



Erasmus+

# ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΚΠΑΙΔΕΥΣΗ & ΚΑΤΑΡΤΙΣΗ

Κατάλογος Εγκεκριμένων Σχεδίων Βασικής Δράσης 1



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*Η υποστήριξη της Ευρωπαϊκής Επιτροπής για την παραγωγή της παρούσας έκδοσης δεν συνιστά αποδοχή του περιεχομένου, το οποίο αντνακλά τις απόψεις μόνον των δημιουργών και η Ευρωπαϊκή Επιτροπή δεν φέρει ουδεμία ευθύνη για οποιαδήποτε χρήση των πληροφοριών που εμπεριέχονται σε αυτή.*

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## A

## Το Πρόγραμμα Erasmus+

### 1. ΕΙΣΑΓΩΓΗ

Το Erasmus+ είναι το πρόγραμμα της Ευρωπαϊκής Επιτροπής για την εκπαίδευση, την κατάρτιση, τη νεολαία και τον αθλητισμό, **που στοχεύει στην ενίσχυση των δεξιοτήτων και της απασχολησιμότητας, καθώς και στον εκσυγχρονισμό των συστημάτων εκπαίδευσης, κατάρτισης και νεολαίας, σε όλους τους τομείς της Διά Βίου Μάθησης** (Ανώτατη Εκπαίδευση, Επαγγελματική Εκπαίδευση και Κατάρτιση, Εκπαίδευση Ενηλίκων, Σχολική Εκπαίδευση, δραστηριότητες Νεολαίας κ.λπ.).

Το πρόγραμμα Erasmus+ **έχει σχεδιαστεί με σκοπό** να στηρίξει τις προσπάθειες των χωρών του προγράμματος για την αξιοποίηση των δυνατοτήτων του ανθρώπινου ταλέντου και του κοινωνικού κεφαλαίου της Ευρώπης, εδραιώνοντας παράλληλα την αρχή της Διά Βίου Μάθησης μέσω της ενοποίησης της παρεχόμενης στήριξης προς την τυπική, τη μη τυπική και την άτυπη μάθηση σε ολόκληρο το φάσμα της εκπαίδευσης, της κατάρτισης και της ενασχόλησης με τη νεολαία. Το πρόγραμμα ενισχύει επίσης τις δυνατότητες συνεργασίας και κινητικότητας με τις χώρες εταίρους, ιδίως στους τομείς της ανώτατης εκπαίδευσης και της νεολαίας.

Το **Ίδρυμα Κρατικών Υποτροφιών είναι η Εθνική Μονάδα Συντονισμού** του προγράμματος Erasmus+ για τους τομείς της Εκπαίδευσης και Κατάρτισης.

**Ποιος είναι ο γενικός στόχος του προγράμματος Erasmus+;**

**Το πρόγραμμα Erasmus+ συμβάλλει στην επίτευξη:**

- των στόχων της στρατηγικής «Ευρώπη 2020», συμπεριλαμβανομένου του πρωταρχικού στόχου της που αφορά στην εκπαίδευση·
- των στόχων του στρατηγικού πλαισίου για την ευρωπαϊκή συνεργασία στον τομέα της εκπαίδευσης και της κατάρτισης («ΕΚ 2020»), συμπεριλαμβανομένων των αντίστοιχων σημείων αναφοράς·
- της βιώσιμης ανάπτυξης των χωρών εταίρων στον τομέα της ανώτατης εκπαίδευσης·
- των συνολικών στόχων του ανανεωμένου πλαισίου ευρωπαϊκής συνεργασίας στον τομέα της νεολαίας·
- του στόχου της ανάπτυξης ευρωπαϊκής διάστασης στον αθλητισμό, και ιδίως στον μαζικό αθλητισμό, σύμφωνα με το πρόγραμμα εργασίας της ΕΕ για τον αθλητισμό· και
- της προαγωγής των ευρωπαϊκών αξιών σύμφωνα με το άρθρο 2 της Συνθήκης για την Ευρωπαϊκή Ένωση.

*Το πρόγραμμα Erasmus+ δομείται σε 3 Βασικές Δράσεις (Key Actions) για την εκπαίδευση, την κατάρτιση και τη νεολαία, οι οποίες περιγράφονται ακολούθως.*



## 2. ΟΙ ΔΡΑΣΕΙΣ ΤΟΥ ΠΡΟΓΡΑΜΜΑΤΟΣ ERASMUS+

### Βασική Δράση 1 (KA1): Κινητικότητα των ατόμων

Η συγκεκριμένη Βασική Δράση παρέχει στήριξη για τα ακόλουθα:

- Κινητικότητα προσωπικού όλων των τομέων (Ακαδημαϊκό και Διοικητικό προσωπικό Ιδρυμάτων Ανώτατης Εκπαίδευσης, εκπαιδευτικοί, εκπαιδευτές, άτομα που δραστηριοποιούνται στον τομέα της νεολαίας, της εκπαίδευσης και της κατάρτισης).
- Κινητικότητα φοιτητών Ιδρυμάτων Ανώτατης Εκπαίδευσης και μαθητευόμενων/ εκπαιδευόμενων Επαγγελματικής Εκπαίδευσης και Κατάρτισης.
- Κοινά Μεταπτυχιακά Προγράμματα Σπουδών Erasmus Mundus.
- Εθελοντισμός και ανταλλαγές στον τομέα της Νεολαίας.

*Αν και η κινητικότητα στο πλαίσιο της Δράσης αυτής μπορεί να πραγματοποιείται σε ατομικό επίπεδο, φυσικά πρόσωπα δεν μπορούν να υποβάλλουν αίτηση για χρηματοδότηση. Όλες οι αιτήσεις πρέπει να υποβάλλονται από νομικές οντότητες που διαθέτουν νομική προσωπικότητα (ιδρύματα / οργανισμοί / φορείς του δημοσίου ή ιδιωτικού τομέα).*

### Βασική Δράση 2 (KA2): Συνεργασία για καινοτομία και ανταλλαγή καλών πρακτικών

Η συγκεκριμένη Βασική Δράση παρέχει στήριξη για τα ακόλουθα:

- Διακρατικές Στρατηγικές συμπράξεις μεταξύ οργανισμών Εκπαίδευσης, Κατάρτισης και Νεολαίας και άλλων σχετικών οργανισμών.
- Μεγάλης κλίμακας συνεργασίες μεταξύ Ιδρυμάτων Εκπαίδευσης ή Κατάρτισης και Επιχειρήσεων: Συμμαχίες Γνώσης - Ευρωπαϊκά Πανεπιστήμια, Τομεακές Συμμαχίες Δεξιοτήτων.
- Σχέδια Ανάπτυξης Ικανοτήτων για τη στήριξη της συνεργασίας με Χώρες Εταίρους στους τομείς της ανώτατης εκπαίδευσης και της νεολαίας.
- Ηλεκτρονικές πλατφόρμες: School Education Gateway, eTwinning, EPAL, κ.ά..

*Η Δράση αυτή επιχορηγεί σχέδια συνεργασίας μεταξύ ιδρυμάτων/οργανισμών/φορέων από διάφορες συμμετέχουσες χώρες, τα οποία επιτρέπουν στους συμμετέχοντες να ασχοληθούν με θέματα κοινού ενδιαφέροντος και να ανταλλάξουν καινοτόμες πρακτικές.*

### Βασική Δράση 3 (KA3): Ενίσχυση σε θέματα μεταρρυθμίσεων πολιτικής

Η συγκεκριμένη Βασική Δράση παρέχει στήριξη για τα ακόλουθα:

- Προώθηση των Ευρωπαϊκών πολιτικών/στρατηγικών - υποστήριξη της «Ανοικτής Μεθόδου Συντονισμού».
- Υποστήριξη πρωτοβουλιών για την ενίσχυση της καινοτομίας και των προοδευτικών μεταρρυθμίσεων.
- Υποστήριξη των Ευρωπαϊκών εργαλείων αναγνώρισης.

- Διάδοση και αξιοποίηση αποτελεσμάτων επιχορηγούμενων δραστηριοτήτων.
- Υποστήριξη του διαλόγου για θέματα πολιτικής με ενδιαφερόμενα μέρη, με χώρες Εταίρους και Διεθνείς οργανισμούς.

*Σημειώνεται ότι υπό τη συγκεκριμένη Δράση καλύπτονται αρκετές άλλες Δράσεις που υποστηρίζουν μεταρρυθμίσεις πολιτικές στους τομείς της εκπαίδευσης, κατάρτισης και νεολαίας, οι οποίες είτε υλοποιούνται από την Ευρωπαϊκή Επιτροπή, είτε τυγχάνουν διαχείρισης από τον Εκτελεστικό Οργανισμό Εκπαίδευσης, Οπτικοακουστικών Θεμάτων και Πολιτισμού (ΕΑΕΑ) της ΕΕ.*

### 3. Η ΔΡΑΣΗ ΤΗΣ ΚΙΝΗΤΙΚΟΤΗΤΑΣ ΣΤΟΝ ΤΟΜΕΑ ΤΗΣ ΕΠΑΓΓΕΛΜΑΤΙΚΗΣ ΕΚΠΑΙΔΕΥΣΗΣ ΚΑΙ ΚΑΤΑΡΤΙΣΗΣ

Η Δράση αναδεικνύει ευκαιρίες και δυνατότητες βελτίωσης των γνώσεων και δεξιοτήτων των ατόμων που εργάζονται ή μαθητεύουν στον τομέα της Επαγγελματικής Εκπαίδευσης και Κατάρτισης. Τα σχέδια κινητικότητας παρέχουν στο προσωπικό και στους μαθητές/σπουδαστές/μαθητευόμενους των δικαιούχων φορέων τη δυνατότητα να πραγματοποιήσουν διακρατική κινητικότητα σε μια άλλη χώρα του Προγράμματος με σκοπό να σπουδάσουν, να καταρτιστούν, να δουλέψουν, να διδάξουν, να εκπαιδεύσουν και να αναπτύξουν επαγγελματικά προσόντα και δεξιότητες.

Μέσω των σχεδίων κινητικότητας, οι ωφελούμενοι μπορούν να αποκτήσουν νέες γνώσεις, δεξιότητες και ικανότητες με στόχο την προσωπική τους ανάπτυξη. Μπορούν ακόμα να βελτιώσουν τις γλωσσικές τους δεξιότητες, να έρθουν σε επαφή με μια νέα κουλτούρα και πολιτισμό και να αναπτύξουν το αίσθημα της ευρωπαϊκής ταυτότητας. Ενισχύεται, επίσης, η συνέργεια και διασύνδεση των δομών της τυπικής και άτυπης εκπαίδευσης, επαγγελματικής κατάρτισης, απασχόλησης και επιχειρηματικότητας και προωθείται η αναγνώριση και πιστοποίηση των δεξιοτήτων που αποκτώνται σε περιόδους κατάρτισης στο εξωτερικό.

Οι αιτήσεις υποβάλλονται μόνο από φορείς με νομική προσωπικότητα και αποκλειστικά σε ηλεκτρονική μορφή. Ο αιτών οργανισμός μπορεί να είναι οποιοσδήποτε δημόσιος ή ιδιωτικός οργανισμός, ο οποίος επιχειρησιακά ή/και θεσμικά δραστηριοποιείται αποδεδειγμένα στον χώρο της επαγγελματικής εκπαίδευσης και κατάρτισης και αγοράς εργασίας.

#### **A. Κινητικότητα Εκπαιδευομένων:**

Η δραστηριότητα απευθύνεται σε μαθητευόμενους, μαθητές και σπουδαστές σχολίων επαγγελματικής εκπαίδευσης και κατάρτισης. Οι εκπαιδευόμενοι αυτοί τοποθετούνται σε θέσεις εργασίας ή/και κατάρτισης σε άλλη χώρα.

Κάθε δραστηριότητα κινητικότητας καθορίζεται βάσει ενός πλαισίου ποιότητας, το οποίο έχει συμφωνηθεί εκ των προτέρων, μεταξύ των φορέων αποστολής και υποδοχής, ώστε να εξασφαλιζέται υψηλό επίπεδο ποιότητας για τη δραστηριότητα.



## ErasmusPro-Μακροχρόνια κινητικότητα εκπαιδευόμενων επαγγελματικής εκπαίδευσης και κατάρτισης

«ErasmusPro» ονομάζεται η νέα πρωτοβουλία της Ευρωπαϊκής Επιτροπής που αποσκοπεί στην ενίσχυση της μακροχρόνιας κινητικότητας (long-term mobility) στο εξωτερικό για εκπαιδευόμενους της ΕΕΚ, συμπεριλαμβανομένων των μαθητευόμενων και των πρόσφατα αποφοίτων. Βασικός σκοπός είναι η ενδυνάμωση της ποιότητας, της ελκυστικότητας και της απασχολησιμότητας των εκπαιδευόμενων της ΕΕΚ μέσω μακροχρόνιων τοποθετήσεων σε θέση εργασίας σε φορείς υποδοχής στο εξωτερικό.

Η κινητικότητα των εκπαιδευόμενων στην ΕΕΚ χωρίζεται σε δυο κατηγορίες με βάση τη διάρκεια παραμονής στο εξωτερικό:

1. **Κινητικότητα εκπαιδευόμενων μικρής διάρκειας (short-term mobility) για κατάρτιση σε φορείς της ΕΕΚ ή/και σε εταιρείες του εξωτερικού με διάρκεια κατάρτισης από 2 εβδομάδες έως 3 μήνες.**
2. **Κινητικότητα εκπαιδευόμενων μεγάλης διάρκειας (long-term mobility) για κατάρτιση σε φορείς της ΕΕΚ ή/και σε εταιρείες του εξωτερικού με διάρκεια κατάρτισης από 3 έως 12 μήνες.**

Και οι δυο ανωτέρω δραστηριότητες απευθύνονται σε εκπαιδευόμενους της ΕΕΚ (συμπεριλαμβανομένων των μαθητευόμενων) σε οργανισμούς και φορείς της ΕΕΚ. Προκειμένου να ενισχυθεί η απασχολησιμότητα των εκπαιδευόμενων της ΕΕΚ και να διευκολυνθεί η μετάβασή τους στην αγορά εργασίας, η δράση απευθύνεται επίσης σε πρόσφατα αποφοίτους<sup>1</sup>.

Οι εν λόγω δραστηριότητες μπορούν να λάβουν τη μορφή πρακτικής άσκησης με εκπαιδευόμενους που φιλοξενούνται σε μια εταιρεία ή σε κάποιον άλλο σχετικό οργανισμό ή φορέα ΕΕΚ (σχολείο, ινστιτούτο ή άλλο πάροχο ΕΕΚ), συνδυάζοντας μάθηση που στηρίζεται τόσο στην εκπαίδευση στο σχολείο, όσο και μάθηση στο χώρο εργασίας μέσω τοποθετήσεων σε εταιρείες/επιχειρήσεις.

## Advance Planning Visits (APV) – Προπαρασκευαστικές Επισκέψεις στο πλαίσιο των δραστηριοτήτων ErasmusPro

Για σχέδια που περιλαμβάνουν δραστηριότητες ErasmusPro, ο αιτών φορέας μπορεί να αιτηθεί προπαρασκευαστικής επίσκεψης που μπορεί να πραγματοποιηθεί από μέλος του προσωπικού του. Βασικός σκοπός της είναι η διευκόλυνση της συνεργασίας μεταξύ των εμπλεκόμενων οργανισμών έτσι ώστε να προετοιμαστούν καλύτερα οι δραστηριότητες κινητικότητας με προδιαγραφές ποιότητας. Επισημαίνεται ότι θα πρέπει στο πλαίσιο δραστηριοτήτων APV να τηρούνται τα ακόλουθα κριτήρια επιλεξιμότητας:

1. **Η μέγιστη διάρκεια για APV είναι 3 εργάσιμες ημέρες, χωρίς να συνυπολογίζεται ο χρόνος ταξιδιού**
2. **Κάθε APV περιορίζεται σε έναν (1) συμμετέχοντα**
3. **Μπορεί να πραγματοποιηθεί μόνο μια APV ανά φορέα υποδοχής**

1. Πρόσφατα απόφοιτοι από σχολείο επαγγελματικής εκπαίδευσης, ΙΕΚ, σχολή μαθητείας θεωρούνται όσοι δεν φέρουν άλλη ιδιότητα και ειδικότερα δεν είναι φοιτητές σε ΑΕΙ ή εργαζόμενοι. Βασική προϋπόθεση για να θεωρηθεί κάποιος «πρόσφατος απόφοιτος» είναι να μην έχει παρέλθει χρονικό διάστημα μεγαλύτερο των 12 μηνών από την αποφοίτησή του.

<b>Διάρκεια κατάρτισης</b> -Κινητικότητα εκπαιδευομένων μικρής διάρκειας (short-term) -Κινητικότητα εκπαιδευομένων μεγάλης διάρκειας (long-term)	2 εβδομάδες – 3 μήνες  3 μήνες – 12 μήνες
<b>Ποιος συμμετέχει στο πρόγραμμα;</b>	Μαθητευόμενοι και μαθητές επαγγελματικών σχολείων, σπουδαστές σε αρχική επαγγελματική εκπαίδευση και κατάρτιση
<b>Στόχος</b>	Η αύξηση των ευκαιριών κατάρτισης στο εξωτερικό των εκπαιδευομένων της ΕΕΚ και παροχή δεξιοτήτων που απαιτούνται για την ομαλή μετάβαση από την εκπαίδευση στην αγορά εργασίας
<b>Δαπάνες χρηματοδότησης-κινητικότητα εκπαιδευομένων</b>	<ul style="list-style-type: none"> <li>▪ Επιχορήγηση για το ταξίδι</li> <li>▪ Επιχορήγηση για την κάλυψη οργανωτικών δαπανών</li> <li>▪ Επιχορήγηση για την κάλυψη ατομικών εξόδων</li> <li>▪ Γλωσσική υποστήριξη</li> <li>▪ Κατ' εξαίρεση δαπάνες</li> <li>▪ Υποστήριξη για άτομα ΑΜΕΑ</li> </ul>

## B. Κινητικότητα Προσωπικού

### ▪ Ανάθεση καθηκόντων διδασκαλίας/ κατάρτισης

Η συγκεκριμένη δραστηριότητα επιτρέπει στο προσωπικό σχολών ΕΕΚ να διδάξει σε μια συνεργαζόμενη σχολή ΕΕΚ στο εξωτερικό. Επίσης, επιτρέπει σε επιχειρήσεις να παράσχουν στο προσωπικό τους κατάρτιση σε ένα φορέα ΕΕΚ στο εξωτερικό.

### ▪ Κατάρτιση προσωπικού

Η δραστηριότητα αυτή υποστηρίζει την επαγγελματική ανάπτυξη του προσωπικού ΕΕΚ με τη μορφή τοποθέτησης σε θέση εργασίας ή περιόδου επιτόπιας παρακολούθησης εργασίας/ παρατήρησης στο εξωτερικό, σε μια επιχείρηση ή άλλο φορέα.

<b>Διάρκεια κατάρτισης</b>	2 ημέρες – 2 μήνες
<b>Ποιος συμμετέχει στο πρόγραμμα;</b>	Οποιοδήποτε άτομο δουλεύει ενεργά στον χώρο της ΕΕΚ και είναι υπεύθυνο για θέματα ΕΕΚ. Στην περίπτωση παροχής διδασκαλίας κατάρτισης, η δράση είναι ανοικτή σε άτομα από επιχειρήσεις και δημόσιους οργανισμούς.
<b>Στόχος</b>	Η αναβάθμιση και απόκτηση γνώσεων και πρακτικών καθώς ή/και η ανανέωση των παιδαγωγικών δεξιοτήτων των επαγγελματιών του τομέα της ΕΕΚ.
<b>Δαπάνες χρηματοδότησης-κινητικότητα προσωπικού</b>	<ul style="list-style-type: none"> <li>▪ Επιχορήγηση για το ταξίδι</li> <li>▪ Επιχορήγηση για την κάλυψη οργανωτικών δαπανών</li> <li>▪ Επιχορήγηση για την κάλυψη ατομικών εξόδων</li> <li>▪ Κατ' εξαίρεση δαπάνες</li> <li>▪ Υποστήριξη για άτομα ΑΜΕΑ</li> </ul>



## 4. ΧΑΡΤΗΣ ΚΙΝΗΤΙΚΟΤΗΤΑΣ ΓΙΑ ΤΗΝ ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΚΠΑΙΔΕΥΣΗ

Ο **Χάρτης** συνιστά εγγύηση της ποιότητας των σχεδίων κινητικότητας σε όρους διαχείρισης, οργάνωσης και επίτευξης των αναμενόμενων αποτελεσμάτων και αναμένεται να συμβάλει καθοριστικά στην ενίσχυση της εξωστρέφειας και της διεθνοποίησης των φορέων Επαγγελματικής Εκπαίδευσης και Κατάρτισης.

Η **απόκτηση του Χάρτη** από φορείς της Επαγγελματικής Εκπαίδευσης και Κατάρτισης συνιστά πιστοποίηση της επάρκειάς τους στην υλοποίηση υποδειγματικών σχεδίων Κινητικότητας. Η χορήγηση του Χάρτη δεν οδηγεί σε αυτόματη εγγυημένη χρηματοδότηση, καθώς οι εγκεκριμένοι φορείς-κάτοχοι οφείλουν να υποβάλλουν αίτηση με απλοποιημένο τρόπο στο πλαίσιο της **Βασικής Δράσης 1 «Μαθησιακή Κινητικότητα ατόμων - Κινητικότητα Εκπαιδευομένων και Προσωπικού ΕΕΚ»** από το 2016 και ένθεν.

### Ηλεκτρονική Πλατφόρμα για την Εκπαίδευση Ενηλίκων EPALÉ

Η ηλεκτρονική πλατφόρμα EPALÉ αποτελεί την επίσημη πλατφόρμα της Ευρωπαϊκής Επιτροπής για την εκπαίδευση ενηλίκων και αποτελεί εργαλείο για τον τομέα της Επαγγελματικής Εκπαίδευσης και Κατάρτισης. Η EPALÉ είναι μια πολύγλωσση πλατφόρμα ανοικτής συμμετοχής, στην οποία μπορούν να γίνουν μέλη εκπαιδευτικοί, εκπαιδευτές, ερευνητές, πανεπιστημιακοί, υπεύθυνοι χάραξης πολιτικής και όσοι δραστηριοποιούνται στον χώρο της μάθησης ενηλίκων στην Ευρώπη. Στην EPALÉ βρίσκονται διαθέσιμα κείμενα πολιτικής για την εκπαίδευση ενηλίκων και ευκαιρίες χρηματοδότησης, εκδηλώσεις, σεμινάρια, συνέδρια, μαθήματα, ευκαιρίες κατάρτισης του τομέα, ιστολόγια για συζητήσεις και ανταλλαγή απόψεων, καλές πρακτικές, επιστημονικά άρθρα, αποτελέσματα ερευνών, τοποθετήσεις και ειδήσεις που αφορούν στον τομέα της εκπαίδευσης ενηλίκων σε ευρωπαϊκό επίπεδο.

Το περιεχόμενο που παρέχεται μέσω της πλατφόρμας μπορεί να αξιοποιηθεί από εκπαιδευτές ενηλίκων, φορείς διά βίου μάθησης, ιδρύματα ανώτατης εκπαίδευσης, φορείς επαγγελματικής εκπαίδευσης και κατάρτισης, κοινωνικούς εταίρους, επιχειρήσεις και φορείς της κοινωνίας των πολιτών σε ευρωπαϊκό, εθνικό, περιφερειακό και τοπικό επίπεδο.

Η Εθνική Μονάδα Erasmus+/IKY ως Εθνική Υπηρεσία Υποστήριξης της πλατφόρμας EPALÉ από τον Ιανουάριο 2019 μέσω της συγχρηματοδότησης από το πρόγραμμα Erasmus+ σκοπό έχει να συνεισφέρει στην προβολή και ενδυνάμωση του τομέα της Εκπαίδευσης Ενηλίκων αξιοποιώντας την πλατφόρμα ως το διαδικτυακό σημείο αναφοράς της κοινότητας της εκπαίδευσης ενηλίκων στην Ευρώπη.

Η Εθνική Μονάδα Erasmus+/IKY ενθαρρύνει τα Σχέδια που λαμβάνουν χρηματοδότηση από το πρόγραμμα Erasmus+ να αξιοποιούν τις πηγές πληροφόρησης της EPALÉ και να ανταλλάσσουν πληροφορίες σχετικά με τις δραστηριότητες και τα αποτελέσματά τους μέσω δημοσιεύσεων στα ιστολόγια και στις κοινότητες πρακτικής. Τα μέλη της EPALÉ μετά την εγγραφή τους έχουν τη δυνατότητα να ανταλλάξουν απόψεις, να δημοσιεύσουν άρθρα, μελέτες, σεμινάρια, συνέδρια και εργαστήρια που διεξάγονται στην Ελλάδα, καθιστώντας τα γνωστά σε ευρωπαϊκό επίπεδο. Μέσω της λειτουργίας αναζήτησης εταίρων, οι ελληνικοί φορείς αποκτούν ευκαιρίες για νέες συνεργασίες και συμπράξεις, καθώς και για συμμετοχή σε ευρωπαϊκά έργα.

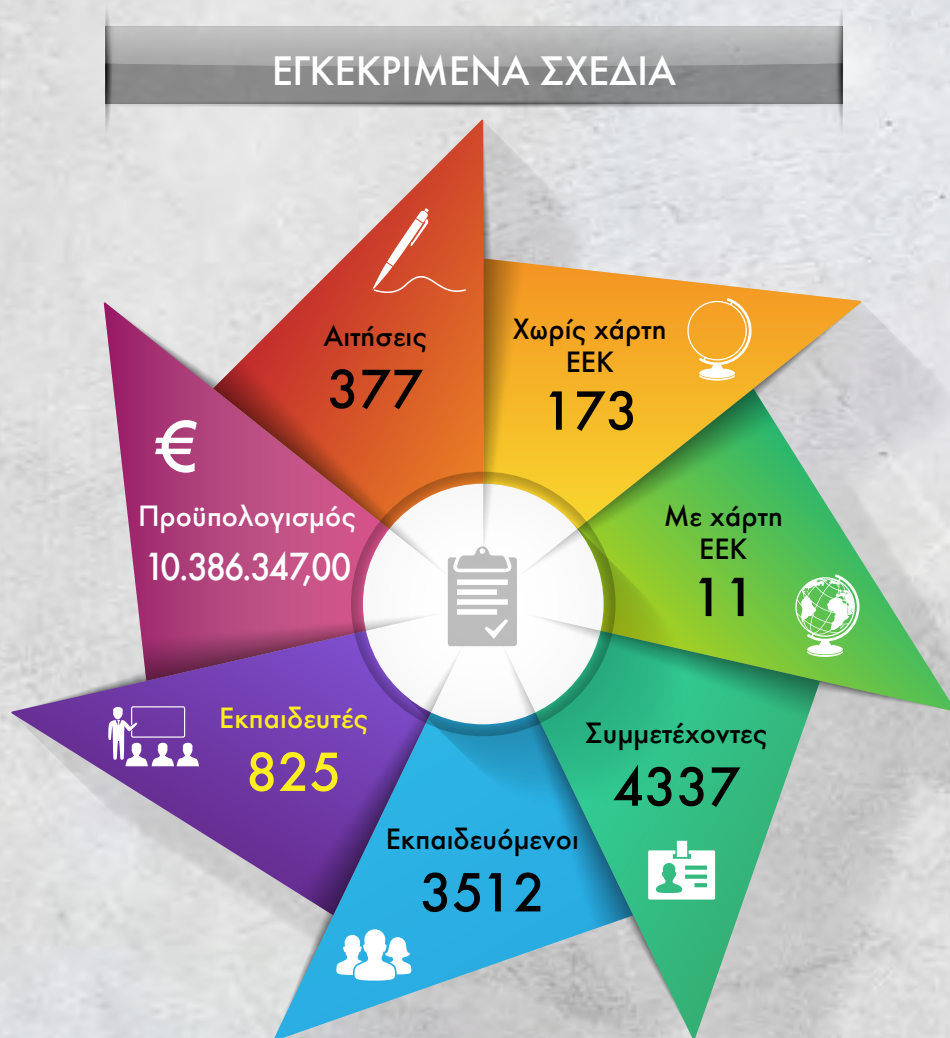
Η πλατφόρμα EPALÉ στην ελληνική γλώσσα είναι διαθέσιμη στον δικτυακό τόπο:

<http://ec.europa.eu/epale/el>

Εθνική Υπηρεσία Υποστήριξης της πλατφόρμας EPALÉ - Εθνική Μονάδα Erasmus+/IKY:

[www.iky.gr/epale](http://www.iky.gr/epale)

## 5. ΣΤΑΤΙΣΤΙΚΑ ΣΤΟΙΧΕΙΑ ΕΓΚΕΚΡΙΜΕΝΩΝ ΣΧΕΔΙΩΝ ΚΙΝΗΤΙΚΟΤΗΤΑΣ ΚΑΙ ΣΤΟΝ ΤΟΜΕΑ ΤΗΣ ΕΠΑΓΓΕΛΜΑΤΙΚΗΣ ΕΚΠΑΙΔΕΥΣΗΣ & ΚΑΤΑΡΤΙΣΗΣ



Μέσος όρος ημερών  
κινήτικότητας - ΕΚΠΑΙΔΕΥΤΕΣ

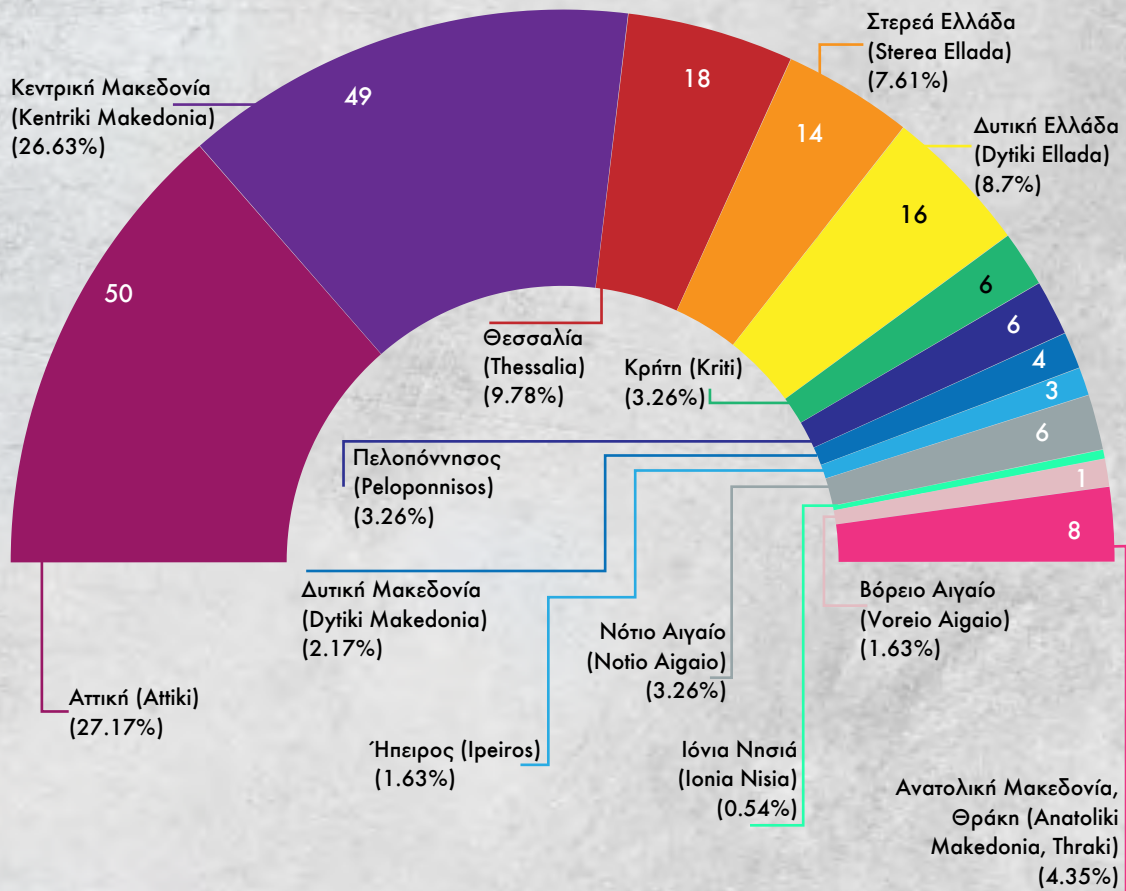


Μέσος όρος ημερών  
κινήτικότητας - ΕΚΠΑΙΔΕΥΟΜΕΝΟΙ

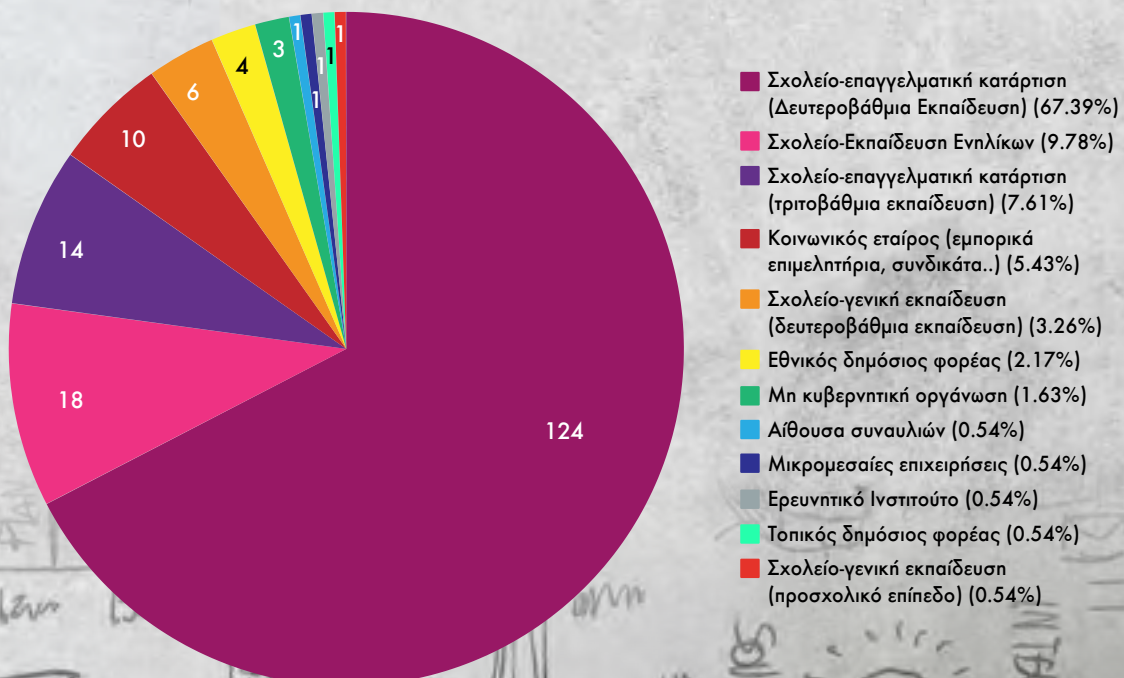




## ΓΕΩΓΡΑΦΙΚΗ ΔΙΑΣΠΟΡΑ



## ΔΙΚΑΙΟΥΧΟΙ ΕΓΚΕΚΡΙΜΕΝΩΝ ΣΧΕΔΙΩΝ







**B**

**Περίληψεις Σχεδίων Κινητικότητας  
Erasmus+ ΚΑ1  
Επαγγελματική Εκπαίδευση & Κατάρτιση**



**Κωδικός** 2019-1-EL01-KA116-061007

**Τίτλος Σχεδίου** Μέθοδοι και τεχνικές μάθησης - Η σύνδεση μεταξύ της εκπαίδευσης STEM και της επαγγελματικής εκπαίδευσης και κατάρτισης (EEK)

**Συντονιστής** ΕΝΩΣΗ ΤΕΧΝΟΛΟΓΩΝ ΕΚΠΑΙΔΕΥΤΙΚΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The objective of the proposal is to contribute to the training of 28 Teachers of VET, through an educational course which aims to support school staff with a new and innovative approach to teach. The participants will attend a seminar on how to integrate digital technologies and other subjects into a STEM-based curriculum.

STEM is a complex and multi-faceted concept encompassing a range of competencies foundational, socio-emotional, advanced cognitive and technical skills. The term STEM (Science, Technology, Engineering and Mathematics) is an acronym used by those relevant to the educational method concerning the fields of Science, Technology, Engineering and Mathematics.

It is critical to recognize that STEM skills are essential for VET as much as for degrees like engineering and science.

The current STEM education agenda is driven by the belief that STEM skills are crucial to innovation and development in our contemporary technological, knowledge-based and it is influencing funding in industry, education and research internationally. STEM education in VET is now an economic must in the country, as more than 30 prospering occupations will require STEM knowledge in the near future. This means that it is now more than ever essential for all governments to invest in this pioneering initiative and for this reason throughout Europe, countries that aim to develop their industry, try to induct STEM in their education systems.

Our interest has been triggered by the fact that the Greek government following European standards for training has enacted a two-hour STEM course for the first class of the VET schools.

The purpose of this project is to investigate how to design and organize Science, Technology, Engineering and Mathematics (STEM) courses for students of Vocational Education and Training (VET).

Through an enriched learning environment, we will analyze the teaching mechanisms as well as the actions that should be implemented with the intention of supporting vocational educational students to acquire the best preparation for the STEM courses.

We will attend several learning strategies that utilize educational technologies in order for the students and the teachers of VET to achieve the optimum adaptation.

The training course will focus on enriching STEM curriculum through innovative activities for students, available learning and teaching resources as well as enriching educator's skills on engaging and motivating their students.

### *Learning outputs*

- Enhance skills to use various innovative blended learning methods and techniques that are hands-on-centred, encourage solving of meaningful real-world tasks and develop transversal competencies.
- Apply Problem and Inquiry based learning as a student-centred teaching method, encourage learning in the context of real-world problems that are likely to be encountered by students.
- Develop students learning autonomy by self-directed hands-on learning approach, elaborate on student's prior knowledge, trigger an effective use of arguments and evidence, use questioning as a tool of learning.
- Generate ready-to-use materials and ideas to support the organizational development and quality improvement in the STEM field skills, support cooperation between institutions and employers.

The program has two flows and it will be implemented between October 2019 - May 2020.

**1st flow:** 14 participants in ITC Educational Center, in Prague, for one week.

### *Objectives of the training*

- Problem solving and decision making in STEM
- Designing your own STEM lessons
- Blended learning methods
- Visualizing innovative learning scenarios for BYOD classrooms
- Gamifying STEM
- STEM activities encouraging critical thinking
- On-line simulations games for STEM
- Creating a collaborative learning environment
- Learning skills through CODING
- Project based learning

**2nd Flow:** 14 participants in INFOL Educational Center, In Roma, for one week.

### *Objectives of the training*

- Planning how you will teach coding to the students
- Finding out the ways to encourage the students to code and create their own robots in the scope of blended learning
- Covering the different types of activities, a teacher can use to modify his/her teaching skills
- Understanding the importance of group dynamic and being creative and innovative
- Improving your own teaching methods in relation to technology
- Managing and integrating ICT in your lessons
- Developing your ICT skills and make use of various Web 2.0 Technology tools and programmes
- Adapting the new and innovative tools and methods to your teaching & learning situations & contexts
- Focusing on effective teaching strategies that encourage the active involvement of all students in productive educational environment.



**Κωδικός** 2019-1-EL01-KA116-061230

**Τίτλος Σχεδίου** Τεχνικές Σχεδιασμού Βιτρίνας

**Συντονιστής** ΕΠΙΜΕΛΗΤΗΡΙΟ ΕΥΒΟΙΑΣ

**Διάρκεια Σχεδίου** 24 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

This project, titled "Technical design of shop window screens", was designed to meet the professional need of merchants for the proper promotion and promotion of their products. It is a communication method, a mechanism for attracting customers to encourage them to buy and thus increase sales. The aim of the project is to provide the participants with a high level of professionalism in the field of Visual Merchandising, the necessary skills to create a showcase, the rules, the mechanisms as well as the means of communication and also the consumer's approach to show the right point contact between customer and commercial business.

The trainees will have the opportunity to practice in fashion design companies and showcase design companies, more specifically they will be trained in the following:

- The importance of Visual Merchandising as a traction tool and visual communication tool for customers with the aim of increasing sales
- Business Typologies / Analysis, Terminology & Study of Different Store Scale
- Analyzing and understanding the company profile
- Brand construction and management - their importance in Store Design / Branding concept analysis
- Analyze and Create Customer Profile / How Target Group is defined
- In Retail Store Design
- Store Design VS Architecture
- In "Aesthetics & Ergonomics": their role in VM
- In Window Design [CREATING & DEVELOPING IDEA - CONCEPT]
- Market Research / Trend Analysis / Fashion Bloggers & Cool Hunters: How they Help and Impact in Understanding Trends
- The Genesis of Concept Idea - Creating a Scenario
- In window design [CONSTRUCTION]
- Managing & installing windows [ergonomics & budget]
- Color combinations - psychology / combinations / techniques
- In the use of materials & textures
- The flag of the lighting
- The use of graphics and packaging in the retail space
- The importance of space / floor planning - organization / distribution / layout
- In the Classification of Goods / Planograms Planning

- Showcase timetable [preparation and planning for special topics] - each time and how to change a showcase, different items and types of decoration of thematic showcase (Christmas, Discount etc.)

The trainees will go beyond theoretical lessons and visits to companies in Milan and Barcelona where they will be divided into groups and will carry out their own project thematic showcases such as:

**Study Case 1:** "Art & Retail Design - the store as a gallery" - designing the showcase and the interior as an exhibition space

**Study case 2:** "Reuse-Reduce-Recycle - the eco-concept store design" - innovation and sustainability: "Think Green!"

**Study case 3:** "Low Budget Store Design" - Designing in times of crisis

**Study Case 4:** "Virtual Visual Merchandising" - Virtual Reality of VM

### *The main objectives of the program are:*

- Promotional delivery rules analysis
- Analysis of the object through the market trend
- Produce trends in a particular product showcase
- Product viewing techniques
- Create a model with suggestions on a specific product
- Chromatology - Lighting - Principles of synthesis

The aim is to create novelty showcases focused on the positive aspects of the business, which will result in winning both the client and the passer and leading them inside the store with the ultimate aim of increasing the profit of the business.

### *Students after the end of the program will be able to:*

- Know the correct composition of objects in the showcase
- Properly select the materials to make or place them in the shop window or in the shop
- They create a "showcase project" of different and economic materials
- Know practical tips for setting up products
- "Create" ideas for thematic windows.

The total duration of the project is 12 days and will take place in Italy (Milan) and Spain (Barcelona) with the participation of 40 beneficiaries (20 per flow). Candidates for mobility are owners and executives of commercial enterprises from enterprises operating in the Chamber of Evia and operating in the Prefecture. The selected recipient organizations Comunicazione Europe Net (Italy) and PALLARSJUSSA (Spain) have extensive experience and expertise in adult mobility and education. Scheduled business visits are considered valuable and will make a significant contribution to understanding the training object.



**Κωδικός** 2019-1-EL01-KA116-062146

**Τίτλος Σχεδίου** Ενίσχυση προσωπικών δεξιοτήτων (soft skills) μαθητών και Εκπαίδευση καθηγητών στο διδακτικό μοντέλο Project Based Learning

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΠΡΕΒΕΖΑΣ

**Διάρκεια Σχεδίου** 24 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

By implementing the 5-year internationalization strategy and the mobility number which have been approved for our organization, we design our students and teacher mobility programs in contemporary education articles focusing on developing digital and language skills adapted to their educational needs and the needs of our organization in terms of personnel. The programs that we implement are part of a wider plan to acquire knowledge and skills to match the modern working environment and the needs of this environment particularly in times of economic crisis. The students and staff mobility projects introduce new study objects that are not taught in the curriculum of our specialties and are complementary and supplementary to it providing a more complete education.


So, we design pupils mobility programs with emphasis on digital skills and developing entrepreneurship skills which are related and form the coherent link that connects the different programs of study of all specialties taught at school. Training subjects of the projects we implement in all mobilities have continuity and consistency with central planning and specific targeting.

Nationally, we participate in the Innovation Network for Innovative Entrepreneurship in collaboration with major enterprises, the institution of Apprenticeship with subsidized jobs for our graduates while we collaborate with other school units and educational authorities in our county to create a consortium for the purpose of joint planning and implementation of European mobility projects aiming at maximizing the impact of these projects. In the future we intend to strengthen these partnerships by expanding our networks.

According to our initial design, we have strengthened our network of partnerships with agencies from abroad that belong to the entire range as educational institutions, businesses and NGOs.

Finally, towards the inclusion of the results of the mobility projects we materialize and the maximization of impact, every new school year we recommend the operating in our school of modern specializations with broader appeal such as Warehouse Clerk and Supply Systems of Management and Economics field, we create educational material, we incorporate educational practices in our curriculum, we use online tools such as the European dissemination platform, etwinning, twinspace and the School Education Gateway while we participate in training and informative sessions with local and national institutions of education and labor market.

Our organization has certified knowledge and experience, after its long-term participation in European and other programs, to see the developments and adjust its action accordingly with the orientation of its modernization and the expectation to continue to participate in European developments in educational policies.



The mobility project of the year 2019 entitled “Strengthening students’ soft skills and Teachers’ training in Project Based Learning” was designed to train a total of 45 pupils of our school with 6 accompanying teachers in 3 flows in Lithuania, Germany and Italy as the destination countries as well as to train 15 of our teachers in 1 flow in Spain.

“**Soft skills**” are the most important skills a newcomer must have in the labor market. Many times they are also more important than the “hard skills”. This finding, together with the characteristics of the labor relations in today’s era, gave us the opportunity to design this program. As a real need for our trainees and tomorrow’s workers.

The aim of this program is to provide the participant with the necessary knowledge and skills for the business world and in particular those skills that enable him to develop practices of adaptability, responsiveness, management, teamworking in his work environment. Such horizontal knowledge and skills necessary to enter the labor market as communication, management skills, cooperativity, self-promotion.

The use of new technologies in the educational process and in the organization and administration of the school unit, the adoption of best practices through the host partners, contact with modern educational systems and practices, the emphasis on growth and development of transferable skills and language skills are the pillars of the mobility plan of our staff.

The participating pupils of our school will in most cases be minors during the implementation of the project and in this case the national legislation foresees 2 accompanying teachers for each of their flow up to 20 participants.



**Κωδικός** 2019-1-EL01-KA116-062182

**Τίτλος Σχεδίου** Χρήση Νέων Ψηφιακών Εργαλείων στην Εκπαίδευση και την Επιχειρηματικότητα

**Συντονιστής** 8<sup>ο</sup> ΕΡΓΑΣΤΗΡΙΑΚΟ ΚΕΝΤΡΟ ΑΘΗΝΑΣ

**Διάρκεια Σχεδίου** 24 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The evolution of digital technologies is now a fundamental factor in shaping the economic, social, political and cultural environment around the world. So all sectors have been affected and have introduced the new digital tools in order to be competitive but also in line with the requirements of new developments. Based on this new data both in the business environment and in the education environment, we designed the program entitled "USING NEW DIGITAL TOOLS IN EDUCATION AND BUSINESS".

Through the program, the students of the Consortium of IT and Economics and Administration will have the opportunity to develop new digital tools such as e-marketing through innovative models, with which the digital age transforms the functioning of organizations and enterprises, and especially tourism units.

The program includes, besides the laboratory exercises that will take place at the premises of the Recipient Organizations - Associação Intercultural Amigos da Mobilidade in Portugal, SYMAKO MOB Cyprus and Pallars Jussa in Spain - and placements in hotel units or groups that design and manage SITE and electronic payments (payments, reservations, etc.) as well as to web sites. Spain, Cyprus and Portugal have been selected as recipient countries because they have a remarkable growth in the tourism industry and our receptors have also drawn up a coherent and valuable training program.

### *Trainees will be able to*

1. Understand what mobile marketing is
2. Integrate mobile strategy into marketing plan, Mobile Service Providers and Strategy
3. Know mobile strategy, customer analysis and strategy
4. Follow regulations and good practices: Create mobile marketing policy, Compliance with Regulations (legislation, trade provisions, etc.
5. Directly carry out Mobile Marketing campaigns
6. Prepare a text message campaign - Run a simple text message campaign - Send multimedia messages - Mobile email marketing
7. Develop Mobile Media and Advertising: Mobile Site Design and Development- Mobile Application Development and Content- Display Advertising on Mobile Devices- Run Voice Campaign

As far as the school staff - TEACHERS - are concerned, they have been faced with new developments and the introduction of many new changes to the way in which traditional teaching methods are re-

placed by new digital tools. The lesson is done through moving imaging and presentation, with which tradition and work in the classroom becomes more vivid. With impressive interactive features and applications for skills development and experimentation, they raise the attention of students and facilitate the assimilation and consolidation of matter. So teachers will go to London to get to know each other:

1. Digital class - An Internet class with the support of new software systems.
2. Exploratory and collaborative learning through new technologies.
3. The exploitation of web environments for the creation of a digital class with emphasis on student performance and participation in the teaching and learning process.
4. Educational principles for the exploitation of the digital class in innovative actions of differentiated learning and teamwork.

The selected institution is the BRANDTCH where it conducts seminars on new digital applications and introduces into the mobility 8 teachers of the Consortium's school units for 15 days.



**Κωδικός** 2019-1-EL01-KA116-062208

**Τίτλος Σχεδίου** Κατάρτιση σε Ψηφιακές Εφαρμογές στην Ναυτιλία και την Εκπαίδευση

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΛΑΥΡΙΟΥ

**Διάρκεια Σχεδίου** 24 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

It is undeniable that European shipping contributes substantially to sustainable economic growth by increasing the national product of European countries, strengthens the strategic position of the European Union and its negotiating power with international organizations. Consequently, now more than ever, security, competitiveness and the shielding of maritime transport are immediate priorities for the enlarged European Union.

In this context, modern needs require continuous communication of the shipping companies' networks with their fleet. The continued development of telecommunications and the high level of competitiveness in the field allow today to connect ships to data networks in every part of the world, combining satellite and terrestrial facilities. In this way, significant operational applications can be implemented, facilitating critical business shipping operations and processes such as electronic chartering and commissioning, ship maintenance and technical monitoring, crew management, ERP shipping, and quality and safety management systems.

The main objective of the proposal is to draw up and present on the existing capabilities and technologies in ship networking for students to acquire knowledge, experience and resources to prepare them and help them address issues related to access to and management of networks on merchant navy vessels.


The educational needs of the students of the specialties (informatics, shipping professions and economy-management) that arise from the modern trends of the field and are directly related to the needs of the labor market are the following:

- Basic knowledge of networks and telecommunications
- Introduction to data security issues
- Analysis of communication technologies and protocols
- Install and manage networks
- Fault management.

Meeting these needs will lead to the provision of students with knowledge and experience that will make them ready to enter the demanding market of merchant shipping. The expected results of the program are as follows:

- Learning how to operate and program network device
- Learning the theory of data security
- Understanding wireless signal encoding and data bandwidth technologies
- Installation, management and maintenance of networks



- 
- The ability to create virtual private networks
  - Use and continuous upgrading of cryptographic and data security technologies
  - Ability to meet the requirements they will encounter when entering the labor market.

Teachers will receive training on the introduction of new technologies in learning. The aim of the program is the introduction to e-learning systems and learning theories with the use of Modern Information and Communication Technologies (ICT) in Education.

Through the integrated approach to ICT teaching, any teacher or tutor of a subject can develop his / her own online class at each level of study and vocational training. After monitoring the project, the trainees will have:

- learn basic theories of learning
- familiar with modern ICT issues
- familiarize with the Moodle tool for web-based distance learning
- familiarize with the edmodo tool to develop educational communities
- familiarize with the ODS project to produce and manage educational material
- familiarize with Ejs to produce and manage educational material
- Be familiar with freeware
- Compile digital teaching scenarios.

The specific objectives of the program are for students to be trained in modern subjects that will meet in the labor market, namely distinguished:

- Strengthening the participants' abilities to successfully meet the demands made by the evolution of technology in their profession
- Ensuring the ability to meet a wider range of cognitive requirements
- Promoting new techniques and methods to increase their competitiveness in the labor market.

**Κωδικός** 2019-1-EL01-KA116-062300

**Τίτλος Σχεδίου** Η Τεχνητή Νοημοσύνη Αλλάζει το Εργασιακό Τοπίο

**Συντονιστής** 1<sup>ο</sup> ΕΣΠΕΡΙΝΟ ΕΠΑΛ ΤΡΙΚΑΛΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Artificial Intelligence (AI), one of the most ambitious plans human beings have been involved with, is 62 years old already and is part of a major technological revolution with thousands of applications in everyday reality. It is a world characterized by the attempt to create intelligent machines as extensions of the human brain, which is now overloaded by the complexity of multiple information and having reached the limits of its potential often fails to do the necessary processes to find effective solutions and make the right decisions. Very often, therefore, we resort to allowing the management of complex problems in intelligent machines. Human-computer interaction, functional programming languages, neural networks, expert systems, genetic algorithms, intelligent agents, case studies, behavioral AI and other sophisticated analysis systems so complex for the average person, find application in the research programs of large companies which try to develop AI at a rapid pace. In every industry, retail, manufacturing, health and other sectors, work is being automated on a daily basis. Many sciences such as computer science, psychology, philosophy, neurology, linguistics, and engineering have come to terms with the synthesis of intelligent behavior in the construction of special machines or computers.

The so-called Fourth Industrial Revolution requires continuous innovation in all areas. By 2022, the skills required to perform most tasks will have changed significantly. There is uncertainty about the kind of new “smart” jobs, how permanent they will be and how much lifelong training an employee will need to meet the ever-changing demands of his work. It is estimated that by 2022, 54% of all workers will need substantial retraining (lasting at least six months) to acquire additional technological and other skills. In 2030, with the arrival of robots in the labor market, millions of jobs are expected to be lost - about one-fifth of the world’s current workforce. According to a recent study by Dell Technologies and the Institute for the Future it is estimated that 85% of the jobs we are going to practice in 2030 do not exist yet. It is therefore a huge challenge that makes imperative the connection of education with the labor market and the acquisition and development of digital skills as well as 21st century general skills such as entrepreneurial ethics, teamwork, flexibility, adaptability, communication skills, something which has been working in Europe since 2010 with the development of the ‘New Skills for New Jobs’ initiative.

Therefore, the need for a modern vocational school such as the 1st Evening Vocational High School of Trikala, which teaches specialized courses of information technology, mechanical engineering, electrical engineering, electronics, automation, economics - management and food technology, is constantly being studied, for continuously updating the knowledge of the evolutionary course of humanity and the modern working environment starting from small and everyday applications to the most developed ones that can increase human efficiency, adaptability and professional capacity to the maximum. We propose a 14-day training course in Artificial Intelligence for 16 VET trainees abroad in cooperation with a hosting institution based in Rome, which is considered sufficient for the quality of the implementation

of this mobility. In addition, we propose a 5-day training course for 4 teachers aiming at updating them on innovative teaching processes and familiarizing them with Artificial Intelligence applications to support their professional and individual development in an attempt to meet the needs related to improving the level of education provided and increasing the efficiency of the school system. We also consider it necessary to have two accompanying teachers who will have the supervision and responsibility of the program and will be in direct contact with the sending body to solve potential problems. In the preparatory phase of the trainees, working groups and educational actions will be organized to familiarize the learners with the subject matter and its basic concepts and structures. At the same time, actions will be planned to disseminate the training and its results at local and regional level.





**Κωδικός** 2019-1-EL01-KA116-062304

**Τίτλος Σχεδίου** Competences Development Perspective

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΛΥΚΕΙΟ ΚΑΤΩ ΑΧΑΪΑΣ

**Διάρκεια Σχεδίου** 18 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

At the Vocational Senior high school of Kato Achaia, we preserve the basic principles of the internationalization strategy as these were originally designed, however we recommend some amendments arising from the dynamic changes occurring in the field of vocational education.

### *Thus*


1. As far as partners selection is concerned, we maintain and reinforce cooperation with partners which are distinguished for the high level of support they offer (BMO) and we also set the foundations for collaboration with two new partners from Cyprus (Technical Agricultural School Avgorou-SHIPCON).
2. Regarding the Targeted Training Actions, we select actions emphasizing on the practical training of the students in companies and organizations relevant to their field of study.
3. As to the qualification acknowledgement we continue to integrate the European tools for acknowledging and establishing qualifications such as the ECVET system, the Europass Mobility and the Europass c.v. so that both the students and the teachers are offered the opportunity to familiarize themselves with their use of establishing qualifications from informal education.
4. Concerning staff training, we have designed training in multi-disciplinary education STEM which offers our staff the opportunity to view and comprehend the world holistically while at the same time it connects to a broader spectrum of other fields exploring various subjects such as energy self-sufficiency, green technology and global production of food.

### *In this way the teachers will be able to*

- comprehend and explain the nature of technology
- develop skills so as to implement technology properly
- reinforce co-operation and exchange of ideas with the enhancement of good practices among schools throughout Greece and Europe.

The project, which involves the participation of an administrative member of the school as well as three teachers from technical specialties, will be implemented by the host organization SHIPCON, based in Limassol, Cyprus.

5. We participate in the Erasmus Pro Action with the 3-month placement of two mechanical engineering graduates in the company Johnson Controls where they will work on the application of complete systems of external thermal insulation. This practical training will be carried out in collaboration with the M&M intermediate body which is based in Barcelona, Spain. Moreover,



two electrical engineering graduates will be placed in the Eracleous Electrical Installations Ltd Company for a period of three months, working on electrical installations in buildings.

The short-term training activities will have three-week duration and are assigned per specialty as follows:

### **Computer Science (3 students)**

The computer Science students will work at the Verdecenter Company, in Braga, Portugal where the host body will be BMO and the job object will be computer software technical support. More specifically the students will specialize in

- software systems installation and operation control
- application installation, quality control, upgrading and support
- direct intervention and damage repair

### **Agriculture (6 students)**

The students of the agriculture specialty will work in vertical integration companies producing, standardizing, packaging and transporting agricultural goods. The Technical Agricultural school of Avgorou has organized the placements in ROHA Premium Potatoes και Orthodoxos & Misos Ltd companies. The students will expand their knowledge of

- managing production (plant nutrition, plant protection general cultivating tasks)
- Managing products based on the highest standards for the market requirements.

### **Mechanical engineering (2 students)**

The mechanical engineering students will be placed at a «passive house” engineering and manufacturing company, Sifinox with BMO as an intermediate body and they will work on

- Insulation, airtightness, thermal bridges, shells
- Installing frames and panels in passive buildings
- Mechanical study of heating-cooling a passive building
- PHPP Software

### **Electrical engineering (5 students)**

The electrical engineering students will work at the company Proworld and the company BMO will act as an intermediate body. They will be mainly involved in electrical installation in buildings. More specifically they will work on:

- the study and construction of higher and lower voltages electrical wiring
- the study of installing a structured cabling system
- the study and installation of security alarm and fire detection systems.

The program will be enriched with technical visits to companies and organizations as well as cultural visits (25% of the program).

According to the law, since the participants are minors, they are

Accompanied by teachers of the sending body (2 accompanying teachers in Portugal and 1 in Cyprus)

Moreover, 2 accompanying teachers are required for the Erasmus Pro participants’ placement for 7 days each (1 in Limassol and 1 in Barcelona).

**Κωδικός** 2019-1-EL01-KA116-062347

**Τίτλος Σχεδίου** Εμπειρίες Μάθησης και Εργασίας στην Ευρώπη

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΝΕΑΣ ΙΩΝΙΑΣ ΜΑΓΝΗΣΙΑΣ

**Διάρκεια Σχεδίου** 24 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

1st EPAL NEAS IONIAS MAGNISIAS remains firmly committed to its main objective, which is to provide its students with the skills and abilities needed to improve their career prospects as well as their personal development and growth. The practical training of our pupils abroad is realized in this context.

The first part of our project is implemented with two flows of students' internship.

**A1.1:** In the first flow, 15 students of the school will be trained according to their speciality, for two weeks in modern enterprises, at the region of Seville in Spain. Our initial plan concerns 5 students of the mechanical engineering sector, 6 students of the health-care and wellness sector, 2 students of the building constructions sector and 2 students of the graphic arts sector.

**A1.2:** In the second flow, 9 students of the school will also be trained for two weeks in the area of Somonino near Gdansk, in Poland, in enterprises of their specialization. In this flow, we plan to participate 6 students of the mechanical engineering sector and 3 students of the health-care and wellness sector.

For the next school year, we are going to keep the number of participating students (24 students in total, as in 2018) and the distribution of the students per flow stable. The group of 15 students for the flow of Spain will remain the same in order for us to have access to a smaller hostel with more flexibility at meal times for students with different working-hours. This type of hostel has been already tested in the corresponding flow (Seville, 2018) and functioned extremely well.


The students of the school are mostly minors and they will be accompanied by two teachers in every flow.

The second part of our plan is implemented with two flows of teachers' training.

**A4.1:** In this flow, 8 school teachers will visit the Dutch school ROC Friese Poort in Sneek, Netherlands, with which there has been a long-standing collaboration in both students' internship and teachers' training projects as well as in school partnerships projects. The main intention of cooperation concerns the information of the participating teachers about the apprenticeship, but also about the wider cooperation between schools and enterprises.

Our school is implementing this year the Apprenticeship (4th year after the Vocational Secondary school) for two specialities: **a)** car technicians and **b)** physiotherapist assistants. Our activity has expanded as we had predicted last year, and we expect further growth. This year's flow in Galicia, Spain, with the same goals has not yet been implemented, but we appreciate that we can learn even more





from the experiences of more countries. Our planning involves the participation of teachers responsible for the apprenticeship and/or potentially involved teachers. The axes of the project will concern:

- general organization (duration, programs, participation conditions, insurance, earnings)
- practical arrangements (supervision, management)
- managing relationships with companies
- certification
- combination of apprenticeship at national level with Erasmus+ / KA1 projects.

In this second flow, 5 teachers of the school, including the director and the assistant director-responsible for the management of the European programs, will visit the Klaipėda Ernestas Galvanauskas Vocational Training Center, which offers vocational training at both secondary and post-secondary level. The initial contact was at the initiative of the Lithuanian school and within a framework of common activities and aspirations, since both schools are holders of the Mobility Charter in Vocational Education. The main purpose of the visit is to exchange experiences about good practices in Vocational Education and also to investigate the possibility of expanding our European partnerships and perhaps to establish a network of collaborating schools which are holders of the Mobility Charter in Vocational Education.

Three of the four host institutions (Euromind Projects SL, ZSP w Somoninie and ROC Friese Poort in Sneek) are old collaborators and reliable partners. We have a common characteristic with the fourth host institution (Klaipėda Ernestas Galvanauskas Vocational Training Center), we are both holders of the Mobility Charter and we have organized a visit of a small group of 5 teachers to explore further possibilities for cooperation. Furthermore, we have agreed a similar visit of a group of Lithuanian teachers to our school for the next school year. The internationalization plan of our school is progressing very satisfactorily with a reliable partner in the European South, as planned, taking advantage of the existence of our older partners and also with new cooperation efforts. We are convinced that by involving as many students and teachers as possible in European Programs, our school will acquire the extrovert character with the international orientation we envision.

**Κωδικός** 2019-1-EL01-KA116-062404

**Τίτλος Σχεδίου**

Ανάπτυξη δεξιοτήτων εκπαιδευτικών & σπουδαστών στην Β/θμια Ε.Ε.Κ. μέσω της εξοικείωσής τους με νέες τεχνολογίες (σε πλαίσιο μαθητείας) και εφαρμογής ελκυστικών μοντέλων μάθησης. Υιοθέτηση σύγχρονων μεθόδων αντιμετώπισης της σχολικής διαρροής

**Συντονιστής**

ΣΙΒΙΤΑΝΙΔΕΙΟΣ ΔΗΜΟΣΙΑ ΣΧΟΛΗ ΤΕΧΝΩΝ ΚΑΙ ΕΠΑΓΓΕΛΜΑΤΩΝ

**Διάρκεια Σχεδίου**

24 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Sivitanidios Public School responding to the needs for improving the content of VET by adopting new teaching and learning methods, supports actions and collaborations aimed at:

- development of basic skills (entrepreneurship, language and digital skills) of staff and trainees,
- creating appropriate educational conditions for the development of creativity and innovation in Vocational Education,
- facilitate the transition of students from school to working life,
- taking measures by providing equal opportunities for education and training to students who have dropped out of their early education or have a low level of specialization.

The Strategy of our Foundation's Internationalization, through the implementation of the proposed mobility activities under the Erasmus+ 2019, meets the following needs of our students and teaching staff:

- development of applications of natural sciences and new technologies, with particular emphasis on the robotics methods and applications in education,
- improving the skills of students and trainees through the adoption of new technologies,
- relevance and connect the supplied learning with the labor market,
- upgrade the teachers' roles in planning targeted approaches to support those most at risk,
- ensure that executives in VET education have the competences to work with new methods of teaching and learning in order to meet the needs of the student cohort.

The proposed mobility activities meet the five mentioned needs of our Foundation and are divided into three groups:

### **A. VET learners' traineeships in vocational institutes abroad:**

- A1.** Participants: Participants 10 students of the Training Laboratories Center (EK) from the field of Aesthetics (1st EPAL) with 2 attendant teachers. The mobility will last 16 days (14 days training+2 days' travel), on the subject of "Professional Makeup for Spectacle", at Ecole de maquillage professionnel et de coiffure pour le Spectacle FLEURIMON in Paris, France.
- A2.** Participants: 10 students of the Training Laboratories Center (EK) from the field of ICT (2nd EPAL) with 2 attendant teachers. The mobility will last 16 days (14 days training+2 days' travel), on the subject of "Web Design & Development", at INFOL in Rome, Italy.

## **B. VET learners' traineeships in companies abroad:**

- B1.** Participants: 15 students/recent graduates of the 3rd Vocational Lyceum of Sivitanidios Public School of Trades and Vocations from the field of Mechanical Engineering and Car mechanics with 2 attendant teachers. Students will be placed in enterprises related to their subject specialty. The mobility will last 21 days (20 days training+ 1-day travel). Host Organization: Amadeus Association (AA), located in Vienna/Austria.
- B2.** Participants: 15 students/recent graduates of the 3rd Vocational Lyceum of Sivitanidios Public School of Trades and Vocations from the fields of Applied Arts and Merchant Marine Engineering with 2 attendant teachers. Students will be placed in enterprises related to their subject specialty. The mobility will last 21 days (20 days training+1-day travel). Host Organization: Moveida Association, located in Granada/Spain.
- B3.** Participants: 10 students of the Training Laboratories Center (EK) from the field of Business Administration and Economics (2nd EPAL) with 2 attendant teachers. Students will be placed in companies related to their field of study at Education & Mobility, in the city of Bilbao, Spain. The mobility will last 23 days (21 days training+2 days' travel).

## **C. Learning mobility for VET-Staff**

- C1.** Training for 10 teachers from the 1st Vocational Lyceum of Sivitanidios Public School of Trades and Vocations, to: "Design learning scenarios for educational robotics". The mobility will last 9 days (7 days training+2 days" travel). Host Organization: Associação Educativa para o Desenvolvimento da Criatividade, located in Portugal.
- C2.** Training for 15 teachers from the 2nd Vocational Lyceum of Sivitanidios Public School of Trades and Vocations, to: "Skills & Green Actions for a Post- Carbon World- Electric Vehicle". The mobility will last 7days (5 days training+2 days' travel). Host Organization: ITpenergised training center in Spain.
- C3.** Training for 10 teachers from the 3rd Vocational Lyceum of Sivitanidios Public School of Trades and Vocations, to: "Different disciplines in the process of learning based on creativity and innovation in the classroom in theory and practice". The mobility will last 7 days (6 days training+1-day travel). Host organization: Global Skills Network, headquartered in Barcelona/Spain.
- C4.** Training for 10 teachers/trainers/Career Services office personnel from the Department of European Programs and Career Services Office, to: "Intervention Measures to Reduce Early School Leaving in VET education". The mobility will last 7 days (5 days training+2 days' travel). Host Organization: PIXEL - ASSOCIAZIONE CULTURALE, located in the city of Florence, Italy.

The duration of the proposed mobility activities will be for 15 months.



**Κωδικός** 2019-1-EL01-KA116-062459

**Τίτλος Σχεδίου** Κατάρτιση Μαθητών και Καθηγητών του 1<sup>ου</sup> ΕΠΑΛ Τρικάλων

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΤΡΙΚΑΛΩΝ

**Διάρκεια Σχεδίου** 16 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

With this application, the 1st EPAL of Trikala suggests a series of activities that will give both our students and our teachers the capability to be trained and the chance to be educated about new subjects that are continually being created in an international financial and technological environment which keeps being transformed all the time.

According to the European Internationalization Strategy regarding the 1st EPAL of Trikala as it has been appended to the Mobility Chart Application which has been attributed to our school, there are 2 training units to be suggested which concern 30 of our students and 6 of our school teachers.

### UNIT 1:

Training for students and teachers of the Mechanical Engineering and Electricity Sectors about the subject entitled "Electrical and Mechanical Engineering Equipment of Renewable Energy Resources and Building Energy Management Systems". With this suggested project, the participating students will be informed about infrastructure topics, execution project topics, topics about renewable energy resources, about energy efficiency and the new policies to be adopted by the European Union as far as the use of Renewable Resources of energy are concerned (Directive 2009/28/EU) by establishing national goals to bind all the European Union countries which generally aim to make the renewable energy resources represent the 20% of the European Energy amount and the 10% of the energy amount having to do with, particularly, the transportation sector by 2020.


The basic objective of this training is to acquire knowledge about the subject that one cannot find in the Vocational High School Curriculum. At the same time, the students will enrich their knowledge about Renewable Energy Resources and their types and, specifically, on the selection criteria concerning them, the installation conditions, the basic parts of a typical Photovoltaic system, the Photovoltaic systems integrated into the buildings and, finally, the construction and the durability tests of Photovoltaic frames and arrays as well as the installation specifications. In parallel, there will be ways to be looked into regarding the issue of reducing energy consumption in modern buildings.

This training course will be carried out in Spain in cooperation with MOVEU organization.

### UNIT 2:

Training for students and teachers of the Computer Science Sector about the subject of "Web Marketing".

According to research, the majority of businesses worldwide run at least one campaign regarding digital Marketing (Google AdWords, SEO-Search Engine Optimization, Social Media Marketing, etc.) and



implement search engine optimization applications. Nowadays, more and more companies turn to Web Marketing in order to promote their own brand name as well as their products and the services and utilities they offer. The reason for this is the fact that more and more consumers choose the Web for market searching and for buying products.

The basic goals and the expected results of the suggested project that cannot be found in the Computer Science Curriculum are:

- The participants' training on the organization and the planning of a digital marketing campaign
- To inform the participants about good practices of digital marketing
- To train the participants about SEO (Search Engine Optimization)
- To train the participants about Social Media Marketing
- To create a specialized personnel being able to respond to new challenges successfully
- To acquire specialized experience via education involving visits to businesses which offer Web Marketing

This project is to meet the following needs:

- To close the gap you can see in basic education concerning the Web Marketing Area
- To contribute to the creation of a personnel able to provide complete services in the Web Marketing Area
- To offer the participants chances to find a profession as a way out of the hard times we are currently going through

This training is to be carried out in Italy in cooperation with EGINA organization.

Furthermore, during these 2 training units, there will be training courses for their teachers whether they, themselves, are trainees or companions so that they will be able to function as multipliers through any diffusion activities in the 1st EPAL of Trikala and the rest Vocational Schools of Trikala.

With mobility flows for students and teachers of the 1st EPAL of Trikala we set high-leveled sights on them pursuing their improvement both personally and vocationally by being given the chances that will help them to find a job in a financial, social and technological environment which keeps being transformed all the time.

In parallel, the teachers will acquire important experience and will make up a strong nucleus in the 1st EPAL of Trikala which will reinforce the European Internationalization Strategy of our school by the implementation of innovative projects and teaching methods.

Since students are underage, it is obligatory to be accompanied and supervised by their teachers.

<b>Κωδικός</b>	2019-1-EL01-KA102-062163
<b>Τίτλος Σχεδίου</b>	Ανατρέποντας το Μέλλον Μέσω της Καινοτομίας, Αναδιαρθρώνοντας το ΔΙΕΚ Πειραιά, Αξιοποιώντας την Τεχνολογία και την Εμπειρία Μέσω Εργασίας, Εκπαιδύοντας για Μία Βιώσιμη Ανάπτυξη, Ενσωματώνοντας τις Καλύτερες Πρακτικές, το Ταξίδι στη Γνώση Ξεκινά
<b>Συντονιστής</b>	ΔΗΜΟΣΙΟ ΙΝΣΤΙΤΟΥΤΟ ΕΠΑΓΓΕΛΜΑΤΙΚΗΣ ΚΑΤΑΡΤΙΣΗΣ ΠΕΙΡΑΙΑ (ΔΙΕΚ ΠΕΙΡΑΙΑ)
<b>Διάρκεια Σχεδίου</b>	16 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The DIEK of Piraeus is loyal to the long-term commitment to (a) Fully exploit the potential of new technologies through the use of modern management and business planning tools; (b) Continuously adjust and enrich the curriculum adapted to new data (c) Ensuring direct contact with the international market and (d) Adopting an outward-looking educational policy with common orientations on the actions of the European Union, proceeds with the design and implementation the project "DI.S.R.U.P.T.I.ON."

More specifically, the acronym DI.S.R.U.P.T.I.O.N. is meant to communicate all the upheavals taking place globally in every field of action including the field of vocational education and training combined with the urgent need to strengthen young people but also to create favorable conditions for them to develop their skills to work and be able to participate actively in society, contributing decisively to the economic and social development of Greece and the European Union.

### More specifically:

- DI.S.R.U.P.T.I.ON.
- Disrupting the future
- Searching for innovation and entrepreneurship
- Restructuring VTC of Piraeus
- Using technology
- Promoting work-based learning
- Training to ensure sustainable growth
- Incorporating best practices the journey to Knowledge is ON

The DI.S.R.U.P.T.I.ON. project for the training year 2019-2020 has been built respecting the obligations arising from the VET Mobility Charter and is addressed to the following 5 specialties, the trainees of which will participate in 5 corresponding flows of 14 beneficiaries+ 1 tutor as following:

- 1st flow:** "TECHNICIAN OF COOKING ART - CHEF " in Italy (Ascoli and Rome) with partner COEUR
- 2nd flow:** "HOSPITALITY MANAGEMENT AND HOTEL SERVICES " in Cyprus (Limassol) with partner ShipCon Limassol Ltd
- 3rd flow:** "MANAGEMENT AND ECONOMICS IN THE MARITIME SECTOR» in Romania (Constanta) with partner Athena Study and Training srl



**4th flow:** "PHARMACY AND COSMETICS ASSISTANT" in Romania (Bucharest) with partner Athena Study and Training srl

**5th flow:** "TECHNICIAN IN BAKERY-PASTRY" in Turkey (Chanakale) with partner AGSK

All our partners are implementing mobility projects under the Lifelong Learning Program. They collaborate with a large number of private and state-owned companies, active across the range of their countries' economic lives. They have access to the local labor market and businesses and specialize in programs that are of interest to the specialties that IEK Piraeus operates.

With all the Organizations, apart from the new ShipCon partner, IEK Piraeus has long been working together to build trust and mutual relations, while transnational experience has been extended to all involved. In addition, IEK Piraeus and AGSK have invested in strengthening and promoting Greek-Turkish friendship and cooperation. Our experience with the implementation of most mobility programs and the trustworthy cooperation that the stakeholders have so far have been a guarantee of the utmost success of this project.

In order to ensure the quality of the project, a mentor attendant per flow is foreseen, who will be responsible for the smooth running and qualitative integration of the project, having an active participation in the teams, assessing the integrity of the organization, the stakeholders, as well as the complete entity of the program.



**Κωδικός** 2019-1-EL01-KA102-060965

**Τίτλος Σχεδίου** Terroir Adaptation in Climate Change

**Συντονιστής** ΕΝΩΣΗ ΟΙΝΟΠΑΡΑΓΩΓΩΝ ΑΜΠΕΛΩΝΑ ΚΕΝΤΡΙΚΗΣ ΕΛΛΑΔΟΣ (ΕΝ.Ο.Α.Κ.Ε.)

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Winemaking is an important branch of the Greek economy with a steady upward trend in country's annual GDP. Greece ranks 13th in the world ranking based on the area available for viticulture. The Greek winery has for years embraced the necessity of identifying the Greek vine-variety. The identity of the wine is the necessary condition for preserving the qualities of the winemaking tradition. However, the phenomenon of climate change obliges the winery to implement a terroir adaptation strategy that include, among others **a.** altitude, exposure to sunshine, slope and mechanical-chemical soil composition, **b.** the climatic composition and evolution in the region per period of time, **c.** the varieties of vines cultivated by the viticulturists, **d.** the cultivation and wine-making methods applied and dominating by region.

The proposed Mobility project provides for the training of 10 people, belonging to the staff of ENOAKE's members, to acquire innovative knowledge and know-how on adapting terroir to the impacts of climate change. These people are wine producers (agronomists, chemists, winemakers, etc.) working in wineries in central Greece.

Participants need to be trained in order to expand their capacities to create appropriate adaptations to address the impacts of climate change on terroir and to integrate the best practices of the host country into their work. The mobility will last for one week and will take place in spring of 2020 in a single flow. Spain has been selected (Rioja region) as the host country, the EU's largest winemaker, which holds 14.8% of the world's vineyard area and is a role model for European winemaking units.

The University of Rioja has chosen as the host partner, since it has significant relevant academic, research and practical experience. Training activities include specialized scientific and technical lectures and seminars at the University, a visit to the Institute of Vine and Wine Sciences (ICVV), technical visits to visiting reputable wineries, guided tours of vineyards and cultural visits.

### *The project has the following main objectives:*

- The acquisition of innovative know-how and know-how to adapt terroir to the impacts of climate change, capacity building and Europass, integrating and linking them to the labor market.
- Preparing appropriate adaptations to address the impacts of climate change on terroir and integrating them into ENOAKE's wider strategy.
- Contributing to the reduction of the climate impact and the gradual increase of the annual turnover by 5-10% of the ENOAKE wine producing units, with the dynamic facing of the adaptation needs in the next 5-10 years.
- The development of European collaborations and networking with organizations, wine universities and wine producers to develop common solutions.

- To strengthen the relationship between European training policy and the labor market, increase competitiveness and employment at national and European level.

***Expected results are:***

- Enhanced participants' skills and launching adaptation to address the impact of climate change on terroir.
- The gradual increase of the annual turnover by 5-10% of the ENOAKE wine-producing units, with the dynamic adaptation solutions that will face the needs, in the next 5-10 years.
- Exploring and developing common solutions through trans-European partnerships with competent bodies.
- Strengthening the relationship between European training policy and the labor market, increasing competitiveness and employment at national and European level.

The social and economic impact of the project is expected to be positive as its results will be communicated to numerous target groups at local, national and European level in the short and medium to long term.





**Κωδικός** 2019-1-EL01-KA102-061079

**Τίτλος Σχεδίου** **Ας Μάθουμε για την Επαγγελματική Εκπαίδευση και Κατάρτιση  
στη Φινλανδία**

**Συντονιστής** ΔΙΕΚ ΔΡΑΜΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The project “Let’s learn about Vocational Education and Training in Finland” aims at developing at our school the Vocational Education and Training better, so as to meet the European criteria. By exemplifying Finnish Vocational Education, we can contribute to sharing best practices with other European countries.

The objectives of our project are to utilize innovative learning methods in the Adult Education, to make an inventory of the elements in the curriculum that include not only European but also international topics and to implement a cross-curricular approach to teaching. Additionally we mean to create new cooperative basis concerning the working life, to improve our linguistic, organizational and intercultural competences, to develop our communicative skills and our problem solving skills in the classroom, to repeal social inequality. 5 people from the staff of the Institute of Vocational Training in Drama are going to participate in the course, hoping that in the future students of the Institute will take part in Erasmus KA2 mobility. Ms. Tsakiridou Panagiota is the director of the Institute of Vocational Training in Drama, she has studied “Public Health”, holding a Master Degree in Adult Education. She is a certified teacher with huge experience. She has been teaching “Health and work security” for 15 years in Vocational Training Centres and she works as a Counselor in training programmes for unemployed people. She was a consultant of Health Education, Career Counseling and Environmental Education.

Ms. Kanetidou Maria is the deputy director of the Institute of Vocational Training in Drama. She has studied “Technologist of Medical Laboratories” and “European Civilization”. She holds a Master Degree in “Research for the local social development and cohesion”. She holds a B2 level Certificate in English. She is a certified teacher in Adult Education. Ms. Boumpa Anna is also the deputy director of the Institute of Vocational Training in Drama. She has studied German Philology and holds a Master Degree in “Didactics of German Language”. She holds a C2 level Certificate in English. She has taken part in Life-long Learning Programmes about the Intercultural and Environmental Education. She was a German teacher in Centres for Vocational Education.

Mr. Kounios Georgios has studied “Physical Education”. He has been working for 9 years at the Institute of Vocational Training in Drama as an administration clerk and he is still working there. He is responsible for the financial part of the organization with huge experience. Mr. Nikolaidis Vassilios has studied “Physical Education” and he is attending a Master Degree course in “Kinesiology”. He holds a B2 level Certificate in English. He has been working for 7 years at the Institute of Vocational Training in Drama as an administration clerk and he is still working there. He is responsible for the traineeship of the students.

We will perform a bibliographic research on the Vocational Education in Finland. Finland's educational system is regarded to be one of the best in the world. We will make at first a presentation - discussion with the teachers and the students of the Institute of Vocational Training in Drama about the purpose and the objectives of this project and about the best assimilation of the learning objectives.

We will visit Varia Vocational College, where we are going to work on learning diaries, blogs and social media, we will share ideas and experiences in groups, we will discuss in sessions and workshops. We will discuss the knowledge, skills and competences evaluated in our system. We will make a comparison to the Finnish system. We will find the best practices; we will compare the systems and methods throughout Europe. We will set up international projects during the course. We will be informed about the European Credit system for Vocational Training.

The impact to our organization will be strong enough, as we will utilize new educational practices in the classroom and the teachers of the institute will learn to know about them, so that the image and the efficiency of our school will be improved at educational level. The students will have the biggest benefit, since the new educational practices will give equal chances of participation to all and will efficiently contribute to the connection of Vocational Training with the job market. In this project we aim at the achievement of multiplicative educational effects and benefits, both for the participants and for the involved institutions abroad.

This strengthens additional value to the proposal, contributing to the development of European dimension, as far as the Vocational Training is concerned, as well as to the dissemination of the importance of mobility programmes and to the transfer of European culture in the involved country. We need to invest a lot for the Vocational Education and Training and to change mentality and attitude, so as to try to reach the level of Finland. It's a necessity.



**Κωδικός** 2019-1-EL01-KA102-061099

**Τίτλος Σχεδίου** Σχεδίαση-Παραγωγή Κοσμήματος με Σύγχρονα, Τρισδιάστατα, Ηλεκτρονικά Σχεδιαστικά & Εκτυπωτικά Προγράμματα

**Συντονιστής** ΣΧΟΛΕΣ ΤΕΧΝΗΣ ΜΟΚΥΜΕ Ι.Κ.Ε.

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

This proposal aims at a 10-days training at Barcelona region-Spain, for 15 teachers- jewel designers (at P/C lab) and Students' practice teachers of MOKUME Schools-Silver-Goldsmiths department in Thessaloniki. They will be trained in the fields below:

- a) Learning and use (theoretical and practical) of basic functions and capabilities of the jewelry design three-dimensional software RhinoGold.
- b) Learning and use (theoretical and practical) of three-dimensional RhinoGold printer.
- c) Learning and use (theoretical and practical) of the interactive jewel design tool of the RhinoGold software: Cloud. Trainees will be trained in these issues with: seminars, study visits, job shadowing method, and with active participation in the jewelry design and production. 15 trainees will design jewelry using 3D software RhinoGold (aided by the experienced Spanish colleagues) and then print out their plans with 3D printer RhinoGold.
- d) The knowledge of the history and style of the traditional Spanish jewelry (Cordoba region)

Our plan is part of Erasmus+, KA1 Learning People Mobility - Mobility of the Trainees & the Personnel of VET. 15 participants are teachers- jewel designers (at P/C lab) and Students' practice teachers (professional designers and jewelry manufacturers) of MOKUME Schools-Silver-Goldsmiths department in Thessaloniki. Five (5) of them know to design jewels with older version software or with software from other manufacturer. They will help the other participants both in the preparation and implementation of the Barcelona training program. They know very well the English language. They are mostly young people and handle well the technologies of communication and information (e-mail, twitter, Facebook, instangram , internet, office, skype and other applications and functionalities of PC systems).

- The duration of the training program is 10 days.
- Participants' training (learning-use of the 3D RhinoGold software, 3D printer, Cloud tool ), will take place in the laboratory of JORGC (Union of Barcelona Silver/gold smiths ), and will be held two study visits at companies Joieria Petritxol & GR Jewelry, where they use the 3D design RhinoGold jewelry software.
- The training evaluation and program implementation will be made by the program controller, set up by the MOKUME Schools, through completing of specific questionnaires & daily reports by the participants, but also by those responsible for MOVEU, who will monitor and support the 15 trainees.
- The Expected learning outcomes for 15 participants will be:



- 1) Knowledge and operating skills and the use of three-dimensional RhinoGold jewelry design software
- 2) Knowledge and operating skills and the use of three-dimensional printer RhinoGold
- 3) Knowledge and operating skills and the use of the jewel design interactive tool of the RhinoGold software: Cloud
- 4) Knowledge (history & style) for the traditional Spanish Jewelry

This knowledge: will upgrade the 3D jewel design Training program of the MOKUME Schools. Should make competitive the Greek gem (easy and fast manufacturing process, better quality than the hand-made jewel, cheaper) in international markets and to upgrade the profession of the Greek silver/goldsmith

***The knowledge and skills will be spread/disseminated to:***

- a) The Students of the Silver/Gold Smiths department of the MOKUME Schools in Thessaloniki
- b) The teachers of the Silver-Gold Smiths department of MOKUME Schools, related to the Jewel design and production, the students' practice teachers (professional Silver-Gold Smiths of Thessaloniki) and their staff, who didn't participated in the program
- c) The Greek SilverGold Smiths Federations, and mainly
- d) The buyers/ purchasers of the Greek jewelry

***The Diffusion- dissemination of the Project results will be realized through with***

- a) 2 scheduled Workshops at the region
- b) An informative-promotional poster,
- c) A presentation on the exhibitions "KOSMIMA" and "GOLD-SILVER" It will be presented to the public in an interactive way (Rhino cloud).
- d) Establishment of the "Digital Jewelry Day"
- e) Posts/uploads at MOKUME, SCHATH, GSEVEE, MOVEU and the EPALE websites.

Silver Goldsmiths will benefit financially, but also by strengthening their prestige. They will design and produce in the future quality superior jewelry, in a faster time and at a lower cost. The jewelry buyers will gain by buying a lower price and a higher quality jewelry (comparing to the handmade jewelry)

**Κωδικός** 2019-1-EL01-KA102-061106

**Τίτλος Σχεδίου** **Νέα Συστήματα και Τεχνολογίες στη Διαχείριση του Αρδευτικού Νερού με την Προστασία του Περιβάλλοντος και των Υπόγειων Υδάτων – Εφαρμογή της Έξυπνης Γεωργίας (SMART AGRICULTURE) στην Άρδευση**

**Συντονιστής** ΤΟΠΙΚΟΣ ΟΡΓΑΝΙΣΜΟΣ ΕΓΓΕΙΩΝ ΒΕΛΤΙΩΣΕΩΝ ΠΗΝΕΙΟΥ ΛΑΡΙΣΑΣ - ΤΟΕΒ ΠΗΝΕΙΟΥ ΛΑΡΙΣΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ


The Local Land Improvements Organization of Pinios River (TOEB PINIOU N. LARISAS) aims at providing land improvements to its members' agricultural land, regulating the use and distribution of water, drawing up studies and constructions or completions of works as well as the regulation, operation and maintenance of such works, and the authority to impose sanctions and coercive measures against any members who do not correspond to the obligations of the organization's statutes. TOEB PINIOU N. LARISAS has been one of the largest local organizations for land improvements in Greece since it is responsible for 145.000 irrigation hectares and consists of more than 6000 members-owners of agricultural estates located within the organization's jurisdiction.

Today, the problem of water shortage and by extension the irrigation waters has been one of the greatest issues of concern for humanity and the greatest threat for the stability of our planet. Agriculture constitutes the greatest user and consumer of water and in particular the Mediterranean countries which have many dry land areas. In Greece, agriculture consumes about 80% of the water and is characterized by a wide variation in its use, but also its availability during the year.

The TOEB PINIOU N. LARISAS, as a body for managing the irrigation waters, worries particularly how the progress the problem of irrigation water shortage would evolve within the next decades and the implications this would have for both the farmers as well as the environment. Moreover, the organization's responsibility has been even greater due to its contribution (through the network of its concrete dams and land canals) to the viability of a great work completed in our area, the reconstitution of Lake Carla.

### *The aims of the project are:*

- Acquiring knowledge concerning the rational use of water.
- Updating for important irrigation works and constructions by the application of modern technology in the field of hydraulics and irrigations.
- Becoming familiar with funding tools the European Union has been providing to completing such works.
- Acquiring further knowledge on new methods of use and distribution of waters.
- Updating on new irrigation techniques which help water saving and its better management.
- Updating on the application of smart technology in irrigations.
- Familiarizing with the field of environmental sensitivity.
- Establishing a network of contacts with similar organizations of other Mediterranean countries.

- 
- Becoming familiar with the culture and civilization of two large Mediterranean countries and establishing common European conscience.

During the period Autumn 2019 – Spring 2020, there will be two mobility projects in Spain and Italy with 20 TOEB PINIOU N. LARISAS members-producers per mobility flow. The activities which will take place and the anticipated results are as follows:

- Visit at the Ministry of Agriculture, Environment and Climatic Change for updating on the projects the District of Valencia has been developing for modernizing irrigation aiming also at reducing water consumption.
- Visit at the headquarters of the Hydrographic Confederation of the Jucar River in order to becoming familiar with water management methods and the irrigation works in the area.
- Visit at the Water Court of Justice for updating on the sanctions imposed for non rational management of irrigation waters.
- Visit at the Administration of Hygiene and Waters for updating on the water reuse procedures aiming at the protection of the water sources.
- Visit Lake Lago di Fimon to becoming familiar with environmental conscience.
- Visits at irrigation systems companies to update on new irrigation systems and the application of smart technology in irrigation.
- Visit the company BETA STUDIO PADOVA to update on the function of the irrigation works of the area of Vicenza.
- Visit at the Agricultural Consortium of northeast Italy to update on better irrigation management and the agricultural needs for water.

Besides the anticipated results deriving from the aforementioned visits for both the participants and the organization, our project is expected to having long lasting benefits for the local community, such as: improving the use and saving of irrigation waters by also resulting to production and income increase for the farmers, the protection of the area environment and therefore the improvement of life quality and standards of living for the local communities.

Furthermore, the continuous water supply of Lake Carla with water from the River Pinios through the TOEB PINIOU N. LARISAS irrigation system will contribute to its viability by also protecting the ecosystem, supporting the city of Volos water supply, recovering the water table, promoting new occupation forms and tourism and the microclimate of the region.



**Κωδικός** 2019-1-EL01-KA102-061130

**Τίτλος Σχεδίου** Γεωργία Ακριβείας: το Μελλογονικό Σύστημα Παραγωγής Αγροτικών Προϊόντων

**Συντονιστής** ΠΑΝΕΛΛΗΝΙΑ ΕΝΩΣΗ ΤΕΧΝΟΛΟΓΩΝ ΓΕΩΠΟΝΙΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Precision Agriculture is a system for producing agricultural products based on the management of inputs in a field according to the actual needs of the crop both spatially and temporally. Precision farming systems rely on the potential of new technologies to identify the spatial-temporal variation of crop needs and the development of variable inputs.

Contrary to conventional agricultural production methods where inputs are provided uniformly in the field, considering that there is an acceptable homogeneity in soil and soil fertility, soil moisture, weed and insect populations, and plant characteristics, precision farming manages the field in smaller areas (management areas) that display a relative uniformity that is more responsive to reality. With precision farming, we manage more effectively the local variation of a target field:

- Increasing production performance.
- Improving product quality.
- The rational and more efficient use of chemical inputs.
- Reduce energy consumption.
- Protection of soil and groundwater.


The technologies used by precision farming are comprised of computers, global positioning systems (GPS), geographic information systems (GIS), various types of sensors, and input control systems. The incorporation of new technologies into agriculture has enabled a different management that was not possible a few years ago, at levels of detail that could not previously be achieved.

Trainees will be familiar with the applications of precision farming such as a simple geological study, ground acidity measurements, recording of weather phenomena, satellite tracking, aerial spraying and aerial photography and sensor network placement.

The main objective of the proposal is to inform and raise awareness of precision farming applications so that the agronomic members of the association can become familiar with new technological applications in crops and adopt this system of agricultural produce and achieve significant economic and environmental benefits.

The educational needs of agronomists arising from the economic circumstances, the overall effort to reduce environmental pollution and the upgrading of agriculture to developed countries are as follows:

- Application of new cultivation practices that reduce the impact on the environment,
- Analysis and understanding of the impact of monitoring in real and non-time,
- Reduction in the use of fertilizers and pesticides,
- Improving the quality of products produced.



Meeting these needs will lead to more efficient management of the investments of the producers and their modernization, resulting in lower costs, increased efficiency and overall improvement of the primary sector. The expected results of the program are as follows:

- enrich their knowledge in precision farming,
- apply the acquired knowledge to their crops,
- implement sampling and analysis techniques,
- design and implement a model of decision-making in cultivation practices,
- stabilize and reduce the factors affecting the crop,
- ensure timely anticipation and prevention of pests of their crops,
- ensure ways of rational irrigation, fertilization and plant protection.

The total duration of the project is 14 days and will be carried out in Spain with the participation of 20 beneficiaries of agronomic technology - members of the Union. The IRTA host organization chosen to implement the program has a great experience both in adult education and in training on the subject. The IRTA and in particular the Integrated Crop Applications Development Department has developed innovative methods in the management of integrated crops. All innovations are implemented in accordance with European standards and legislation, in cooperation with local agricultural schools compiling young farmers.

IRTA is a research institute belonging to the Government of Catalonia. It is under the Ministry of Agriculture and is autonomous. The mission of IRTA is to contribute to the modernization, competitiveness and sustainable development of agriculture, food and aquaculture. In addition, it seeks to provide safe and quality food for consumers and in general to improve the well-being of the population.



**Κωδικός** 2019-1-EL01-KA102-061138

**Τίτλος Σχεδίου** E-Business: B2B & B2C Προϊόντων Επιχειρήσεων Α Μεταποίησης

**Συντονιστής** ΟΜΟΣΠΟΝΔΙΑ ΕΜΠΟΡΙΟΥ ΚΑΙ ΕΠΙΧΕΙΡΗΜΑΤΙΚΟΤΗΤΑΣ ΕΥΒΟΙΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The federal trade and entrepreneurship of Evia "Evia-business" as a sending organization, aims to meet the new conditions imposed by the business environment and contribute to the development and promotion of entrepreneurship and adaptability in Enterprise / self-employed and upgrade their skills. It participates in the design of this proposal by selecting thematic objects according to the findings and the data resulting from the identification of educational needs and the needs of the labor market.

Entrepreneurship is now moving into a new era characterized by e-commerce. E-commerce is any kind of commercial transaction between persons (natural and non-physical) carried out by electronic means. It is the purchase of goods, information and services through computer networks.


ELECTRONIC ENTERPRISE and e-commerce give new outlets and growth potential to an online market that is different from the conventional one and which shapes its own rules. Competitive laws view the need for companies to participate in this online market.

Evia food and beverage businesses with products of unique quality and taste but also with sufficient quantities for export are selling their products to intermediaries without first having their products branded with their own brand and secondly not having the corresponding earnings. Products such as PGI wine, honey, PDO cheese slice, PDO figs, oil, olive paste and jam are not sold by businesses because of the lack of know-how of their human potential.

The modern economic environment presents several challenges in the e-business economy, such as:

- Enlarging geographic coverage - Ability to reach customers located everywhere, without the establishment of local branches,
- Minimizing the supply chain, bringing the suppliers directly to customers,
- Increase sales, both through online stores and through their contribution to other channels,
- Respond to more complex transactions,
- Reduced operating costs and continuous operation,
- Use of modern and efficient technologies for intra-company integration.

Based on the above-mentioned situation and given the need for the outward-oriented orientation of the A manufacturing enterprises (such as commercial / manufacturing enterprises wineries, figs, standardization of olive oil, fresh fruit etc.), we designed the program "E-Business: B2B & B2C PRODUCTS A PROCESSING COMPANIES" addressed to executives and employees of enterprises engaged in the food and beverage industry processing and wishing to extend their activities to new areas abroad.



Italy, which has developed the food and beverage industry, has been chosen as the host country and has implemented e-commerce practices. At the same time, the host ADV Studios has a great experience in the field of electronic promotion of processed agricultural products as well as with the procedures required for the promotion of their products electronically.

The program aims to promote e-commerce technologies and executive training, focusing on business to business (B2B) and business to customer (B2C) business. The aim is to train executives in the use of e-commerce, as well as to understand the ways and the critical points for the exploitation of new technologies and the Internet in the implementation of e-business for the food and drink businesses of the Prefecture of Evia. More specifically the objectives of the program are focused on:

- Training of executives in e-commerce technologies,
- Knowledge of the factors affecting the effects of e-commerce and the benefits of online business engagement,
- Business leadership in the use of inter-business commerce technologies to reduce their operating costs,
- Promoting the use of customer-oriented technologies to improve service delivery and profit-taking, directly or indirectly,
- Spreading transactions nationwide and globally.

The proposal is geared to enriching and updating the knowledge of the ELECTRONIC ENTERPRISES participants on A manufacturing enterprises in order to improve their professional skills and to facilitate their personal development, employability in the European labor market.



**Κωδικός** 2019-1-EL01-KA102-061172

**Τίτλος Σχεδίου** Ενεργητική Εκπαίδευση Στελλετών στον Τομέα της Τοξικοεξάρτησης

**Συντονιστής** ΚΕΝΤΡΟ ΘΕΡΑΠΕΙΑΣ ΕΞΑΡΤΗΜΕΝΩΝ ΑΤΟΜΩΝ - ΚΕΘΕΑ

**Διάρκεια Σχεδίου** 24 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The project aims to support the mobility of twelve (12) professionals/drug counselors working at KETHEA. Specifically through this mobility project KETHEA endeavors to transfer knowledge, expertise and innovative approaches for dealing effectively with drug addiction, to fathom in techniques and differential therapy models and to provide to its staff ways for empowering their professional practice and minimize the effects of burn out. Additionally, KETHEA aims to promote critical thinking, boost self-efficacy, personal fulfillment and completion through adult education.

The total duration of the project is 24 months (01.10.2019 - 30.09.2021). The mobilities will occur at the Amsterdam Institute for Addiction Research (AIAR), which is a cooperation between the Amsterdam Medical Centre of the University of Amsterdam and the Jellinek Addiction Treatment Centre in Amsterdam. Each mobility will last fourteen (14) days and involves the participation of two staff members in focused training in drug addiction field.

The educational topics, which were produced from the collaboration of the KETHEA and AIAR and are designed specifically for KETHEA staff, are the following:

**1st Flow:** "Harm Reduction"- 2 staff members.

**2nd Flow:** "e-Health Services"- 2 staff members.

**3rd Flow:** "Double Diagnosis"- 2 staff members.

**4th Flow:** "Legal Addictions: alcohol, gambling and Internet"- 2 staff members.

**5th Flow:** "Reintegration/working facilities- 2 staff members.

**6th Flow:** "Treatment Services & Techniques"- 2 staff members.

AIAR is an educational institution with high expertise and scientific prestige in the field of addictions in the Netherlands. The institution can provide innovative educational methodology, combining theoretical background and professional practice. The combination of a treatment center and a university facilitates active communication between treatment, research and education. Thus, trainees can come into direct contact with existing treatment models and prevention programs and receive holistic educational services through job shadowing activities and participative observation.

The selection of the twelve (12) professionals – trainees will be based on criteria promoting the acquisition of key competences in continuous vocational training, the transfer of knowledge acquired during the mobility, and the transfer, use and dissemination of the results of the training in the most effective way.

*The expected effects on the participants are:*

- to empower their professional role through new knowledge and skills.
- to disseminate knowledge, processes and therapeutically methodology, which in long term will benefit the organization.

The impact of this project is dual, to strengthen and to motivate professionals and also to increase the effectiveness of therapy. In this way, the positive impact, beyond the participants and organizations involved, will influence people in therapy in Greece.



**Κωδικός** 2019-1-EL01-KA102-061213

**Τίτλος Σχεδίου** ECO Friendly Innovations in Pistachio Production

**Συντονιστής** Α.Σ. ΚΕΛΥΦΩΤΟ ΦΥΣΤΙΚΙ ΜΩΛΟΥ-ΘΕΡΜΟΠΥΛΕΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ


The Common Agricultural Policy (CAP) of the EU from 2020 onwards, includes nine objectives, amongst them the following: **i.** action on climate change; **ii.** the protection of the environment, **iii.** the preservation of landscapes and biodiversity, **iv.** the protection of health and food quality; and **v.** the balance of power in the food chain. In this context, the cultivation and production of pistachio is directly influenced by the CAP so the necessity for adaptation emerges. Pistachios producers consider it necessary to investigate viable and environmentally friendly practices that can be used in the production. It is therefore crucial to incorporate environmental friendly innovations in all stages of pistachios' production, from spraying, cultivation and harvesting to processing and packing.

The mobility project foresees the professional training of 15 participants, all members Thermopyles-Molos Pistachio Cooperative, producers of pistachios in environmental friendly innovations that can be applied in all stages of pistachios' production. The producers need to be trained in the best practices of advanced cultivation methods that production units already apply in the host country, Italy (Palermo, Bronte). CESIE (Center for European Studies and Initiatives), which has extensive experience in similar projects and is closely associated with the relative Agricultural Department of the University of Palermo and pistachio producing units, has been selected as the host partner.

Project training activities include study visits to organic pistachios units and cooperatives, specialized seminars at the University of Palermo (research on eco friendly producing methods) and cultural visits.

### *The main objectives of the project are:*

- Acquiring know-how in order to implement environmental friendly innovations at all stages of pistachio production (spraying, cultivation, harvesting, processing, packing, use of green energy, utilization of production waste). Recognizing and certifying the acquired knowledge and skills (Europass) for participants, integrating them into their daily work and consequently supporting employment.
- Increase of Eco friendly cultivation/production/packaging process by 20% over the next 7 years (Bio crops, organic products and natural storage, use of green energy for packaging/ processing, waste production reuse ie. of pistachio nut shells).
- Contacting and strengthening networking with other European countries that produce pistachio, in order to exchange knowledge on **i.** organic production, green innovations, the utilization of waste from the production process, and **ii.** How to connect the local economy with gastronomy (recipes with pistachio products) and tourism (visiting crops and production units).

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- Strengthening the extroversion of the Thermopyles-Molos Pistachio Cooperative activities, its European identity, developing its managerial capacity too, in order to implement European projects, while having as partners other relevant European bodies. Also maximizing its contribution to the adoption of environmental friendly innovations at all stages of pistachios' production.
  - To highlight the relationship between European training policy and the labor market, increase competitiveness and employment in the sector of pistachio producers and other complementary sectors.

*The main results of the project are:*

- i. Well trained staff with innovative knowledge, ready to apply environmentally friendly innovations at all stages of pistachio production, also recognition and certification of their acquired knowledge and competences (Europass).
- ii. Incorporating knowledge, thus achieving the goal of increasing the 'green' cultivation / production / packaging processes by 20% over the next 7 years.
- iii. Establishing viable partnerships and strengthening networking with European advanced in methods used, pistachio producers (eg cooperatives and other units) and research centers (ie relevant departments of Universities).
- iv. Thermopyles-Molos Pistachio Cooperative will acquire a European identity, strengthen its managerial capacity and finally make a real contribution to linking European training policy to the labor market (increasing competitiveness and employment while aligning with the EU CAP).

The project will have a wide social and economic impact on targets groups, as its results will be disseminated locally, nationally and in a European level, both in the short and medium to long term.



**Κωδικός** 2019-1-EL01-KA102-061240

**Τίτλος Σχεδίου** Σύγχρονες Μέθοδοι στην Καλλιέργεια, τη Διαχείριση και τη Διάθεση του Αχλαδιού και του Ροδάκινου

**Συντονιστής** ΑΓΡΟΤΙΚΟΣ ΣΥΝΕΤΑΙΡΙΣΜΟΣ ΓΙΑΝΝΟΥΛΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

In a period influenced by a global financial crisis, the Agricultural Cooperative of Giannouli, aiming at its further development and activation in new fields such as agricultural products packaging, has proceeded in making use of the potentials the European Union offers and therefore submit the present mobility plan.

The aim of this mobility plan is to acquire knowledge on the new pear and peach varieties. We aim at improving our skills in farming and cultivation techniques, irrigation and fertilizing systems, complete plant protection and diseases treatment techniques, fruit pruning and thinning techniques.

Furthermore, we aim at acquiring knowledge on function, organization and administration issues of our Cooperative, by also becoming familiar with modern collection and distribution machinery for peaches and pears as well as new technologies on the products packaging and standardization. We also aim at gaining further expertise on the field of trading and exporting agricultural products targeting always to secure new markets both in Greece and abroad, by also internationalizing our Cooperative with extrovert activities of creating new cooperation and trust relations with producers of the areas we will be visiting resulting to a common profit. Finally, we also aim at improving our knowledge in Italian language, culture and civilization with several other activities.

In order to achieve these goals, we consider imperative to train our members in all stages of pear and peach cultivation until their collection and post collection product management. Therefore, 26 producers of our Cooperative will be visiting Italy to participate in the following programme/activities:

- Visit the premises of Piemonte Fruit Producers Association (Asprofrut), visits at Producers Associations and Cooperatives in the area of Piemonte and Emilia-Romagna to update on issues related to areas of agricultural products cultivation and marketing.
- Visit the Institute of Agricultural Research and Innovation 'Agrion' where we would be deepening in issues related to plant protection of pears and peaches.
- Contacts with specialists of the companies ABL Cavezzo and Unitec which manufacture fruit collection, packaging and processing machinery.
- Visit the headquarters of companies activated in the fields of fruit and vegetable packaging, distribution and export to update on issues related to products packaging, standardization and promotion (exports).
- On the spot visits to pear and peach orchards at Piemonte and Emilia-Romagna.
- During the programme the participants will also have the opportunity to visit and tour the nearby cities and attend cultural events and tourist activities.

With the participation in all the above activities and visits the participants will have the opportunity to acquire further knowledge on the cultivation of new varieties, suitable to the climatic conditions in our region and resistant to difficult treated diseases and will also have the chance to improve their knowledge on plant protection and cultivation skills and techniques. All this knowledge will contribute to production increase, minimizing the use of pesticides and fertilizers, minimizing the production cost and as a result enhancing the Cooperative profits. The participants will have the opportunity to becoming familiar with different ways of organizing and operating corresponding Italian organizations as well as enriching their knowledge on areas such as packaging, standardization, marketing and exports of agricultural products. They will also have the chance to familiarize themselves with the Italian language, culture and civilization. The visit to Italy will contribute in a more international approach of the Cooperative through contacts and cooperations with corresponding organizations abroad.

The selection of the participant farmers/growers will be based on objective criteria and will be conducted through the procedures provided in the Cooperative charter. The participants will be growers who are eager for knowledge and willing to produce good quality products which then be promoted to countries abroad. Growers who wish to establish cooperation bridges with colleagues in the European Union by also promoting the very idea of united Europe and hoping that all this would support their profit increase and their living standards improvement.

Responsible for monitoring and implementing the programme will be the Cooperative President; a person with organizational skills and fluency in English language and a person with great popularity and respect. The implementation of this activity will enrich the knowledge and skills of all the Cooperative members as it concerns the Cooperative organization and extroversion, and beyond that, the programme will also reflect its benefits to a wider local, regional, national and European level.



**Κωδικός** 2019-1-EL01-KA102-061308

**Τίτλος Σχεδίου** Ακολουθώντας τις Εξελίξεις στην Καλλιέργεια και τη Διαχείριση του Αχλαδιού

**Συντονιστής** ΑΓΡΟΤΙΚΟΣ ΣΥΝΕΤΑΙΡΙΣΜΟΣ ΔΕΝΔΡΩΝ «ΓΑΙΑ ΦΡΟΥΙΤ»

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The last decade has been characterized by the global financial crisis, which has led businesses and enterprises follow new paths in order to acquire knowledge and skills so that they be able to survive and develop. Therefore, the Agricultural Cooperative of Dendra "GAIA FRUIT", aiming at its further development and activation in new sectors, decided to make use of the capabilities the European Union offers and submit the present mobility plan.

With its participation in the mobility programme, the Cooperative aims at acquiring further knowledge relevant to new pear varieties as well as improving the growers' knowledge on the cultivation, from the sowing stage up to the setting up of a new orchard, the irrigation and fertilizing systems and pruning up to the product picking stage.

Improving their skills in recognizing the symptoms of the most basic diseases and the most common insect infestations and the use of diseases prognosis systems and the implementation of complete plant protection methods for treatment are the projects goals. Acquiring further knowledge on the technological developments related to pear picking, selection, and packaging and standardization machinery.

Being further informed on operation, organization and administration issues of a Cooperative and acquiring further experiences and skills on marketing, distribution and exports of agricultural products aiming at securing new markets both in Greece and abroad. Becoming familiar with the technological developments on processing machinery and new processed pear products. Improving the European prospects of the Cooperative with a network of contacts with corresponding organizations abroad. Improving our knowledge in Italian language, culture and civilization.

16 growers-members of the Cooperative will be visiting the regions of Veneto and Emilia Romagna in Italy participating in the following programme:

- Visits at Fruit Growers Associations and Pear Cooperatives at Veneto and Emilia Romagna to update on issues related to the cultivations of local pear varieties as well as the processing and marketing of the agricultural products.
- Updating on international marketing strategies by executives of top supplying companies in these regions, which manage the complete supply chain for fruit and vegetables, from the plant nurseries to sales stages.
- Visit the Institute of Research and Development to update on the CIV innovation variety and the Dal Monte plant nursery to update on new pear varieties.
- Meetings with pear producers of the Protected Geographical Indication at Emilia Romagna to update on issues related to the quality and certification of pears.

- Visits at headquarters of companies activated in the field of fruit and vegetables packaging, distribution and exports to update on issues related to products packaging, certification and marketing (exports). During the training period the participants will also visit pear orchards at Veneto and Emilia Romagna and take part in tourist and cultural events.

This training programme will improve the participants' knowledge on the cultivation and the new varieties of pear which could be adopted for cultivation in the climatic conditions of the region of Tyrnavos.

The participants will also improve their knowledge and on fighting the diseases and their skills on cultivating methods and techniques, thus, increasing their yield, minimizing the use of pesticides and fertilizers resulting to profit increase of the Cooperative. The Cooperative organization and operation will also be improved. There will be updating on new technologies in the fields of packaging and standardization and they will improve their knowledge on agricultural products trading and exports. They will have the opportunity to get to know the Italian culture and civilization as well as enhancing the Cooperative internationalization and European awareness through contacts with corresponding organizations abroad.

The selection of the participants will be based on the Cooperative regulations. The participants will be active members with open mind and will to experiment on new varieties and innovative techniques. Growers who believe in the European unification and the profits the European Union can offer through the mobility programmes and who also believe that knowledge should be shared and to lead to development.

The implementation of the programme will benefit the participants both individually as well as the cooperating organizations for short and long term planning. The programme will reflect its benefits on a wider local, regional, national and European level.



**Κωδικός** 2019-1-EL01-KA102-061309

**Τίτλος Σχεδίου** Operation Dual System in Europe: Κατάρτιση Προσωπικού και Μεταφορά Καλών Πρακτικών στο Δυϊκό Σύστημα Μαθητείας και Κινητικότητας της Ε.Ε.

**Συντονιστής** ΔΙΕΚ ΑΙΓΑΛΕΩ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

ODSE is a proposal for the mobility of trainers and administrative staff of the Consortium of Public Institutes of Vocational Training (DIEK) Aigaleo, Akademias Platonos & Ag.Dimitriou, which includes professional visits & training at Apprenticeship Institutes inside the EU. In particular, ODSE includes staff training and transfer of good practice from the apprenticeship and mobility system of Germany.

Apprenticeship and other forms of Work Based Learning methods are a springboard for job creation, enhance employment prospects by acquiring the skills and competences needed in the labor markets and supporting personal development. Both Ministry of Education and European Commission (Riga Conclusions, 2015) has decided to support and integrate Public Institutes of Vocational Training (DIEK) into apprenticeship learning method with the prospect of joining as many students as possible, from as many specialties as possible.


Mobility includes 15 teachers and staff of DIEK Consortium who are now and in the future will develop and support the new apprenticeship learning method as trainers, supervisors and administrative staff which they will attend the one week training.

In particular, DIEK Aigaleo, had piloted the implementation of the Apprenticeship, with the first departments starting in 2018 and continuing for 2019, while its support has been taken over by the Career/ Apprenticeship/Practical Exercise Office. Similarly, DIEK Ag. Dimitriou participated in 2018 with Apprenticeship department while DIEK Akadimias Platon participated in the writing of the Apprenticeship Syllabus.

At the beginning of the apprenticeship, training needs were identified, so the proposed training was planned in the belief that the training results would meet the needs of the participants. The main objective of the proposed project is to support the participating teachers to acquire knowledge and skills on the dual apprenticeship system and the transfer of good practices to Consortium DIEK's and other DIEK's, that will soon begin implementing in the apprenticeship learning method.

The project envisages the participation of 15 teachers and administrative staff in the Academy of the Chamber of Commerce and Industry, in Munich Germany, to enable them to be informed about the dual mechanism apprenticeship system of VET applied in Germany.

The flow will take place in the Munich Chamber of Commerce and Industry, which has a long experience in the implementation of apprenticeship programs, has its own Training Center and works with the industry with both large and small-sized companies and schools in the region and promotes partnerships to gain experience of students from the internship.



Our program provides presentations by the host, including all aspects of the apprenticeship system and visits to selected organizations (companies, schools) so the participants can get to know the implementation of the system and the role of schools, chambers and companies.

The trainees' contact with a country based on their education system in the apprenticeship institution will provide them with the skills needed to meet the new educational challenges with significant resources in order to contribute to a better implementation of the new dual learning apprenticeship system in VET.

*The key issues agreed to be presented are:*

- The German Apprenticeship System - Characteristics of the dual apprenticeship education system.
- Transition from education to labor market
- Methods of learning in the dual apprenticeship system in Germany
- Operation of Apprenticeship (Public Education - School-Company)
- Advantages & problems of systems
- Training contracts between the company & the apprentices
- The role of schools, chambers and companies
- Supervision of students
- Recognition of VET

The project includes preparatory, organizational, managerial parts as well as program implementations and dissemination stages by the involved stakeholders. The results we want to achieve through this mobility are to transform Greek VET as an attractive alternative to general education, through the successful implementation of the Apprenticeship by the consortium. We also intend to ensure the dissemination of the results, through the development of scientific research and work which already supported their development by the DIEK Aigaleo.

**Κωδικός** 2019-1-EL01-KA102-061342

**Τίτλος Σχεδίου** Πρόγραμμα Ειδικής Επαγγελματικής Εκπαίδευσης και Κατάρτισης  
Διδακτικού Προσωπικού Ειδικής Αγωγής ΕΕΕΕΚ Καβάλας

**Συντονιστής** Ε.Ε.Ε.ΕΚ. ΚΑΒΑΛΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The Special Education and Training Laboratory of Kavala is a newly established special school that started its activity in September 2012 and is located in N. Karvali, it is the only Special Secondary School of Secondary Education of the Prefecture and its students' age is between 14 - 21 years old. The aim of our school is the individual, social, cognitive, cultural development of pupils as well as the acquisition of professional skills that will enable students to stand autonomously in social and professional life, to the extent their disability allows.

The aim of this mobility is to improve the participants knowledge of special education science, professional skills, interdisciplinary collaboration and personalized approach to education, always taking into account their disability, the family and socio-economic environment of the individual student, mutual assistance, acceptance, understanding, interference in all aspects of the life of pupils with disabilities as well as integration practices and strategies which can help in their subsequent social and professional life.

The 8 Individuals selected to participate in the program belong to different educational and professional disciplines such as psychology, sociology, tourism, physical education, plant production, forestry and agronomy. It will be organized with the help of the host partner observing and training at major special education institutions in Barcelona, Spain. The program will be implemented from 23 February 2020 until 1 March 2020.

The program activities include initial communication with the host partner, selection of participating teachers in the program and organization of the main Action Plan that the school will follow. Also practical activities, such as organizing tickets, lodging and catering are within the program's goals.

The impact we expect to be positive for our school, not only to improve the level of education and training of the teaching staff, but also to apply new techniques and skills to our curriculum and to develop a positive profile for our school, the successful implementation of the program will be an important step for the school to come closer to our goal.

**Κωδικός** 2019-1-EL01-KA102-061358

**Τίτλος Σχεδίου** Εκπαίδευση Προσωπικού ΠΟΛΕΜΙΚΟΥ ΝΑΥΤΙΚΟΥ

**Συντονιστής** ΠΟΛΕΜΙΚΟ ΝΑΥΤΙΚΟ (ΚΔΒΜ2 (ΚΕΚ) ΚΕ ΠΑΛΑΣΚΑΣ)

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Main goal of project is to provide high quality and effective training for Hellenic Navy courses and Hellenic Navy training centers, the exploitation of social networks and the use of distance learning technologies for trainers.

To achieve this target, four tiers have been planned:

**Tier 1** 'Project Management' Germany -5 days. Navy command staff, Navy school managing staff, training center department heads and trainers of all specialties will acquire and practice the necessary knowledge to design and manage a project in their area of responsibility. They will learn to design and manage projects based on timetables and milestones listing available resources. They will obtain the knowledge to control quality and compare the effectiveness of the new methods to the traditional ones currently applied to our organization.

**Tier 2** 'Evaluation and Assessment Methods' Cyprus - 7 days. Navy administration staff, department directors, members of the department of the Navy Schools and Training Centers, and trainers of all specialties will acquire and apply the required knowledge to evaluate training. They will learn how to apply various forms and types of assessment as well as how to adhere to the legal framework they must comply to. They will be able to identify the characteristics of valid and reliable evaluation assessment tools and the criteria to selecting them.

**Tier 3** Health and Safety at Work with an Emphasis on Training Facilities' Portugal -5 days. Training staff and Health and Safety at Work Officers will be able to recognize safety and health hazards and assess risks, implement basic health and safety checks, set standards for risk management / prevention and supervise the implementation of safety protocols. They will be able to identify the necessary actions that need to be taken when accidents occur and to communicate effectively on corrective steps wherever health and safety issues are concerned. They will understand and communicate the legal codes that apply, update the staff responsibilities check lists, and create a network among themselves to document and exchange experiences.

**Tier 4** The Customization of a Distance Education Portal and the Creation of an Educational Website for Training Purposes. Italy -5 days. Training staff executives and trainers will be able to customize and post lessons on an eLearning platform such as Moodle, Edmodo, Weebly, etc., and will be able to create websites and customize digital, e-learning platforms for educational purposes. The aim is to promote excellence in training by providing educators and their fellow trainers the opportunity to collaborate as team. To be able to exchange views with other trainers from Europe. On Moodle they will be able to create forums, surveys, lessons, digital books, assignments, glossaries, quizzes, wikis, workshops and will be able to integrate other digital resources available on the internet (videos, texts, images,etc.)





Total number of participants: 57 people

Submit an application to ERASMUS +, Hierarchical information about the results of the application evaluation, Signing a contract with IKY / ERASMUS+, Updating the Services for the involvement of the appropriate staff according to the needs and criteria set., Signing a contract with hosts and co-designing a training program, quality, engagement, facilities for guided tours, accommodation, nutrition, Updating the Mobility Tool, Selection of staff meeting the criteria, Inform the selected staff and sign a contract, a quality commitment and a training program, insurance cover and, obligations-rights, Updating IKY / ERASMUS+ for Mobility and Possible Changes.

Providing three-day educational and travel preparation per flow to KDBM2 KE PALASKAS, Education in the host country per flow at a time that is planned in agreement with host organizations, Providing a training certificate by hosts to all trainees, Provide Europass to all migrants., Assigning roles, Participate in dissemination actions as planned, Evaluation of the program by the trainees, Final report to IKY / ERASMUS+, Repayment of our organization, Payment of host carriers., Implement training for our organization, Post to EPALE.

### *Expected outcomes of project:*

- Adoption knowledge and experiences on Technology informations and distance learning
- Supply of safe working areas
- Spread of health and safety rules
- Dissemination of results
- Adopting a framework for evaluation and management of a training project
- Provide quality and efficient training using the technology and distance learning networks in collaboration with other European educational institutions.
- Reduction of industrial accidents

### *Long-term benefits:*

- Higher education
- Providing distance learning
- Achieve resource savings
- Greater range of training with networking with other European educational institutions
- Flexibility through ratings
- Acquaintance with the culture of other European peoples
- Adopting and implementing innovative ideas

**Κωδικός** 2019-1-EL01-KA102-061405

**Τίτλος Σχεδίου** Capacity Building on Social Economy

**Συντονιστής** ΙΝΣΤΙΤΟΥΤΟ ΕΚΠΑΙΔΕΥΤΙΚΟΥ ΚΑΙ ΕΠΑΓΓΕΛΜΑΤΙΚΟΥ ΠΡΟΣΑΝΑΤΟΛΙΣΜΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The project aims at the exploration of good practices and exchange of knowledge and innovative methodologies in the field of Social Economy and Entrepreneurship, between IEKEP, Legacy WM, England and The Lennox Partnership, Scotland. IEKEP is a not for profit Certified Lifelong Learning Centre (Level 2) with a long experience and interest in vocational (re)Orientation and promotion of entrepreneurship. The host organizations are both social enterprises specialized in issues of Social Economy and Cooperative Structures. The proposal stems from IEKEP's desire to re-enter the field of social economy and in the long term to reopen, following new protocols and standards of operation along with quality control and knowledge the Multicultural Cooperative PolyPolis, a prototype Social Cooperative launched by the organization in 1998-1999 and operated for three years.

### *The learning objectives are the following:*

- Investigation of the different forms of Social Economy as a solution to counseling and training of Socially Vulnerable Groups
- Understanding cooperative enterprises and analyzing their structure and operating conditions
- Processing of good practices by colleagues in the field and transmitting them in Greece
- Enhancing the cognitive potential of IEKEP's staff in training, counseling and guidance for the unemployed and socially vulnerable groups especially in the promotion of social entrepreneurship and social economy

The project, which concerns training trainers, consultants and IEKEP's executives, will be implemented in two flows, with 10 motilities each, at Birmingham and Clydebank, following the recognized Adult Education techniques.

The project's life cycle will take place from October 2019 to November 2020.

**Κωδικός** 2019-1-EL01-KA102-061409

**Τίτλος Σχεδίου** The Art of Wine E-Marketing

**Συντονιστής** ΕΝΩΣΗ ΟΙΝΟΠΑΡΑΓΩΓΩΝ ΤΟΥ ΑΜΠΕΛΩΝΑ ΒΟΡΕΙΟΥ ΕΛΛΑΔΑΣ ΑΕ (ΕΝΟΑΒΕ)

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Greek wine production represents about 1.7% of European wine production and about 1% of world wine production. According to a recent survey, domestic production is fragmented into a large number of winemaking units. Currently, the winemaking sector in Greece includes a few large-scale winemakers, a number of medium-sized but also small (local) winemaking enterprises and associations of agricultural cooperatives.

Although the high quality characteristics and excellent potential of indigenous varieties have been communicated among specialists and especially those that influence markets and shape wine perception, there is a marketing gap towards the potential consumers. This identified need rise with the opportunity for better and more appropriate marketing and promotion. In addition, given the rapid growth in internet promotion, it is even more important to focus on e-marketing and promotion of wine on the Internet. It is estimated that is a way of reaching a large proportion of stakeholders (either consumers or associates) at a very low cost which greatly corresponds to the nature of the winemaking enterprises which are mainly found in Greece.

In tertiary, post-secondary in Greece, there is a shortage in education provision in the respective fields related to winemaking and mainly wine marketing. There is only a bachelor degree at the technological educational institute of Athens about Oenology and Beverage Technology which also offer a Master Degree on the subject of winery in general. However, it does not entirely correspond to the reality of domestic winery, since it covers only postgraduate education by excluding those from lower levels of education.

In this context, the need for specialized and certified training in the field of wine marketing can be covered through the proposed project and the corresponding mobility in a European University in FH Krems which offers a Bachelor Degree in International Wine Business.

The proposed project concerns the two-week training of 24 participants (wine producers, executives in wineries and wine production units, exporters and professionals with little experience in marketing of the wine sector). By participating in the mobility, stakeholders are expected to acquire new, or improve and update existing knowledge, skills and competencies.

The suggested agenda involves both theory and technical visits in wineries of the area of Wachau and presentation of case studies. Concerning the theory-based courses, learners are expected to acquire basic skills knowledge and competencies in the following fields:

- understand the function of marketing as an integral element of an organization in terms of enhancing customer satisfaction
- explain key marketing terms, marketing concepts and the associated tools

- the sale and promotion of wine products in the EU
- marketing activities on the world map of wine
- apply different approaches to brand development
- trends of wine and consumer's behavior
- the internet and the opportunities it offers to companies in terms of marketing
- marketing and strategies for wine products and labels
- e-marketing and strategies for wine products and labels
- the principles of e-commerce processing (e.g. payment systems and processing transactions)





**Κωδικός** 2019-1-EL01-KA102-061420

**Τίτλος Σχεδίου** Η Εφαρμογή του Συμπεριληπτικού Μοντέλου Διαπολιτισμικής Εκπαίδευσης στην Ισλανδία και η Προοπτική Καλλιέργειας Συμπεριληπτικής Κουλτούρας στα Ελληνικά Επαγγελματικά Σχολεία

**Συντονιστής** ΕΡΓΑΣΤΗΡΙΑΚΟ ΚΕΝΤΡΟ ΔΡΑΜΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Greece has changed since the end of the 1980s from a country which exports emigrants to a one which imports them. The vast majority of illegally arriving people has been in the last decade more and more from the wider Middle East region. A group of 1,000 refugees with 130 underage children, in need of school education and professional skills, was settled in the region of Drama.

The progressively growing multicultural character of Greek society raises the issue of the formation of intercultural educational policies. Intercultural education, internationally, follows one of the following 3 models: **a)** The Assimilation **b)** The Accession and **c)** The Inclusive model. For their education, we recommend the inclusive model, where teaching grants the success of all pupils, regardless of nationality, gender, social stratification, while teachers and students learn to respect and understand their cultural differences. The education of pupils with different cultural and religious cultures presents many peculiarities.

The problem is particularly intense in laboratory courses in the sector of "Health and Welfare" in the fields of Aesthetic Art, Hairdressing, Physiotherapists, where many of them require physical contact among students during laboratory courses. For the education of adolescents with different cultural and religious cultures, there has not been any training for the teachers of the Laboratory Centers, who are called upon to provide them with professional skills without any knowledge or experience, but their sense of honor and love for their students. It is therefore imperative to educate teachers who are required to provide professional skills to emigrant children, mainly of Muslim religion.

The proposed project will focus on teaching practices for the teaching of laboratory courses in an intercultural school, based on the inclusive model already in place in Iceland, and will help educators to raise their students' awareness of the problems of everyday racism.

The purpose of this project is to provide specialization to the teachers of EK Drama in order to be able to respond to the special educational needs of adolescent emigrants and to familiarize themselves with the teaching methods of the laboratory courses in which, contact between students is proposed or even required as students use their classmates as "practice models".

The proposed project approaches the issue of educating students with cultural specificities through their pedagogical, didactic, psychological, professional and sociological dimensions. The adolescent immigrants who are the ultimate goal of this project will benefit most since they will have completed integrated vocational training, thus ensuring more jobs to work, better knowledge of Greek public administration and workplace assistance.

During the placement, the participating teachers will be informed by “Intercultural Iceland” instructors about the inclusive model and its implementation in Icelandic schools, collaborative learning, stereotypes of discrimination and racism, and how it faced cases of discrimination and “racist attacks” at the expense of all-religious students or immigrants.

The teachers of the mission body will develop the problems that will arise in the teaching of the laboratory courses in which, according to the curriculum, the pupils of the Health and Welfare sector are trained in their classmates’ bodies, and will attend various teaching approaches to confront. Teachers will realize the inclusive model in intercultural learning as implemented in Iceland, communicate with educators who have professionally educated adolescent immigrants, and talk to teenagers and adolescent migrants to find out how they deal with physical contact between classmates in the field of Health Care and Welfare and how they will manage the same issue in their future workplace.

EK Drama, with the expertise that its teachers will acquire, will be able to successfully implement integrated vocational training programs for adolescent migrants with different cultural and religious cultures, but also to act as multipliers to disseminate the knowledge and experience they have gained.



**Κωδικός** 2019-1-EL01-KA102-061430

**Τίτλος Σχεδίου** Πελατοκεντρικές Υπηρεσίες Φιλοξενίας

**Συντονιστής** ΕΝΩΣΗ ΞΕΝΟΔΟΧΩΝ ΠΙΕΡΙΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The Association of Hoteliers of Pieria, as a professional institution of the prefecture of Pieria, has found that many hotels - members of the Association - due to radical upheavals and shrinking purchasing power of the internal Greek market, intense shifts in demand from large foreign markets, the impact of current international politically situation on foreign tourists and the increasing price competition - must find solutions in the market to face losses in terms of clients and their income and ensure their viability.

To achieve this goal will significantly help the training of hotel staff in order to improve the services offered to their customers while adopting modern methods approaching new target audiences.

### *Description Target-Methodology-Profile & Number Of Participants*

This mobility project involves staff training of the Hotel Association of Pieria. The general objective is the hotel managers to gain new knowledge and experiences so that their businesses become more competitive and attract more visitors for longer period. The specific objectives are the participants to:

1. Be informed and adopt modern quality and functional hotel standards.
2. Be aware of new trends in customer satisfaction services.
3. Know how the new tools of online applied marketing.
4. Get to know new successful business practices applied by other hotels of Italy.
5. Get to know the international competitive environment in hotel sector so that they can adapt successfully to this.
6. To determine the comparative advantages of the Greek place in which they operate and promote them.
7. Establish contacts and communication network with colleagues in European countries.

To achieve the above, a 5-day training program will be implemented by the partner-“EUROCULTURA” in Italy who specializes in hospitality and tourism. The program also includes visits in selected hotels which apply successful practices that have managed to extend the tourist season. It also includes visits in associations and chambers of the Italian tourism, in order the participants to be informed on issues of the tourism policy and the general situation on that sector in the country. The program will involve 16 people from the staff of different hotel units of Pieria Hotel Association.

### *Results-Impact-Term Benefits*

The expected results for the participants will be:

1. They will become acquainted with the modern quality and operational standards that should characterize a successful hotel business in the globalized tourism sector. Visits to selected hotels in Venice's touristic tourism will help greatly in this area.
2. Understand the marketing tools, and in particular through Internet, in relation to the dominant sites such as Tripadvisor and Booking, and will be able to apply them, thus improving the competitiveness of their businesses.
3. They will understand from firsthand the professional culture of their foreign colleagues.
4. They will have the opportunity to develop personal relationships with the personnel of the visited hotels, which will continue after the end of the activity.
5. They will improve their professional competence which will give them confidence and certainty.
6. Having experienced the business characteristics of foreign companies they will be able to compete them successfully.

The above obtained results and good practices from the project will be disseminated to the activities planned by the project such as info days, leaflets, press releases in newspapers and postings on the website of the Hotel Association of Pieria, Hellenic Chamber of Hotels and online social networks. These actions will be accessible to all interested companies to local, regional and national level.

In the long term this project hopes to provide a chance of acquaintance and cooperation with professionals in the hospitality and tourism in Italy and targeting in the future to corresponding partnerships with professionals from other European countries that have well-developed hotel sector. So the business extroversion will be developed and the creation of permanent communication networks will be established with similar businesses abroad.



**Κωδικός** 2019-1-EL01-KA102-061442

**Τίτλος Σχεδίου** Σύγχρονες Μέθοδοι Καλλιέργειας του Καστάνου

**Συντονιστής** ΑΓΡΟΤΙΚΟΣ ΣΥΝΕΤΑΙΡΙΣΜΟΣ ΚΑΡΙΤΣΑΣ - ΣΤΟΜΙΟΥ «ΚΑΡΠΟΙ ΚΙΣΣΑΒΟΥ»

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The last decade, our country has been into a very difficult financial period. The principal sectors which could help recovering the Greek economy by creating new job positions and increasing the people's income are agriculture and tourism. Our Cooperative's plan aims at developing agriculture but also contributing to the tourist development in our area as well.

The targets our organization has set are to improve the quality and competitiveness of the produced chestnuts, learn about new products in the food industry with chestnuts as basic element and develop extroversion through the promotion of part of our production in markets abroad. Also, the introduction of the Kissavos chestnut in Italy and the promotion of our region as an excellent tourist destination which combines the beauty of Mount KIssavos and the magnificent beaches of the Aegean Sea. In order to accomplish these goals, it is imperative to educate and train our members in fields related to all the stages of chestnut cultivation up to gathering and the post gathering management of the product. Special attention will also be paid on the product promotion potential in the food industry as well as the organization and internationalization of our Cooperative through contacts with corresponding organizations abroad.

22 chestnut producers will travel to Italy in order to visit the following entities:

- Companies and Cooperatives which produce Protected Geographical Indication chestnut varieties and the chestnut museum.
- The chestnut Producers Union in Campania (Assocastagna) and Florence (Mugello variety) to update on its cultivation prospects as well as packaging techniques, chestnut products and marketing.
- The Chamber of Commerce in Viterbo which organizes the annual chestnut festival and the chestnut producers of the Societa Agricola Giovanelli.
- Chestnut fields of several local varieties.
- The Regional Administration of Campania to update on the chestnut cultivation prospects in the area.
- Several tourist destinations.

The mentioned activities will benefit the participants as follows:

- Knowledge enhancement on the cultivation to increase productivity, minimize the production cost and as a result offering more profits to the Cooperative.
- Learning new standardization and packaging technologies in order to produce products with quality indication resulting to an improved product promotion in the market.
- Income increase and probably the creation of new job positions.

- Knowledge enhancement and application of new marketing techniques which would support exports.
- Updating the Cooperative members on the complete plant protection systems applied in Italy in order to minimize the use of chemical substances.
- Adaptation in the new data of contemporary European agricultural practice.
- Contracting cooperations and building trust with chestnut producers of the area.
- Promotion of our qualitative chestnuts as well as our region as a tourist destination.
- Familiarization with the Italian language, culture and civilization within the framework of the common course of the two countries in the European Union.

The selection of the participant growers will be completed according to the Cooperative regulations. The participants will be producers with special interest in the chestnut cultivation who are also eager to learn and willing to produce good quality products and promote them in many countries abroad. People who wish to build cooperation bridges with colleagues in the European Union by promoting the ideal of the united Europe and anticipating that this cooperation will help increase their income and living standards.

Responsible for monitoring and implementing the programme will be the Cooperative President who is very organizational and speaks in English. The implementation of this activity will enrich the knowledge and skills of all the Cooperative members as it concerns the Cooperative organization and extroversion, and beyond that, the programme will also reflect its benefits to a wider local, regional, national and European level.



**Κωδικός** 2019-1-EL01-KA102-061448

**Τίτλος Σχεδίου** Δημιουργία Επαγγελματικών Μαθημάτων σε Ψηφιακά Περιβάλλοντα Χρησιμοποιώντας Διαδραστικές 3D Προσομοιώσεις και Τεχνικές Εικονικής Πραγματικότητας

**Συντονιστής** 3<sup>ο</sup> ΕΚ Δ ΑΘΗΝΑΣ-ΝΕΑ ΣΜΥΡΝΗ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

In this consortium's project involves 5 vocational schools covering various areas of Athens (A, C, D and eastern Attica) where over 200 teachers teach and exercise around 2,500 students. The project concerns the training of 15 teachers from the partner schools (3 participants from each school), on innovative learning environments and teaching methods based on the PC and will be implemented in the school year 2019-2020 at the Center for Educational Technology of Tallinn University.

The University of Tallinn is the largest university of humanities in Estonia, and In the past 13 years has merged a number of study and research institutions, such as the Center for Educational Technology. The five areas of interdisciplinary focus of the University are educational innovation, digital and cultural multimedia, cultural skills, healthy and sustainable lifestyles, and society and open governance.

The Center for Educational Technology was established in 1996 at the School of Educational Sciences of the University in order to coordinate research, development and educational activities in educational technology both in the school itself and in general at the University.

It is a common place in both Greek and international contexts that the training of teachers in modern educational tools is an institution of strategic importance and is an integral part of a continuous and lasting professional and personal development and development of teachers that takes place within and in direct connection with the modernization and overall development and development of the education system and is closely linked to the evolution of materials, social, cultural, political and educational plus cases and terms that all define an educational system at a given historical moment.

Treaties, today more than ever, are extremely favorable to a flexible, open education adapted to modern social and economic circumstances that overcomes its own weaknesses and removing the limitations of the conventional education system can translate into practice the characteristics and its philosophy.

There is therefore a pressing need to shift to flexible, complementary forms of knowledge supply, such as new technologies in education, and VET teachers need to be prepared and trained to respond to these new challenges.

The integration of ICT, 3D simulations, educational games, and digital tools into the classroom are an exciting development for the role of technology in learning. Strengthen classroom learning strategies for the whole class, improve the quality of interaction and evaluation, increase the pace and depth of learning.

The subjects of the seminar are aimed at training the participants to create innovative educational scenarios and educational activities for their students based on the use of new technology applications (virtual workshops, 3D simulations, interactive augmented reality applications, serious games, etc.)



The basic modules training will focus on:

- Presentation of the techniques used in e-learning.
- Analysis of applications and methods used ITC in the classroom.
- Analysis of network virtual environments as well as presentation of the technology of virtual reality.
- Virtual environments and applications used for distance education.
- The use of serious games and simulations in e-learning.
- The use of virtual tools and devices to create technical courses.
- Creating courses with interactive 3D simulations.
- Cartoons and anything related to educational techniques.

The need for training in this field resulted from the fact that the upgrading of the quality of the education provided is directly related to the training of the teachers. The use of new technologies in education enhances and enhances the learning provided, both in lifelong learning and in distance learning. This training involves teachers of all specialties who wish to increase their ability to use technology in the classroom.

#### *Learning results:*

- The acquisition of the knowledge and skills needed to create and implement e-learning platforms and the integration of digital technologies into training courses in relation to a multidisciplinary approach.
- The creation of ready-to-use materials, practical ideas and current electronic applications to support school or organizational development in ICT, promoting universal access to education.
- Support Open Educational Resources (OER) and open learning environment in education, encourage co-operation between educational sectors, including disadvantaged learners.



**Κωδικός** 2019-1-EL01-KA102-061489

**Τίτλος Σχεδίου** Κατάρτιση σε Στρατηγικές Ανανέωσης Υφιστάμενων Προϊόντων Κρόκου

**Συντονιστής** ΑΝΑΓΚΑΣΤΙΚΟΣ ΣΥΝΕΤΑΙΡΙΣΜΟΣ ΚΡΟΚΟΠΑΡΑΓΩΓΩΝ ΚΟΖΑΝΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The Cooperative of Saffron Producers of Kozani, it is known for its unique product which is PDO and is established at a national and European level. The saffron cultivation has reached a very satisfactory level as well as the quantities produced. Also, the cultivated land which thrives is specific and additionally as time goes by the lot is becoming dismembered. The only way out - solution for an upswing of the Association and by extension for its members is to develop new products based on Saffron following practices of EU countries such as Spain.

This programme addressed to the executive personnel of the Association is focused on creating a (new) product following the sequence of interim measures: market research, design and evaluation of the concept, design of new product, production, quality control of the product, promotion of new product on the market, price determination, advertising, etc.

The project aims to equip participants with basic knowledge to develop successful products and develop marketing skills to be able to promote the new product, investigate, analyze, evaluate the current and future market needs in order to help design new products and services and improving the existing new products and services of the Association.

Participants will have the opportunity to be awakened and learn about the steps to develop a new product that firstly they themselves must believe in in order to promote it. After completion of the project participants will have gained multiple benefits relating to:

- understanding of the market opportunity analysis, consumer behavior, market segmentation and targeting, identification of customer needs,
- developing ideas for new products,
- evaluation of ideas,
- selection of projects for new products,
- designing new products,
- product architecture,
- ergonomics and environmental responsibility of the product,
- development of marketing strategy (pricing decisions, distribution, promotion and personal selling),
- risk Management names (brand names, trademarks).

This project concerns the mobility of 20 Human Resources Managers, members the Association, who for a period of 14 days will travel to Spain which has extensive experience in the agricultural sector and promoting new agricultural products. The duration of the mobility abroad is satisfactory to meet the educational needs of the participants in order to gain knowledge regarding the training subject and simultaneously strengthen their linguistic and cultural skills.



The training program is designed according to the characteristics and needs of participants (adult education) in order to obtain the specialized knowledge required in relation to the creation of new products based on Saffron following successful examples.

This action is expected to have an impact not only on improving skills and the acquisition of new knowledge for the beneficiaries, but also in promoting a European collaborative environment. The host organization Pallars Jussa, International Marketing & Services, SL chosen for the implementation of the program specializes in marketing and has worked in the past, other mobility program by partnering having excellent cooperation and result.



**Κωδικός** 2019-1-EL01-KA102-061548

**Τίτλος Σχεδίου** Εκπαίδευση Εκπαιδευτικών στο Σχεδιαστικό Πρόγραμμα EPLAN Electric P8

**Συντονιστής** 2<sup>ο</sup> ΕΚ ΒΟΛΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The 2nd Laboratory Centre (LC) of Nea Ionia Magnesia is the technical and laboratorial assistance & support of the 1st & 4th EPAL (Technical Schools) and IEK (Post-Secondary Institute) of Volos in Greece, with the 32 labs and workshops & the 65 teachers of various specialties it caters for.

Among the duties of our LC is the search for partners abroad to act as hosts for a group of teachers to train on special fields and improve their knowledge and qualifications through the Erasmus+ projects.

Within this duty, we found the company 'Edaliograph ltd' in Limassol in Cyprus in order for a small team of staff (9 teachers) with the proper disciplinary background to train and be certified in EPLAN Electric P8 Software.


What is the EPLAN Electric P8? Is a multi- software that offers unlimited possibilities for project planning, documentation, and management of automation projects.

The automatic production of detailed reports based on wiring diagrams is an integral part of a comprehensive documentation system and provides subsequent phases of the project, such as production, assembly, commissioning and service with the data required.

Engineering data from other project areas can be exchanged via interfaces with the CAE software, thus guaranteeing consistency and integration throughout the entire product development process. In the project entitled – 'Training of Teachers in Software EPLAN Electric P8 , 9 teachers will take part, from the sectors of Electrical, Mechanical, Electronics & Computer Science of the 2nd LC of Magnesia Region in Central Greece. These teachers will be trained and certified in 'Edaliograph ltd' facilities for five days.

The main objective of the program is the acquisition of certificates of the group in EPLAN Electric P8 Software. It will give to the participants the possibility to:

- Identify how the software works & create an electric board.
- Determine precisely the level of documentation quality they want.
- Focus on the essentials of the study, and the software to take care of the management of project data.
- Create drafts with standardization and plans that speed up the production process through variable graphics, through tables, etc.
- Automatically convert any project from one standard to another, ensuring that teachers will be competitive as globalization grows.
- Optimize the entire design process and increase the quality of automation documentation.



As can be seen from the above, the participants will train on modern technological issues aiming not only at the equal position of our school in the European family but also in gaining a special place within this family.

The 9 teachers participating in the project are all from technical disciplines, with recognized expertise in education policy, expertise and guidance in the labor market, and willingness for continuous training. The 9 teachers have a university degree and some of them have postgraduate specialty, while the selection of the participant teachers will be made by the Teachers' Association of the 2nd LC.

All the activities will take place in the facilities of the 'Edaliograph Ltd' & 'Electromatic Constructions Ltd' daily from 09:00 to 16:45 for five days, with two small break and one lunch break. The duration of the training will be 5 days and each day 8 hours of training will be done. The group of teachers will be monitored – evaluated by the Director of the 2nd LC. Mr. I. Beretas, while there will be preliminary training in the labs of 2nd LC, in the fields of Automation, PC, CAD.

The 2nd LC as lab center will have the potential to become a key tool in the development of vocational education and training in our country. As a fully organized & equipped public authority, LC can meet the current educational needs in technical and professional entities & can support actions on qualified certification of their members, as well as on the harmonization with existing European practices.

Through this session of training, the staff of the 2nd LC will be trained, certified and develop skills in modern technology areas, allowing them to meet on equal terms with their European partners. At the same time, this training of the group in English language, besides improving the use of the language, will add to the significant understanding of the technical terms they already use, sometimes incorrectly or without knowing their exact meaning.

Upon completion of the program the educational processes that the 2nd LC will provide will be updated and in tune with their respective European organizations, which is a national criterion, commitment and obligation.

As stated in the information note of CEDEFOP (March 2015), "... The vocational education & training was considered a means to combat rising unemployment, since it allows people to acquire skills so they can find work. Almost half of the seats working in Europe require medium-level qualifications, many of which are acquired through vocational education and training."



<b>Κωδικός</b>	2019-1-EL01-KA102-061649
<b>Τίτλος Σχεδίου</b>	Απόκτηση Ειδικών Δεξιοτήτων στον Τομέα της Επαγγελματικής Υγείας και Ασφάλειας
<b>Συντονιστής</b>	ΕΛΛΗΝΙΚΟ ΙΝΣΤΙΤΟΥΤΟ ΥΓΙΕΙΝΗΣ ΚΑΙ ΑΣΦΑΛΕΙΑΣ ΤΗΣ ΕΡΓΑΣΙΑΣ (ΕΛ.ΙΝ.Υ.Α.Ε.)
<b>Διάρκεια Σχεδίου</b>	12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The project concerns the acquisition of specific occupational health and safety skills with an emphasis on the economic approach and in particular the application of a cost / benefit method for the assessment of prevention measures. Prevention will be assessed as an investment by using specific financial tools.

The project aims to:

- the integration of this method in the actions developed by ELINYAE
- provide evidence that prevention is in the best interest
- the contribution of the Institute for the Implementation of the National Strategy for Occupational

Health and Safety for the years 2016-2020 and in particular on the need to create an Occupational Risk Insurance Body. The implementation of the project will be carried out by a qualified economist who will move to France (Nancy) where INRS is based.

The activities to be developed include the theoretical presentation of the method by the laboratory manager in INRS, its application in a specific work environment and finally the evaluation of the results.

The know-how that will be gained will have a positive impact on the activities of ELINYAE both inside and outside the Institute. In the long run, it will contribute to the State's willingness to set up an Occupational Risk Insurance Body, which requires a good estimate of the cost of accidents at work.

**Κωδικός** 2019-1-EL01-KA102-061705

**Τίτλος Σχεδίου** Αναζήτηση Καλών Πρακτικών σε Θέματα Επανάταξης Ψυχικά «Ασθενών»

**Συντονιστής** ΓΕΝΙΚΟ ΝΟΣΟΚΟΜΕΙΟ ΘΕΣΣΑΛΟΝΙΚΗΣ Γ. ΠΑΠΑΝΙΚΟΛΑΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Once the mentally ill, people lived in an asylum stacked 20, 30, 40 in a chamber. Sometime they managed to live in hostels and boarding houses together with other people or themselves at home. The endeavor for reintegration was a lasting struggle. Today ex-psychiatric patients can work, produce wine, make candles, have their "own" cleaning crew etc.

A model of this struggle for psychological rehabilitation of "patients" is the Green Unit of the Psychiatric Hospital of Thessaloniki, which is a Psychiatric "Patient" rehabilitation unit. The main goal of MP is to reduce recurrences as well as to minimize the operational difficulties faced by "patients". This is achieved through the implementation of psycho-education programs and the practice of social and work skills, with a daily occupational therapy program in activities such as ceramics, painting - drawing, engraving, batik, etc., training in social skills.

This Unit, in order to function effectively, requires not only upgraded and well-organized primary services, but primarily a well-educated and upgraded executive staff and two-way communication with other out-patient and hospital units abroad to communicate and exchange good practices.

In this context, an Erasmus+ K11 / short term mobility staff training program is submitted, which refers to the mobility of a group of eight (8) professionals from the Northern Ireland University in Lisbon, Portugal. Mobility is planned to take place in November 2019 and take 7 days to ensure that the work of the shipping operator is not hampered.

The program will be attended by eight (8) professionals from the Greens Green Unit. Th., Who will be selected by the multidisciplinary staff of the MP, which consists of graduates of secondary education to holders of a doctorate degree. More specifically from scientific staff of PS Psychologists, PE Dieticians, GPs of Gymnastics, TE Health Visitors, TE Occupational therapists, and auxiliary staff: DE Administrative / Accounting Technicians (Tractor Operator), Technicians (Greenhouse Conservator), Technical Technician (Carpenter) (According to the philosophy of the program), everyone is involved in the therapeutic and educational process according to their knowledge and special abilities.

The program includes a seminar, lectures by special psychiatrists, occupational study visits to hospitals and Lisbon clinics active in patient rehabilitation. This program addresses the identified needs of the staff of MP. Training, acquaintance with new methods of reintegrating "patients" into methods applied in similar clinics, Lisbon hospitals.

### Goals:

- Supporting participants so they can upgrade their knowledge and skills on patient reintegration, informing them of the new methods of reintegration used in Lisbon and transferring good practices to the MP.
- Establishing a collaborative network with clinical and psychiatric patient reintegration structures in society.
- Dissemination of Mobility results across the Dispatch Facility.
- Upgrading the services provided through the use of newer methods of reintegration of patients with MS with final recipients of the upgraded patients' services and ultimately aiming to ensure and improve the quality of patient life.
- The multiple development of the personality of the professionals of MP with the development of their cognitive, intercultural and linguistic skills.

The more generally expected results for the Green Unit are:

This action will enhance the added value of the participants as they will have the opportunity to learn innovative and qualitative practices in the reintegration of patients, which will primary enhance the professional upgrading and secondary upgrading of their services in the MP. Through this practice, an exchange of specialized knowledge is expected to produce new knowledge (recognition of good practices) as well as transfer of knowledge among specialists.

In addition, participants are expected to cultivate social behaviors and intercultural skills in order to effectively cope with heterogeneous groups with multiculturalism, thus enhancing their adaptability.

Their European profile will be strengthened, the European citizen's conscience will be strengthened and their oral and written communication in English will be improved. In the long run, it is expected that services will be upgraded by using upgraded and more effective methods for the patient.

**Κωδικός** 2019-1-EL01-KA102-061719

**Τίτλος Σχεδίου** Κινητήρες Καύσης Φυσικού Αερίου Κίνησης (CNG)

**Συντονιστής** ΣΥΝΔΕΣΜΟΣ ΙΔΙΟΚΤΗΤΩΝ ΣΥΝΕΡΓΕΙΩΝ ΕΠΙΣΚΕΥΗΣ ΑΥΤΟΚΙΝΗΤΩΝ  
ΜΗΧΑΝΗΜΑΤΩΝ ΗΛΕΚΤΡΟΤΕΧΝΙΩΝ ΕΡΓΑΣΙΩΝ ΝΟΜΟΥ ΤΡΙΚΑΛΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Air pollution has been one of the most serious problems that modern societies are facing for decades. The largest proportion of then air pollution is due to human activities and, of course, motorization is a major part of them. Technological progress in the automotive sector is rapid and a large part of research in the field has focused on improving gas engines. Compressed natural gas (CNG) is considered the most economical alternative fuel. Its price is about 60% lower than gasoline, 30% lower than oil and about 40% lower compared to LPG.

In Greece, the legislation now permits both gasoline and diesel engines to be converted into dual-fuel gas and converted vehicles have been already on the roads with impressive results. Trends in the automotive market show that in the coming years the traffic will be driven by the use of modern CNG engines, creating needs for specialized services related to their conversion, repair and maintenance in the local car workshops. Our Association foreseeing the trends in the car industry and market and the consequent changes, submits this proposal, aiming both to fill the gap observed in training in modern gas engine issues but mainly to provide the necessary skills and knowledge to its members so that they become able to cope with these changes.

The mobility period is divided into **a)** theoretical training **b)** technical visits and **c)** practical training. The theoretical training will take place in the first three days at CEMEDI's premises by specialist scientists and automotive technicians. The technical visits will take place in the last days of the 1st week of training and will take place at the premises of the SEAT plant (production unit and R & D department). Practical training will take place in the 2nd week and will take place in authorized garages and automotive testing centers.

The purpose of the technical visits is to inform the trainees on the production, repair and maintenance of CNG engines and to gain experience in modern production and control units.



**Κωδικός** 2019-1-EL01-KA102-061734

**Τίτλος Σχεδίου** Ο Θεσμός της Μαθητείας (Δυϊκό Σύστημα Επαγγελματικής Εκπαίδευσης και Κατάρτισης) στη Γερμανία. Κατάρτιση και Παρακολούθηση Υλοποίησης από Εκπαιδευτικούς των ΕΠΑΛ

**Συντονιστής** 1<sup>ο</sup> ΕΡΓΑΣΤΗΡΙΑΚΟ ΚΕΝΤΡΟ ΒΟΛΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες


## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Upon completion of the move, there will be an evaluation of the program by the participants and the publication of results, observations and conclusions. The produced material will be gathered and the whole project plan will be publicized through various media and events throughout the educational and local community. From a successful implementation of the proposed project we expect the participants to acquire specialized knowledge and valuable experience on the implementation of the dual vocational education and training system, which will be used to improve the implementation of the apprenticeship institution in Greece, but also to formulate innovative proposals to the competent bodies in the direction of its development and optimization.

It will be useful to disseminate the results to the local educational community and business world as well as the whole community in general. The participants themselves are especially favored by the process as they add extra pedagogical and professional skills to their educational careers, acquire European consciousness and become assistants, as well as co-modifiers of innovations and good practices in education in general. Our organization, through this project, is developing and projecting as a pole of creation and progress in the region. The European, modern, "open" orientation of the public vocational education is reinforced, as well as international.

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It will be useful to disseminate the results to the educational community, the business world of our region and to the local community in general. The participants themselves are especially favored by the process as they add extra pedagogical and professional skills to their educational careers, acquire European consciousness and become assistants, as well as co-modifiers of innovations and good practices in education in general. Our organization, through this project, is developing and projecting as a pole of creation and progress in the region. The European, modern, "open" orientation of the public vocational education and cross-border partnerships is reinforced.



It is our ambition that, in the long run, the necessity of effectively implementing and developing the apprenticeship institution in Greece will be widely accepted. The graduates of EPAL will find more and more opportunities to start their professional career, vocational education will accomplish one more purpose, since the subjects taught to pupils will find their scope. Moreover, businesses will gain an additional ally in the development of their activities.

The success of the new institution of apprenticeship, which goes through its harmonization with the needs and requirements of the modern labor market in Greece and leads to a smoother integration of young people into the labor market and. In the long run, it will also help the fight against youth unemployment. All of the above are closely related with the proposed effective training of VET teachers in the country that gave birth to the institution. This is what we hope to achieve through this proposal.



**Κωδικός** 2019-1-EL01-KA102-061736

**Τίτλος Σχεδίου** Αξιοποίηση της Εμπειρίας των Γερμανικών Berufsschulen για τη Βελτίωση του Παραγόμενου Εκπαιδευτικού Έργου των Εργαστηριακών Κέντρων των ΕΠΑΛ

**Συντονιστής** ΕΚ ΧΑΛΚΙΔΑΣ (ΚΟΙΝΟΠΡΑΞΙΑ)

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

According to the strategy of the Greek Ministry of Education for quality improvement of the provided vocational education and training (VET), it is stated that “one of the main factors for the success of this strategy is ... the continuous upgrading of teachers’ knowledge and skills ... regarding pedagogy as well as training on their specific specialties, particularly for the laboratory classes”.

Consequently and in the framework of the improvement plans developed by the school units of our joint project, we have set the following goals for our program:

- Educators to be familiar with the working conditions of organizations accepting apprentices.
- Climate of trust and co-operation developed among our educators and the labor market.
- Wider knowledge and training of our educators, especially on laboratory courses.
- More attractive VET & certified graduates after 4 years in EPAL schools.
- Combating youth unemployment, reinforcing social cohesion and strengthening European identity.

The present short-term mobility of VET staff includes twenty (20) educators of laboratories for a 14-day training program. The participants are males and females working at the three largest VET laboratories of Central Greece (Sterea Ellada), i.e. seven educators from Chalkida, seven ones from Lamia and six ones from Thiva, according to the size of each secondary VET laboratory.

The planned activities aim at making the participants familiar with the German VET system (e.g. visit to BiBB) as well as at providing study visits to Berufsschulen and productive units participating in the dual system, based on the training practice of apprenticeship.

The expected results are largely identical to our above mention goals; however, we also hope that our publicity activities (info events, seminars/workshops, articles etc) will spread out the benefits of the project widely and will maximize the return of investment.

On a long-term basis, we strongly believe that our project will contribute significantly, at least within the region of Central Greece, to the realization of the vision of the “Bruges Communiqué”, ensuring that all VET learners are offered the highest quality courses so that VET is recognized as an effective way to improve educational and career prospects throughout EU.

**Κωδικός** 2019-1-EL01-KA102-061768

**Τίτλος Σχεδίου** Η Σημασία και τα Οφέλη του Coaching και Mentoring στην Εκπαίδευση

**Συντονιστής** ΕΠΑΛ ΠΥΛΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

A survey published by the National Research Foundation (NFER) and the Education and Development Agency for Schools (TDA) found that mentoring and coaching have a positive impact on individuals and organizations. Mentoring and coaching have been linked to a wide range of benefits for both staff and teachers, such as career development, increased self-confidence and increased sense of “belonging” to the school.

Our schools’ consortium, proposes the implementation of this project, in order to continue its effort to provide its teachers with all the skills required and achieve the best possible result regarding the educational process. Our teachers, unfortunately, do not have many opportunities to acquire high-level training in modern fields, as similar seminars are rarely implemented in our country, and they are usually undertaken by private bodies with little or no experience at all in coaching and mentoring in education.

The project will be attended by 25 teachers from the schools that constitute the consortium, with very good knowledge of the English language. The training will last 10 days and will take place at “Ithaca Academing Coaching and Mentoring” premises in London. The training is divided into the following categories:

1. Teaching in the classroom (theory)
2. Interactive sessions, group discussions and workshops
3. Educational visits to schools, universities and other educational institutions in London
4. Presentation of coaching and mentoring programs

In addition, information about the host country’s educational system, the way it promotes innovative teaching, the goals that are being set and the results, are going to be presented to the trainees at the host’s premises. At the end of the training, the participating teachers will be able to:

- Recognize the benefits of coaching and mentoring in education for all involved (students, teachers, schools)
- Understand how coaching can support different learning strategies help the teacher develop and become more effective in class
- Use coaching and mentoring models in the classroom
- Develop skills, practices, tools and techniques in order to promote these coaching and mentoring models

- Acquire techniques and tools that will help them build self-confidence and self-esteem to their students
- Familiarize with practices, coaching and mentoring programs that already take place in the United Kingdom

The schools that constitute the consortium we expect that:

1. They will acquire the necessary know-how so that their human resources are full updated to the requirements of new developments.
2. They will be training centers for other teachers, applying innovative teaching methods and using coaching and mentoring in the educational process.
3. Improve their know-how they already possess to further engage with European projects.
4. Bridges of communication are going to be established between the host country and the schools, aiming at the continuous improvement of its infrastructure.
5. Their role at local and national level will be widely known.





**Κωδικός** 2019-1-EL01-KA102-061804

**Τίτλος Σχεδίου** Ρομποτική στην Εκπαίδευση

**Συντονιστής** 1<sup>ο</sup> ΕΡΓΑΣΤΗΡΙΑΚΟ ΚΕΝΤΡΟ ΧΙΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The program is entitled Robotics in Education and will take place in Prague of Czech Republic in November 4-11-2019. The 1st Ergastiriako Kentro of Chios is taking part as participation organization and the welcoming organization will be Anatolia Training and Consulting. The aim of the program is the better knowledge of robotics, how it can be implemented into education so as to be involved as an autonomous course but also as a cooperate part of other courses. Also, to see how robotics is included in the educational system of other European countries and how it is part of their curricula.

The main goal is to gain knowledge and through this procedure to raise their self-confidence but also to internationalize and boost the European dimension of school and the cross-cultural skills of the teachers.

The teachers that will participate are ten and belong to the fields of IT science and Electronic - Electrical engineering and they teach at the vocational education. They teach to students belonging to senior vocational high school and also to adult learners who take part in program of Mathiteia. Teachers are highly qualified and they believe that training for a teacher is a lifelong procedure. So with the partial introduction of robotics to the daily program and its obvious expanded use the teachers should extend their knowledge in this specific area in order to archive the best possible performance in the classroom.

The personal mobility will be realized to Prague of Czech Republic from 4 to 8 November 2019. The welcoming organization will be Anatolia Training and Consulting. The seminars will include training into robotics subjects, visiting companies and schools as well as cultural expeditions.

The training program will be based on educating in algorithm subjects, mechanical technical issues, innovating educational methods, visits in robotics companies and schools which already have introduced the robotics as a course in their curricula.

### *School benefits*

The experiences from the presentations of the educational programs will enrich the scientific background of the school members and will improve the methodologies of cooperation and implementation to all the educational school staff. Participants will increase their ability to bring about changes in both the modernization and the opening of the school to the ideas of the European Union, thus enhancing the importance of being a European citizen to their students.

All teachers of school will be briefed on the educational robotics practices and the ways in which they have been creatively integrated into curricula. They will be able to improve the quality and relevance of learning provision in the field of educational robotics through the redesign and improvement of existing courses and the development of new and innovative activities. They will also be able to look for a

European perspective by exploring possible partnerships at national and international level, given the existing interest in co-organizing relevant programs, as well as the continuation of the research and writing activity of its members.

### *Student benefits*

Taking into consideration the lack of specialized human scientific expertise worldwide in the STEM field, such programs will be able to make this profession familiar and attractive to more students, giving them another prospect of working in the global market. The website will include educational robotics projects held in the school with English translation in order to be accessible for a great amount of individuals or organizations globally inspiring those implanting same activities to their institutes. Transferring experience and knowledge from participating in such a program will certainly have a positive impact on a possible future participation of our students in programs implemented by the European Union.

In the long run, our school will be ready for a new era where robotics will be an essential element of education in the IT and electronics - electrical sectors. There will be know-how in creating inspiring robotic programs for our students and will also upraise the possibility of taking part in major robotics competitions.



**Κωδικός** 2019-1-EL01-KA102-061805

**Τίτλος Σχεδίου** Ευρωπαϊκές Πρακτικές στην Ανάπτυξη Βιώσιμων Ειδικοτήτων και Εναλλακτικών Μεθόδων Διδασκαλίας στην Επαγγελματική Εκπαίδευση

**Συντονιστής** ΕΣΠΕΡΙΝΟ ΕΠΑΛ ΞΑΝΘΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Είναι κοινή η πεποίθηση ότι ο στρατηγικός σχεδιασμός εκπαιδευτικών δομών και προγραμμάτων εκπαίδευσης, και δη της επαγγελματικής, θεωρούνται αναγκαία και επιβάλλεται να είναι εναρμονισμένα με τις σύγχρονες τάσεις της αγοράς εργασίας και τις τεχνολογικές ανάπτυξης. Τα ποιοτικά και ποσοτικά χαρακτηριστικά των μεταρρυθμίσεων και των διαρθρωτικών αλλαγών για να είναι αποτελεσματικά, θα πρέπει να έχουν ως τελικούς αποδέκτες τόσο τη μαθητική κοινότητα όσο και το ευρύτερο φάσμα την κοινωνίας αφού η μια είναι αντανάκλαση της άλλης. Δε χωρά αμφιβολία ότι η επαγγελματική εκπαίδευση μέσω της εξειδικευμένης παροχής γνώσης και δεξιοτήτων που παρέχει, σε ένα ευρύ φάσμα τεχνικών προγραμμάτων κατάρτισης, συμβάλλει σημαντικά τόσο στην τεχνική όσο κι οικονομική ανάπτυξη της περιοχής, αρκεί να είναι άρρηκτα συνδεδεμένη με την τοπική επιχειρηματική και βιομηχανική δραστηριότητα.

Για τον λόγο αυτό ο σχεδιασμός της επικείμενης δράσης κινητικότητας κείνται πάνω στους δύο βασικούς άξονες:

- Πρώτον τη διερεύνηση και κατανόηση των μηχανισμών και των κριτηρίων επιλογής των ειδικοτήτων λειτουργίας των επαγγελματικών σχολείων στις κατά τόπους περιοχές και πως η ίδια εκπαιδευτική κοινότητα μπορεί να επιδράσει σημαντικά σε αυτό ως συνδεδεμένος κρίκος μεταξύ της εφαρμοσμένης γνώσης και της αγοράς εργασίας.
- Δεύτερον τη διερεύνηση των μεθόδων και πρακτικών μετάδοσης της γνώσης, ώστε να μπορούν να προσαρμόζονται αφενός στις ιδιαιτερότητες διδασκαλίας της κάθε ειδικότητας και αφετέρου στις ιδιαιτερότητες μαθητικών ομάδων, με διαπολιτισμικά και κοινωνικά χαρακτηριστικά, όπως αυτών του σχολείου μας.

Η ίδια εμπειρία από ανάλογα προγράμματα κινητικότητας Erasmus+, Leonardo Da Vinci κ.α, και την διαρκή αμέριστη συμπαράσταση του ΙΚΥ, έχει επιδείξει με τον καλύτερο τρόπο, ότι η διαπολιτισμική επαφή, ανταλλαγή εμπειριών, πρακτικών και η χρήση των Ευρωπαϊκών στο σύνολο εργαλείων, που συνάγονται μέσα από αυτά, έχουν συμβάλλει και στηρίξει ουσιαστικά στην αναβάθμιση της επαγγελματικής κατάρτισης και εκπαίδευσης.

**Κωδικός** 2019-1-EL01-KA102-061891

**Τίτλος Σχεδίου** Ενδυνάμωση της Σχολικής Διοίκησης

**Συντονιστής** 2<sup>ο</sup> Ι.Ε.Κ. ΗΡΑΚΛΕΙΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Mobility Project “Empowering School Management” of the 2nd Vocational Training Institute of Heraklion aims at the development of its staff on professional, cultural and social level, while will upgrade the profile and capabilities of the Institute.

The main objectives of the project are presented on the selected programs which include improvement of an educational organization management, and quality management and evaluation of European programs. The third program focuses on the cultural aspect. The selection of host partners is based on their offered programs, their previous experience, the professionalism they show and their good reputation.

The project’s duration is 12 months and includes three mobility programs which are:

- Quality EU Project Management. Participants will be able to develop skills related to the design, management and evaluation of European projects, aiming at improving their quality.
- Improving School Management: from a Single Person to a Common Strategy. Participants will be able to upgrade their management skills and competences, enhance communication and collaboration skills, gain experience in strategic planning and increase awareness in human resource management.
- Reading the City. The program explores a number of aspects of cultural identity and heritage and provides participants with skills and resources which enable them to discover Europe through its cities and towns.

Each mobility program will involve two staff members who, acting as multipliers, will promote gained knowledge, skills and attitudes that will affect their colleagues and trainees as well as their local community and other educational units.

The project includes three phases:

1. Preparation phase: includes the actions and arrangements of the details of the mobility activity and the preparation of the participants
2. Implementation phase: includes the implementation of the mobility program, and
3. Evaluation and dissemination phase: includes the dissemination and multiplication actions of the acquired knowledge and skills as well as the project evaluation.

The Institute will benefit by improving its management and services by enriching knowledge and skills and by adopting good practices and innovative methods. At the same time, the quality of Education and Training services offered as well as the professional enhancement of the staff will be improved. The profile and attractiveness of the Institute as well as the chances for cooperation with local and international institutions will also be upgraded.

In conclusion, it is wise to point out that the benefits and impact to the Institute will be positive and in many levels as the European Development Plan will serve to meet the identified needs by pointing out its future development.

**Κωδικός** 2019-1-EL01-KA102-061973

**Τίτλος Σχεδίου** Χρήση Tablets στην Εκπαίδευση για την Ενίσχυση Μαθητών με Ειδικές Εκπαιδευτικές Ανάγκες

**Συντονιστής** ΕΝΙΑΙΟ ΕΙΔΙΚΟ ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΓΥΜΝΑΣΙΟ - ΛΥΚΕΙΟ ΠΑΤΡΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

### *Program Plan Framework*

The Unified Special Vocational High School and Lyceum of Patras aims to integrate Information and Communication Technologies (ICT) in the learning and educational process. In particular, with the Mobility Plan titled "Using Tablets in Education for the Enhancement of Students with Special Educational Needs", desires to train his teaching staff on the methodology and implementation of digital lessons in classroom for all area of expertise.

### *Objectives*

The objectives of the program are:

- (1) Improving skills of teachers in digital technology
- (2) Acquire knowledge of design and development of educational scenarios using tablets
- (3) Taking information on how to implement digital lessons within Individualized Educational Program (SPD) concept
- (4) Enhancement of personal development and educational aptitude
- (5) Technology Transfer of know-how and good practices to our country
- (6) Enlargement of European culture


### *Number And Profile Of Participants*

Within the framework of the mobility, seven (7) teachers of the Unified Special Vocational High School and Lyceum of Patras participate. The main target group is the teachers of the Special Secondary Professional High School of Patras, one of each specialty and one of the specialists with higher formal qualifications but without previous training in the use of electronic tablets for the creation of digital lessons. Also, all teachers have sufficient skills in new technologies, at least English B2 level, social skills and at least ten years of teaching experience.

### *Description Of Programmed Activities*

Mobility is 7 days (5 days training and 2 days travel).





To help our teachers achieve their goals, we chose a dynamic and specialized organization, EUROPEAN TRAINING PARTNER SL based in Cordoba, Spain, with years of experience in similar subjects combining technological and educational competence. The TEIM has designed a full training πρόγραμμα with tablet-based seminars to create digital lessons enriched with day-to-day study visits to schools and education and employment education institutions for people with Special Educational Needs who apply similar techniques.

### ***Expected Results***

- (1) Increasing students' interest in the educational process through digital technology and creating incentives for more active participation in it
- (2) Enhance students' perceptual ability and shield their expression and communication
- (3) Incorporating tablet use to support language teaching and learning as a result of increasing linguistic diversity in schools
- (4) Creating a climate of co-operation and encouraging initiatives with their peers
- (5) Improving the self-image of our students, thus stimulating their self-confidence and psychological enhancement
- (6) To gain more knowledge and experience

### ***Long-Term Benefits***

The long-term benefits our organization expects to focus on the following points:

- (1) Development and validation of ICT skills and competences
- (2) Increasing the motivation for active participation of students in the educational process through the use of attractive teaching methods using Tablets across the range of learning objects
- (3) Creation of a framework to increase our students' future employment opportunities.
- (4) Development and validation of skills and competences of specialized educational staff
- (5) Developing our organization's partnerships with future partners, increasing extroversion and activation for future participations in similar programs

### ***Programm Deliverables***

- DEVELOPMENT OF GUIDE FOR DIGITAL LESSONS USING TABLETS
- BLOG CREATION AND MAINTENANCE [PowerTABLETS]

### ***Partner***

EUROPEAN TRAINING PARTNER SL

**Κωδικός** 2019-1-EL01-KA102-061993

**Τίτλος Σχεδίου** Συνεργασία Επαγγελματικής Εκπαίδευσης και Κατάρτισης Μεταξύ Αστυνομιών Ελλάδας και Γαλλίας

**Συντονιστής** ΕΛΛΗΝΙΚΗ ΑΣΤΥΝΟΜΙΑ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

ERASMUS+ is a Program that supports all educational structures in Greece through programs with a wide range of training. Hellenic Police with a developed network of higher education and post-secondary education structures has as a general purpose the continuous and lifelong learning of its executives. The Hellenic Police, setting out its future strategy, prepares the Strategic & Operational Program 2020-2024 (SEPEA) under the supervision of the Central Steering Committee (KESO) and the Standing Programming, Implementation and Monitoring Committees (DESYPEP).

The vision of the SEPEA is to achieve optimal and cost-effective results in providing quality and efficient security and protection services for citizens, while the main goal is to educate and train staff in adopting international and European standards regarding technological and operational developments in police items.

It was therefore considered appropriate in co-operation with the French Police to train the members of KESO, who are also Presidents of DESYPEP and senior officers of the Headquarters of the Hellenic Police Force on matters of policing, traffic police, education, security, terrorism, cyber crime etc and in particular through job shadowing in control centers, laboratories, through presentations of services, policing models, through round table discussions, in-house discussions between heads of similar services for exchange of views, development of a spirit of future good cooperation.

DESYPEP's main mission is to promote well-documented technical, legislative and organizational projects, and for that reason it is necessary to enrich their knowledge and professional skills with the exchange of know-how and experience with a corresponding European Police.

Undoubtedly, the French Police, with the prestige, the plots and the variety of events that it is called upon to face, is organized and equipped with state-of-the-art technologies, and also uses policing models that aim at providing quality and efficient services to the citizens. The cooperation agreement concluded between the two countries on security issues describes the possibility of educational co-operation. This specific mobility activity anticipates the future long-term cooperation of the Greek Police with French in order to open close channels of communication both in the operational part and with the exchange of know-how at national level.

**Κωδικός** 2019-1-EL01-KA102-062000

**Τίτλος Σχεδίου** Βιωματική Προσέγγιση του Νέου στην Ελλάδα Θεσμού της «Μαθητείας» στα ΕΠΑΛ Μέσω του «Διυικού Συστήματος» ΕΕΚ της Γερμανίας

**Συντονιστής** ΕΠΑΛ ΑΜΦΙΣΣΑΣ (ΚΟΙΝΟΠΡΑΞΙΑ)

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

In the context of this joint proposal, our purpose is to make Greek trainers and trainees of VET familiar with the training system of “apprenticeship” in EPAL (upper-secondary vocational schools); apprenticeship-type learning has been a successful practice in several European countries with low youth unemployment rates while it has been just recently introduced to the Greek education system. In accordance with the German “dual system”, as one part of the dual education course, students are trained in a company for four days a week; the other part of the dual education course involves lessons at a the EPAL for one day a week.

The project’s objectives coincide to a great extent with the expected results. To be more specific, we aim at creating educators who will be able to encourage and facilitate the trainees’ transition to real working life, at reinforcing the European identity of all beneficiaries, at importing good practices to the wider vocational school community and finally at communicating the new knowledge to their colleagues working at EPAL.

The project will take place in Germany (Nordrhein-Westfalen) with twenty participants-educators from six EPALs of the region of Central Greece (one of them provides education to people with special needs) who are required to work with the newly introduced training system of “apprenticeship” just after only some of them have received a short, introductory, theoretical course. The planned activities include visits to educational authorities and on-site training to companies providing apprenticeship according to the dual system.

As already said, the ultimate beneficiaries of this project are our trainees and, if we manage through this project for training of EPAL trainers to facilitate the successful implementation of the “apprenticeship”, then we will have reinforced our trainees in their effort to find the proper job and to obtain a descent standard of leaving and thus our project will have produced the optimum long-term results.

<b>Κωδικός</b>	2019-1-EL01-KA102-062064
<b>Τίτλος Σχεδίου</b>	<b>Νέα Ανοικτή Παιδαγωγική – Παιδοκεντρική Προσέγγιση Επιμόρφωσης Πάνω Σε Σύγχρονες μεθόδους της Προσχολικής Αγωγής για την Ανάπτυξη Δεξιοτήτων των Παιδαγωγών Σε Ένα Ευρωπαϊκό Περιβάλλον</b>
<b>Συντονιστής</b>	ΔΗΜΟΤΙΚΟΣ ΟΡΓΑΝΙΣΜΟΣ ΠΡΟΣΧΟΛΙΚΗΣ ΑΓΩΓΗΣ ΦΡΟΝΤΙΔΑΣ ΚΑΙ ΜΑΖΙΚΗΣ ΑΘΛΗΣΗΣ ΗΡΑΚΛΕΙΟΥ
<b>Διάρκεια Σχεδίου</b>	12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The Municipal Organization Preschool Care Education and Mass Sports Heraklion DOPAFMAI is a public entity of the Municipality of Heraklion Crete is under the authority of 23 kindergartens of the Municipality and the mass sports.


At DOUPHMAI work a total of 250 people, 99 of them are educators. The pedagogical staffs are graduates of PE, ATEI, IEK, EPAL and work in a permanent employment relationship, as well as with Private Law of Permanent and Defined Time.

Purpose of the proposed project is the training Educators Preschool working in Primary Care Preschool Education Organization and Mass Sports of the Municipality of Heraklion on issues of modern educational systems focusing on gaining experience and knowledge with an interactive way.

As part of the proposed Mobility Plan, the Agency expects to deepen knowledge of the educational models applied in Europe, enabling teachers to learn different pedagogical methods and practices, adopt new pedagogical approaches and methods, and work with partners from other countries. A Project Team has been set up to implement and manage this program. The group is composed of the President of Kasotaki Maria Agency, Vrentzos Helen Head of Independent Financial Service Department which will take organizational and financial part of the program, the Spanaki Maria Head of Department Education, the Kozoroni Antonia Head Department of Preschool Education and Perdikis Eleni Head of the PSC KEPA, all with years of experience in the Organization.

Following the grant approval of the project and following the follow-up of the training, the following actions are planned: From September to March 2019, the following actions will be implemented:

- Dissemination of the project and its outcomes to the local press and other relevant media on educational websites.
- Issue 500 brochures and 50 posters with the emblem and the full name of the European Union.
- Creating a social networking page (Facebook) where activities will be posted and traffic will be measured.
- Creation of CD / DVDs from the seminar's activities according to the new pedagogical methods adopted by the program by the pedagogues.
- Play the CD / DVD and distribute it to the 23 DAY DOGS.



October - February 2020 Organization of five in-service seminars to disseminate the know-how gained from the mobility activity, namely:

1. Development of new teaching methods - new education plans according to Montessori, Reggio Emilia pedagogical approaches by Loris Malaguzzi, Steiner
2. Increase access to modern learning tools (interactive learning)
3. Introduction of Art as an Approach to Learning (Bruno Munari)
4. Introduction to alternative educational environments according to the alternative Catalan non-guided training
4. Introduction to the application of positive education and positive psychology
5. Presentation of the project and knowledge, following a thought-planning process that will be gained from attending the seminar.

Conducting a Workshop to present the results of the project and disseminate know-how. The workshop will be addressed to Education Bodies, Teachers, Teachers and Citizens. The expected results are the development of skills and capacities to analyze and design alternative educational activities in 7 Educators Higher Education (PE) with a permanent employment relationship and Indefinite, in 22 Educators Technological Education (TE) with Permanent employment relationship and Indefinite, in 23 Educators technical Education (TE) with temporary work relationship 25 Assistants Educators Secondary (EPAL, IEK) with a permanent working relationship Indefinite and 24 benefiting children Secondary Education Courses (EPAL, IEK) with a fixed-term working relationship. A total of 99 Teachers will be trained from in-house seminars.

Through partnership and collaboration in the program, participants will develop the capacity for collaborative work and exchange of information. Perhaps long-term benefits are to make as much knowledge as possible learning outcomes achieved through this mobility plan, develop cooperation between the Organization and other relevant organizations in Crete with a view to disseminating and disseminating the knowledge and experience gained.



**Κωδικός** 2019-1-EL01-KA102-062121

**Τίτλος Σχεδίου** INeA: Innovative Pathways for Agroalimentary Products of Chania

**Συντονιστής** ΕΤΑΙΡΙΑ ΑΝΑΠΤΥΞΗΣ ΧΑΝΙΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Agri-food companies' member of ETAN, the developmental company of the chamber of Chania faces many challenges, mainly due to the constantly changing and highly competitive economic environment. The main goal since its creation is to revitalize Cretan production in the agri-food sector by promoting the value of the Cretan diet and shifting to branded high-quality products. In particular, it aims at enhancing the production standard through the adoption of innovative promotional practices for the brand name and fortification of the brand name "CRETE".

Following the analysis of the capacity profile of the members of the Agribusiness agri-food enterprises, and taking into account the training opportunities, it was decided to develop a transnational mobility action of 30 participants with specializations in the branding and promotion of olive oil, dairy and cheese products, and fruit and vegetable products. The objective is to upgrade their skills and knowledge, in terms of highlighting the quality characteristics and establishing and marketing strategies for the Cretan rural products. Participants, after completing their training, will in turn train staff of the same specialty in the member companies of the Partnership.

In particular, the objectives of the Brand Name Kriti program are to improve the skills, experience and knowledge of the participants so that they can understand the importance of branding and quality certification of agricultural products on German markets, in order to achieve the promotion, promotion, and introduction of the specific branded products "CRETE" in the German market. Participants at the end of transnational training will train executives of related disciplines in their businesses.

The program is expected to contribute to the upgrading of their professional knowledge in the field of certification of agricultural products, branding and promotion strategies, thus improving their professional position. In the long run, it is expected to contribute to the revitalization of Crete's agri-food sector by promoting the value of the Cretan diet, shifting to branded high-quality products and boosting exports.

**Κωδικός** 2019-1-EL01-KA102-062132

**Τίτλος Σχεδίου** Απόκτηση Επαγγελματικής Εμπειρίας Σε Σύγχρονα Επαγγελματικά Περιβάλλοντα στην Ευρώπη

**Συντονιστής** 2<sup>ο</sup> ΕΠΑΛ ΝΕΑΣ ΙΩΝΙΑΣ ΒΟΛΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The aim of this mobility is to acquire knowledge and skills from our school students during a 2-week internship. At the same time, students will have the opportunity to move and act in a European work environment, full of new challenges and opportunities to strengthen their self-confidence and at the same time their cognitive and psycho-emotional maturation.

According to our project twelve (12) students of the 3rd (3rd) Lyceum from the specialties: **a)** Technician of Electronic and Computer Systems, Installations, Networks and Telecommunications, **b)** Technician of Electrical Systems, Installations and Networks, and **c)** Informatics are going to be sent for training in workplaces corresponding to their specialties in the Potenza area in Italy.

Of course, the objectives of the project are multiple, since the respective experiences do not represent a simple professional experience, but they improve the employment opportunities and the career prospects, having gained the relevant experience abroad. Improvements in their learning performance are also expected after the new knowledge and skills gained from the internship and the increased responsibilities they have undertaken. The latter will have a positive impact on improving self-esteem, intercultural awareness and knowledge of the European venture. Finally, they are expected to improve their communication and language skills.

At the same time, the 2nd EPA of N. Ionia Volou is expected to benefit directly from the participation of his students in mobility because by disseminating the results to the other students they will be interested in participating in future programs and also to incorporate good-practices that will "Already teach" the participants. In this way Vocational Education and Training becomes more attractive for students. Moreover, the approach of innovative themes and activities such as this mobility increases the trainees' interest and improves the quality of the training provided due to the expected transfer of know-how from the benefiting students.

**Κωδικός** 2019-1-EL01-KA102-062135

**Τίτλος Σχεδίου** Νέες Τάσεις στην Επαγγελματική Κατάρτιση

**Συντονιστής** ΔΙΕΚ ΑΓΡΙΝΙΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The Public Vocational Training Institute (DIEK) of Agrinio is striving in the new era after the new Operation Regulation of the INEDIVIM to promote its European modernization. DIEK aims to contribute to the achievement of objectives such as promoting innovation and creativity in the training provided by fostering an international opening and mobility of trainers and trainees. The aim of the proposed project is to draw up a number of trainees of the DIEK on subjects related to the modern visions and the European operation of Vocational Training Institutes.

This project is the start of a qualitative development of our organization in a European vocational training environment where international co-operation is necessary for national education systems to achieve their goals. Students' experiences will be useful in improving teaching methods, training environments, integrating other trainers and trainees of our organization into European activities, and redefining pedagogical and organizational goals in future mobility programs.

Through this project trainees will have the opportunity to practice their knowledge of the English language and will provide an incentive to learn more foreign languages as long as language training is now the passport of the internationalized labor market and the opportunity to come in contact with different places of training and work. At this point, it should be noted that the program will be implemented in two flows, within a period of 6 months, which is sufficient and necessary to meet the participants' educational needs and at the same time to strengthen the intercultural characteristics of the program.

More specifically two flows will be made to the Athena educational institution in Bucharest. The first flow concerns the training of 18 trainees of the specialty "CHILDREN CARERS" in the special education units of Bucharest. This will give the trainees the opportunity to learn new elements of pedagogy and special education applied by the Romanian educational system.

In addition, they will exchange ideas and working methods with the trainees there, discovering the diversity of the development of special education in Romanian education. The second flow will be an important tool for the 18 TRAINERS of WEB DESIGNER-DEVELOPER / VIDEO GAMES TECHNIQUES who will be trained in multinational enterprises with high know-how and expertise. In addition, they will acquire a personal opinion about new technologies, as long as the internship is implemented in a country with a high development index of new technologies.

Therefore, such training experiences for students of the DIEK mean remarkable professional development and high added value for the DIEK as a whole. As a result, the trainees who will participate will at the same time be multipliers of a unique experience that will help to upgrade the training of DIEK Agrinio. Finally, the internationalization of the school will reinforce our organization's efforts to enter into agreements and partnerships with other actors by implementing innovative programs and actions. The results of our quality educational project and the results of our Action Plan will be disseminated to the wider society with a set of tools and activities. The organization will organize seminars and training seminars for trainers, the writing of relevant articles and announcements on the school's website, in the local newspaper, as well as in educational magazines.

Κωδικός 2019-1-EL01-KA102-062137

Τίτλος Σχεδίου Η Τέχνη της Φωτογραφίας: Εξειδίκευση στην Αρχιτεκτονική Φωτογραφία

Συντονιστής ΚΕΝΤΡΟ ΕΠΑΓΓΕΛΜΑΤΙΚΗΣ ΚΑΤΑΡΤΙΣΗΣ ΓΕΝΙΚΗΣ ΣΥΝΟΜΟΣΠΟΝΔΙΑΣ  
ΕΠΑΓΓΕΛΜΑΤΙΩΝ ΒΙΟΤΕΧΝΩΝ ΕΜΠΟΡΩΝ ΕΛΛΑΔΑΣ

Διάρκεια Σχεδίου 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Both the photographer and the camera operator are two of the most creative professions which allow not only the entrepreneurial pursuit but also the development of the talent and the personal concerns. Each photograph reflects the photographer's whole set of values and ideas, and it can provide new ways of perceiving what is happening in a particular historical, social and economic environment. By this meaning, Architectural photography is not only a simple photography.

A building can seemingly be modest and monotonous but it can be improved through personal additions which indicate the human existence. These additions which can be either ornaments or practices are based on the one hand on the change of architecture over the years and on the other on the adaptation according to personal human needs. Therefore, human influence plays a significant role to architecture. Architecture itself is an art with plasticity which is exquisitely portrayed in the photo. Architectural photography by combining architecture and photography, the elements of each art intertwine and create a unique result. In conclusion, photography has the nature to impress "what has been done" by freezing the image and all this procedure passes to the architectural creation. Consequently, Architecture achieves the permanence in time and in memory through photography.

Barcelona is a very beautiful city which is linked with the artistic tradition of the wider Catalan region. This tradition has been expressed in all Arts but mostly it provides architecture with the works of Antoni Gaudí and others who changed the urban landscape of the Catalan cities. This tradition has prompted KEK GSEVEE to choose the particular city for the implementation of the specific mobility action.

The main objective of this action is the further specialization for both photographers and camera operators, who want to broaden the limits of their creativeness in the field of professional photography and more specifically in architectural photography. Secondly, it is important for them to acquire new knowledge, skills and competences that will enable them **a)** to understand the new trends in their profession, **b)** to be more competitive, **c)** to minimize the chances of closing down their business or losing their job and **d)** to manage their most demanding customer, while the result of their work will be characterized by originality, high aesthetics and artistic creation.

**Κωδικός** 2019-1-EL01-KA102-062141

**Τίτλος Σχεδίου** Ψηφιακή Γεωργία: Ένας Καινοτόμος Τρόπος Αγροτικής Παραγωγής

**Συντονιστής** 1<sup>ο</sup> ΕΚ ΓΙΑΝΝΙΤΣΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The 1st Laboratory Center of Giannitsa is a vocational educational institution, which supports laboratory students of the 1st, 2nd, and Evening Vocational High Schools and of an institute of vocational training and is the only one in a large provincial municipality of 70,000 inhabitants. The main priorities of the school are:

- Improving the quality of the education provided
- The provision of modern technical knowledge and training
- Preparing students to further study and work in a flexible environment that extends across Europe
- Introducing innovations in the local community
- Strengthening its European orientation


The present project concerns the training of students of the sectors Agriculture, Food & Environment, Informatics and Electronics, Electronic & Automation in Digital Agriculture. Digital Agriculture is the use of technology in the agricultural production process. It promises cost reduction, increased production and more effective risk management. New technologies, however, are not enough on their own, if those who are engaged in agricultural production do not know them and if those who are aware of them do not know their fields of application. Co-operation of the above sectors is required to ensure that agricultural processes and assistive technologies are harmonized in a cost-effective manner. Incorporating more specialties, we simulate the conditions of the real economy.

The objectives of the project are set for students as a whole and for each sector separately. According to the daily program, each sector will approach the subject of training both holistically and from its own point of view. The general objectives of the program are, among other things, students to:

- Study digital farming technologies
- Realize the need for co-operation of the three different sectors
- Consider that the structure of agriculture will change drastically and invest in new knowledge to become competitive
- Find that they are able to continue their studies or work professionally in this area, at their country and across Europe.

The host organization, MOVEU PROFESSIONAL SERVICES S.L, is a private organization specializing in the implementation of European programs based in Barcelona. Climate conditions and crops in Spain are similar to the Greek ones. But while our country is now entering the digital age, Spain has already developed know-how in the field of digital agriculture.





Training content includes, inter alia, analysis of basic technology and tools used by digital agriculture (Positioning Systems, Geographic Information Systems (GIS), Performance Monitoring Systems, Crop and Soil Sensors, Automated Navigation Systems), cost-benefit analysis of digital agriculture, study visits, application laboratories for cotton and peach cultures.

The impact of the program will have multiple recipients such as students and sending and host organizations. It is expected that the transfer and implementation, by the participants, of the knowledge gained in the program, will upgrade local agricultural production and strengthen the local labor market with specialized staff.

***So students are expected to:***

- improve their professional profile and enrich their professional skills through their contact with innovative technologies
- enhance their employability by being trained in real professional environments
- understand the importance of lifelong learning
- acquire useful knowledge and transversal skills
- create an identity of a European citizen
- exercise the speech of the English language

***The expected impact on our organization is summarized as follows:***

- to upgrade its European profile
- to expand the network of partner organizations abroad
- to upgrade the educational work provided, will reduce school leakage
- to enhance teachers' interest in European programs

***Respectively, the impact on the host organization, in addition to the obvious economic benefit, is identified:***

- in increasing his professional profile
- in the enrichment of the training programs provided with this innovative project

***The results of the program will be disseminated in the following ways:***

- Organizing a Dissemination Day
- Creating a Facebook, Instagram, twitter page with program-related posts
- Create, in Pinterest, a group board where all participants will add content
- Create a YouTube channel to view relevant videos
- Create a website for the program
- Post the program on the school website
- Use online tool for group work (Wikispace or Padlet)
- Sending a press release to printed and online local media
- Promotion to the local TV station PELLA TV and to a local student radio station

**Κωδικός** 2019-1-EL01-KA102-062147

**Τίτλος Σχεδίου** Δράσεις Ποδηποθητισμικής Γαστρονομίας. Η Περίπτωση της Ισπανίας

**Συντονιστής** ΔΙΕΚ ΝΕΩΝ ΜΟΥΔΑΝΙΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The State Institute of Vocational Training (SIVT) of Nea Moudania has decided to participate in the mobility program for vocational education Erasmus+ with a view to upgrading the quality of the training it offers. Having noticed the benefits deriving from earlier participations of other SIVTs for both the institutes and their trainees, the SIVT of Nea Moudania wants, likewise, to implement an enhanced program of studies which will provide trainees with the opportunity to acquire all the skills necessary for their occupational success.

Participation in the program is expected to aid in the trainees' acquisition of new knowledge, as well as in their personal improvement in terms of attitude, conviction, behaviour, self-confidence boosting, linguistic and other skills enhancement, let alone the contact with another culture and way of life, which is inherently connected with the notion of better European citizenship awareness. Our institute's staff will, also, benefit greatly from this professional enhancement opportunity, as they will be able to observe good practices of linking training with the job market.

The program will be of 16-day duration and 16 trainees will participate in it, accompanied by 1 chaperone. The student (trainee) participants belong to the specialisation tracks of Bakery – Confectionery Products Technician (8 participants) and Cooking Art Technician – Chef (8 participants).

Our partner has worked out a daily program which comprises occupational practice in trade-related businesses in the morning (09:00-14:00), as well as trainee attendance of seminars, guided tours and visits to other towns. The SIVT anticipates that the cost of these outlined needs will be covered and aspires that this program participation will have a multiple positive impact on the participating students, the Institute (SIVT) and the local community alike. It is, also, underlined that a beneficial effect is expected in terms of European orientation policy design.

**Κωδικός** 2019-1-EL01-KA102-062148

**Τίτλος Σχεδίου** Ηλεκτροκίνηση: Νέες Δεξιότητες και Εκπαιδευτικό Υλικό

**Συντονιστής** 1<sup>ο</sup> ΕΚ ΛΑΡΙΣΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The automotive industry has always been an area of continuous and fast technological development. This always required long lasting and sustained knowledge updating -training- study by the professionals and therefore by VET students, trainees and trainers. The present project focuses on the professional field of electric motor vehicles in the automotive industry, a technological trend that is increasing exponentially due to global and European policies to reduce vehicle-emitted pollutants.

The intention of the 1st Vocational Center of Larissa is to initiate 15 students who are studying to be "Vehicles Technicians" and "Technicians of Electrical Systems and Network Installations" in a 14 days training program along with a 6 days training program of 8 teachers of Mechanical and Electrical Engineering, on "Electric vehicles: New Skills and Educational material".

The objectives of the student mobility activity are to develop their knowledge and skills in hybrid / electric vehicles, power charging and storage technologies, charging infrastructure and charging technology, improve learners' curriculum for better work and career development, and develop social skills and professional behavior in another European country.

The objectives of teacher training are to enhance their professional development, improve their educational skills, develop an updated curriculum and write simple and modern training exercises for training courses.

As learning results we expect the students to recognize different types of electric and hybrid vehicles, charging methods for hybrid and electric cars (plug-in and induction charge), recognize the new technologies of electric power storage, measure the capacity / condition of electric storage devices, to interact with professionals in the same area, to develop professional behavior in contemporaneous European working sites, to improve language skills in English and partly in Spanish, and to explore the possibilities for professional development that their profession offers in a modern European environment.

Following the implementation of the mobility, the participating teachers will design eight (8) training exercises (one exercise per participant teacher) in hybrid and electric vehicles; electric power storage and storage technologies and they will seek to act as multipliers for colleagues of their own and other VET schools.

Our expectation of the plan is to obtain a significant impact on the image and role of the school in the local society. Through the dissemination of the project, we expect the school and its role to be featured in the local community by making it more attractive to prospective students. The level of vocational training offered in the fields of Mechanical and Electrical Engineering will be upgraded significantly. The curricula of the students and their teachers will be enhanced and the educational program will be linked to modern technological developments and market requirements. We also expect to expand our network of European partners and gain experience in managing European programs. As an ultimate aim, we would like to be a trustworthy future partner in Erasmus mobility networks and acquire Erasmus mobility map.

Various actions such as publications on the school's website, the Secondary Education website of Larissa and the local press will follow for dissemination of the project. Students and teachers will be interviewed to local radio stations.

**Κωδικός** 2019-1-EL01-KA102-062151

**Τίτλος Σχεδίου** Mobile Apps Development and Digital Marketing

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΛΥΚΕΙΟ ΚΑΛΑΜΠΑΚΑΣ

**Διάρκεια Σχεδίου** 15 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

In this proposal we are planning activities aiming at the education and training of our students in foreign countries in order to approach the international standards that exist in the European countries and have not been developed in Greece. Such activities become particularly important because they are not very common due to the limited opportunities in the more distant urban areas. The aim of the program is to provide the participants with the most up-to-date know-how on the subjects of digital marketing and mobile application development.

Twenty eight students from the sectors of Economics and Administration and Informatics of the 1st EPAL of Kalampaka will participate in the two flows of our project. These students are boys and girls aged 15-19 and many of them come from the surrounding rural area and therefore are deprived of the performances and opportunities of high school students in the urban areas.

### *The objectives of the project are the participants to:*

- enhance their knowledge of the latest developments in the field of digital marketing and application development for mobile devices
- design and implement mobile marketing campaigns to maximize the consumer's tendency to trade through portable devices
- understand and apply the basic principles of different mobile application development methodologies
- use the Android Studio application development environment to build Android apps
- transfer good practices that dominate in the host countries in the field of digital marketing and mobile application development in our country
- claim a job in the labor market, despite the ever-growing negative climate due to economic problems and unemployment
- Be aware of the international economic environment and the ways in which businesses are integrated into and operate
- improve their language skills

### *The expected results for the participants are:*

- getting acquainted with the latest developments in the field of Digital Marketing
- the implementation of practical methods of effective customer approach through digital marketing
- analyzing the basic steps of a Mobile Marketing campaign

- understand the benefits of displaying and advertising products through mobile devices and the benefits of traditional advertising channels.
- the acquisition of specialized knowledge and skills by students in the field of mobile and tablet programming and in the development of applications
- introduction to the Android Studio software development environment
- establishment of relationships and international contacts and possible subsequent professional partnerships
- developing the socialization of the participants

In the long run, we believe that the 1o EPAL of Kalambaka will acquire the background for the preparation of other programs of this type, giving the opportunity to training to other students as well as establishing channels of communication with organizations and companies abroad.





**Κωδικός** 2019-1-EL01-KA102-062152

**Τίτλος Σχεδίου** Ανάπτυξη Δεξιοτήτων Σε Καινοτόμες Τεχνικές στην Τεχνολογία Ενδύματος και Υποδήματος: Σύγχρονες Βιοϊατρικές Μέθοδοι και Τεχνολογία στη Διάγνωση Νοσημάτων

**Συντονιστής** ΔΙΕΚ ΕΛΛΗΝΙΚΟΥ-ΑΡΓΥΡΟΥΠΟΛΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The Public IEK Elliniko - Argyroupoli expects to implement a European Mobility Plan entitled “Development of skills in innovative techniques in Clothing and Footwear Technology - Modern Biomedical Methods and Technology in Disease Diagnosis”, which includes two flows.


The first concerns the training of students of the specialty “Technician of Clothing and Footwear Technology - Fashion Designer” and the second of the specialty “Assistant of Medical Laboratories”.

### *The objectives of the project are:*

- Supporting participants in training and continuing training activities for the acquisition and use of knowledge, skills and qualifications that facilitate personal development, employability and participation in the European labor market.
- Improving the quality and quantitative increase of cooperation between Foundations, Organizations and Businesses providing learning opportunities, social partners and other relevant actors across Europe.
- Improving the transparency and recognition of formal qualifications and competences, including those acquired through non-formal and informal learning.
- Encouraging the learning of foreign languages.
- Achieving a combination of knowledge and professionalism with culture that must be in the service of man.
- Acquisition of a European and international dimension and identity of the Agency (D.IEK).

The first stream will be attended by 14 trainees aged 19-35. Considering that Italy is the Mecca of clothing in the world, participants will be able to get in touch with large but also local clothing and footwear manufacturers. They will learn how to produce, choose designs and colors, the Italian pattern, use new materials with the combination of fabric and technology, while at the footwear level they will find out how quality leather control, handmade footwear and mass production are made. They will also understand through seminars and interactive visits the connection of cultures to fashion, its techniques and the impact of tourism. They will see the professionalism of the region’s companies.

With reference to the second flow, 14 trainees, aged 19-35, will participate. It enables the participants in the Bucharest Medical Laboratories and Hospitals who are active in research and specialized analyses to get acquainted with the new applications in Molecular Biology in Hematology and Genetics. At



the same time they will be informed about the position and contribution of new sciences in the field of medicine, such as Biotechnology, Bioinformatics, Bioethics.

Finally, participants will be given the opportunity to meet physicians and professionals who work in their field with the expected interactions and to learn about the training system concerning their specialty in the host country.

The project will be carried out by carrying out professional and cultural visits, seminars and interactive meetings with the possibility of exchanging views and acquiring knowledge and familiarity with the English language and the languages of the host countries.

Many benefits are expected by the implementation of the project titled: "Development of skills in innovative techniques in Clothing and Footwear Technology - Modern Biomedical Methods and Technology in Disease Diagnosis". Acquiring experience, new knowledge on a comparative level, acquaintance with the "other" and "different" will lead to greater professionalism and greater employment opportunities within the European area.

The expected impact will be at local, regional, national and European level, as their horizons will be broaden , more professional and linguistic skills will be acquired, claiming the status of a qualified professional. After the completion of the mobility project, an evaluation will be carried out on the objectives and the expected learning outcomes of the project.

**Κωδικός** 2019-1-EL01-KA102-062154

**Τίτλος Σχεδίου** Μαθητευόμενοι και Εκπαιδευτικοί: Κατάρτιση και Επαγγελματική Εξέλιξη στην Ευρώπη του 2019

**Συντονιστής** 2<sup>ο</sup> ΕΣΠΕΡΙΝΟ ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΛΥΚΕΙΟ ΠΕΙΡΑΙΑ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Our organization, 2 ESP EPAL PERAIA, is a school that provides education in several professional and technical sectors, with the majority of our learners being adult and in search of employment or change of career orientation. We wish to continue our European route during 2019 pointing on improving the skills of our learners and staff in order to reduce school failure rates, increase cooperation in the school community, provide innovative training skills, upgrade the professional profile of all involved and to establish communication and cooperation networks within the European professional and educational environment. This project includes two flows of mobility, one for the learners and one for the staff.

The 12 learners of the Applied Arts Department and the Specialty of Design and Garment Production, accompanied by 2 teachers, will attend the program "Tailoring and Fashion Design in Milan" in Italy, for a 16 days' period, structured according to their training needs in cooperation with the hosting partner organization "MAD for Europe", on the fields of garment design and manufacture and on business developed by the Italian industry in this field, which traditionally holds the scepter of both innovation and tradition in fashion. They will visit a variety of business locations, where they will have the chance of job shadowing, attending seminars from experts in recognized schools/institutes of fashion and practicing in workshops on their fields of expertise.

The program also includes historical and cultural tours for the contact with the civilization of the hosting country and for the enrichment of trainees' aesthetics, as well as for the reinforcement of the European identity through the understanding of the common ties throughout the European History.

Staff mobility concerns the follow-up of the training course on counseling as a technique to improve the school climate, strengthen interpersonal bonds and help students in learning and fulfilling personal needs. The necessity for training on this specific field resulted from the introduction of the innovative institution of the teacher - consultant in the Secondary Vocational Education by the Ministry of Education, Research and Religious Affairs during the current school year and the expressed difficulty of our teachers in taking on this new role for which they lack theoretical knowledge and expertise. Six of our school teachers will attend the 5-day "Narrative Coaching and Guidance" course, which will take place in Linz - Austria, and is organized by the hosting partner organization "In Dialogue Netherlands".

The course includes a series of lessons on narrative coaching, on the specific techniques being used, and on its usefulness as a tool for resolving conflicts and recreating personal identity for self-improvement and encouragement. Narrative coaching is considered one of the most suitable methods for application in the school environment. Participants will also benefit from the externalization and sharing their personal experience through group discussions.

The results we expect at the end of the mobility are for our learners to acquire knowledge and develop new skills on their field of expertise, entrepreneurial training in the fashion industry and its new technologies, improve their English language skills, enhance social skills, such as communication and collaboration, be encouraged to complete their studies and upgrade their professional profiles, which will facilitate the realization of their prospects for employment and networking at European level.

For our teachers, we expect them to be trained for the role of the teacher-consultant and to acquire the tools of counseling so they will be able to assume this role and help our learners to face their problems and in result to contribute to the improvement of the school climate and effectiveness. Through the contact with other participating teachers from other European countries, they will exchange experience and enrich their knowledge of the European educational process.

The potential long-term benefit we aim at through actions of dissemination and diffusion of the knowledge and experience gained is to have a multiplying positive effect on our organization. We hope that more and more of our teachers will be inspired by the positive results of the mobility and will design future mobility projects for the benefit of the school community and for the establishment of a European cooperation network.



**Κωδικός** 2019-1-EL01-KA102-062156

**Τίτλος Σχεδίου** Ενίσχυση Επαγγελματικών και Κοινωνικών Δεξιοτήτων Ενηλίκων

**Συντονιστής** ΔΙΕΚ ΙΩΑΝΝΙΝΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The current proposal aims at results which the participants could not obtain within Greece. The trainees 14+14+14 individuals of relevant specialties are of various ages, come from lower or middle class, they have no experience of travelling abroad but they speak English fluently. The maximum expertise a trainee can obtain out of the Greek vocational framework is either by joining a two year training program at a Vocational Training Institute (V.T.I) or joining a short-term course. The goal is for the trainees to acquire knowledge, abilities and capacities in their field throughout a project which is not offered in Greece.

The program is thorough and realistic. All the activities described in the program are totally relevant to the characteristics of the specialties and necessary to acquire specialization in each field. The suggested methodology seems to be optimal as it is not possible to cover within a period of two weeks all the activities that were requested by the participants solely through lab work. Thus they were combined with theoretical seminars, work practice and technical visits. This way the students will have the opportunity to see how a professional workspace operates abroad.


The certification chosen (Europass Mobility) is recognized throughout Europe and the holder of this certificate can apply for work in Greece or in any other country of Europe since it includes in detail all the activities taken place during the project in Greek and in English.

The partners have specific roles which are thoroughly mentioned in the proposal such as the preparation and approval of the training program, the choice of the work-seminar facilities, the technical/professional visits, the cultural activities, the monitoring of the training program and emergencies are to be covered by both partners.

As far as the accommodation, the meals and the internal transport are concerned, the Hosting Partner acts only as a consultant. The Sending Partner takes care of the aforementioned responsibilities. The V.T.I of Ioannina will take care of the tickets, the trainees insurance, and their transfer from and to the airport or port. Evaluation is effected by both partners with the implementation of special tools and practices. Certificates are issued by the Hosting Partner who will also contribute to the issuance of the Europass mobility certificate. Each partner completes the final report and fills in the part that concerns them in the ECAS. The hosting partner provides for the issue of all the invoices needed to validate an expense. Matters regarding visas, new type passports for the Albanian citizen participants or new type ID for the Greek participants will be undertaken by the sending partner.

An intermediate evaluation will take place at the end of the first week and a final one at the end of the whole project by the Sending Partner Regarding the aforementioned evaluations a questionnaire with open and close type questions covering the goals of the project but also secondary information such as accommodation and nutrition will be distributed to the trainees. The questionnaire results will be dis-





cussed between the participants and the Director and they will be uploaded in the Institution's website along with photos and the project resume in Greek and English.

At the same time they will be acknowledged to the Hosting Partner and posted on the Institution notice board. In the annual final ceremony organized by the V.T.I the results will be presented to all the trainees, the instructors, members of the supervising carrier of V.T.I and the municipality. The participants themselves will inform the audience about the project experience. In cooperation with the graphic design class they will prepare an advertising poster about the ceremony along with the information and photographic material.

Concisely the project will contribute to the augment of entrepreneurship since some of the trainees want to start their own business, multilingualism, the use of communication technologies, the understanding of the Greek and European dimension, the decrease of unemployment, the increase of know how in the respective fields, the synergy with carriers, employment access in Europe and the extroversion of the V.T.I. Ultimately it is important to state that the specialties of Culinary Arts and Bakery have won significant distinctions in contests both in Greece and abroad.

**Κωδικός** 2019-1-EL01-KA102-062159

**Τίτλος Σχεδίου** Καινοτόμες Τεχνικές & Ανάπτυξη Δεξιοτήτων στη Διεθνή Συμπαράγωγή Οπτικοακουστικών Έργων Τέχνης

**Συντονιστής** ΔΙΕΚ ΧΑΪΔΑΡΙΟΥ

**Διάρκεια Σχεδίου** 13 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Chaidari Public Vocational Training Institute offers instruction to learners belonging more or less to a low income part of our society, which has particularly and inordinately been affected by the financial recession omnipresent in Greece.

As we have mentioned in various parts, the goals and moreover the participants' needs that we would like to meet with the current proposal, are not only through an "academic education abroad" –given to our institute learners whatsoever, but also through field of work, internship, and visit to specialized organizations in host countries in accordance with the rest of the course.

From our point of view, this plan meets the main attested students' needs, that is to say gaining "specialized knowledge", developing skills, and creating international networks. This project entails the participation of fourteen Photography Art department students, fourteen Art Direction department students, and fourteen Sound recording and Music Technology department students, as well as three escorting teachers, one for each group.

Training, thus, these students in specialized techniques will offer, on the one hand, better professional perspectives for themselves, on the other hand, the opportunity of a future application of these to courses in our institution. In particular, art directors and sound technicians could have the chance to be trained in making a short film; especially in the specific techniques of Pre-production, SFX processing, 2D and 3D animation, image and sound mixing, and their use in live audiovisual shows.

As far as photographers are concerned, they could be trained in creating a documentary project from scratch, under the guidance of experienced personnel at all stages of its realization, such as footage, editing and screening in specialized studio. Inter-state collaboration between Greece and France on visual-sound field has created the Greek-French co-production program.

Therefore, a favorable condition for international co-productions is being created in Hellenic cinema center and the equivalent French institution. The goal of our project is, thus, the initiation of our trainees in international productions that will provide them with a unique opportunity to acquire experience and knowledge- something impossible in our country.

The evaluation will be firstly made via "Diary" (daily activity recording and completion of evaluation sheets) and secondly via various activities such as:

- Completion by the participants of specially designed questionnaires (program evaluation).
- Contest and Best Picture Award during the Photography Exhibition.
- Contest and Best Documentary Award for directors and sound technicians

- An evaluation will also be made by participants answering specific questions concerning the subject they were engaged during the program and their examinations, and by their experience presentation.

During the final presentation and dissemination of the results organized in our Institute, students from other vocational training Institutes, representatives of the local authorities, adult instructors, and of course all our students and instructors (650 and 122 respectively) will be participating. Yet, there will be a qualitative assessment to note the impact of the program by the completion of a questionnaire (e.g. to record students' intent to participate in future Erasmus+ programs); and whether the program improved its "quality" and gave the expected added-value to our organization in order to integrate this acquired knowledge to a new curriculum. Our institution devoted to the European ideas and culture principles takes part in these current programs wanting to offer its students a last resort.



**Κωδικός** 2019-1-EL01-KA102-062164

**Τίτλος Σχεδίου** Κινητικότητα Προσωπικού και Σπουδαστών για Βελτίωση της Ποιότητας και Αποτελεσματικότητας της Επαγγελματικής Εκπαίδευσης και Κατάρτισης

**Συντονιστής** ΔΙΕΚ ΓΙΑΝΝΙΤΣΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The main goal of DIEK Giannitson is its further development and transformation into a modern, decentralized, educational unit in the Region of Central Macedonia. However, the difficult economic situation of Greece has multiple consequences at various levels, making it more difficult for the organization to grow and undertake outreach. For this reason, the institute submits the current application in order to take part in the Key Action 1 of the Erasmus+ program.

The project will take place in Cyprus and includes 4 staff members and two groups, one group of 14 physiotherapist assistants and one mixed group of 7 nursery teachers and 7 pharmacy assistants. Our partners have prepared a 16-day full-time student training program including internships in pharmacies / pharmaceutical industries / laboratories, etc. for the pharmacy assistants and nurseries, physiotherapy / rehabilitation centers etc. for the nursery teachers and physiotherapist assistants. Their program will also include attending seminars, training sessions, visits and participation in cultural actions.

We believe that our participation in the European mobility program will be of crucial importance for the upgrading process of our institution that will give our teaching staff the opportunity to adopt good practices and new, modern teaching methods. But, primarily and above all the program will ensure our students an important practical training in companies in their field of interest. The students will add to their theoretical background a significant practical knowledge. They will have the opportunity to work next to highly trained staff, to learn and practice using modern equipment, to develop new skills and acquire know-how. Furthermore, the participation of DIEK Giannitson in program will be the beginning of the organization's outreach in terms of modernization and development following the European standards; it will enhance its impact and reputation in the Region of Central Macedonia.

The benefit to local and regional economy will be particularly great as the acquired know-how and innovation related to the health and education sectors will be diffused in the future by the graduates' professional activity in the local and regional community. The participation in the Erasmus+ program will also contribute decisively to overturning the negative image of technical education in Greece while encouraging other institutions to seek their participation in similar programs. To disseminate the results of the project, a wide-ranging campaign to promote the learning outcomes and the diffusion of learning outcomes is planned.

**Κωδικός** 2019-1-EL01-KA102-062168

**Τίτλος Σχεδίου** Η Καινοτομία Κάτω από τον Φακό του Μικροσκοπίου: Εκπαίδευση και Πρακτική Εξάσκηση Βοηθών Ιατρικών Εργαστηρίων σε Ευρωπαϊκό Περιβάλλον

**Συντονιστής** ΔΗΜΟΣΙΟ ΙΝΣΤΙΤΟΥΤΟ ΕΠΑΓΓΕΛΜΑΤΙΚΗΣ ΚΑΤΑΡΤΙΣΗΣ ΕΥΟΣΜΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The public institute of vocational training of Evosmos wishes to be a model Vocational Education and Training Unit in the wider area of Thessaloniki, however, the chronic problems that the Greek education system affects directly affect it and thus fails to fulfill this goal.

For this reason, it is submitting this application for participation in the Erasmus + action CA1 action. The project will be implemented in Cyprus and will involve 2 streams, one of 14 students of the Medical Laboratory Assistant and two professors of the same specialty. Our partners, the ERCI Institute has prepared a 16-day training program for our 16-day students, including practical training in state-of-the-art health organizations, microbiological laboratories and alongside renowned scientists, seminars and cultural visits.

A corresponding program has prepared the ERCI for staff of 8 days, including educational visits and seminars and cultural visits as well. We believe that our participation will provide an opportunity for our staff to learn about what is new about school unit management and that internship will awaken the interest of our students by encouraging them to participate in future in other training / mobility.

Our students will have the opportunity to learn next to professionals in their field by adopting good practices and cultivating skills. At the same time, implementing another mobility program in the European area will mean the departure of our institution from the introversion and the beginning of a new period of its development. Our students, Tomorrow's Medical Laboratory Assistants, will strengthen their local and regional economy by offering professional high-quality medical services for the benefit of the local community.

Gradually, the innovative and improved way of operating our institution will not only raise its own level and reputation, but also the level and reputation of Vocational Education and Training in Macedonia in general. As a model for the other institutions, it will encourage them to participate in the Erasmus+ program with great benefits for themselves.



**Κωδικός** 2019-1-EL01-KA102-062169

**Τίτλος Σχεδίου** BEST PRACTICE 2019 - Πρακτική Άσκηση Σπουδαστών Μεταδευτεροβάθμιας Εκπαίδευσης Μέσω Κινητικότητας

**Συντονιστής** ΕΚΠΑΙΔΕΥΤΙΚΟ ΣΥΓΚΡΟΤΗΜΑ ΒΕΡΓΗ - ΝΙΚΟΛΙΤΣΑ ΒΕΡΓΗ ΚΑΙ ΣΙΑ Ο.Ε.

**Διάρκεια Σχεδίου** 16 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The “BEST PRACTICE 2019” project makes a proposal of acquiring and developing knowledge, skills and competences for the development of learning mobility. It aims at creating a European consciousness of work and the development of individual and professional qualifications that will improve employability on an individual and European professional level.

This project aims at a further cultivation of the knowledge, skills, linguistic competence, autonomy and adaptability of participants in a wider transnational and multicultural environment. Also, the internationalization renders the Vocational Training an attractive level of education that provides jobs and reduces unemployment rates across Europe. Another objective of the project is to promote the cooperation between different EU operators regarding the exchange of knowledge, training tools and methods. It pursues the development of skills and competencies both for the participating students and the staff involved in its implementation. Finally, it contributes to the unified strategy adopted by the EU for the modernization of Vocational Training with purpose its better integration into the economic development through the publicity and dissemination of the results.

In the project will take part 18 vocational training students. All participants will be over 18 years old, with no or very little professional experience, related to their specialty (Cooking, Aesthetics, Infant Care, Hairdressing, Nursing, Tourism, Computers). The selection criteria are as follows:

- Learning performance,
- Language skills,
- Personal interview,
- Evaluation of the trainers,
- Professional experience and
- Social criteria.

For the students’ preparation the VERGIS Vocational Training Institute will organize precursory seminars on foreign language terminology, occupational risk prevention, workplace problems and personal portfolio creation. The host organizations will provide work placements into enterprises according to each specialty, will take on the procedural issues related to the accommodation and the implementation of the internship and will organize the participation of the students in various cultural events.

The expected results of the project are to improve the participants’ professional and language skills as well as the perception of a common European culture. It is also expected the acquisition of professional experience on the basis of European parameters. Furthermore, attracting more students to the VERGIS Vocational Training Institute will result in greater participation in future Erasmus + projects.

The impact on local, regional, national and international level is mainly the dissemination of the framework of Vocational Training and the attraction of young students in order to decrease the unemployment. Additionally, the interactivity, the internationalization, the improvement and use of foreign languages, the European awareness and the cultivation of a European identity at work are not only direct benefits of this project but also of a long run term. In this way, in the conscience of young European citizens and future professionals, is expanding the belief that the professions obtained through the Vocational Training are recognized across Europe and acquire an expanded perspective.



**Κωδικός** 2019-1-EL01-KA102-062172

**Τίτλος Σχεδίου** Ανάπτυξη Δεξιοτήτων σε Διεθνές Περιβάλλον Επαγγελματικής Εκπαίδευσης και Κατάρτισης

**Συντονιστής** ΔΙΕΚ ΑΧΑΡΝΩΝ

**Διάρκεια Σχεδίου** 13 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Through this current application, VTI of Acharnai will offer to its students, experiences and knowledge that would have been, at least, difficult to acquire in Greece. We are trying to give them the opportunity to gain new competences in educational, social, economical and professional level. The 3 flows are consisted of 45 students, 18-40 years old, who derive from different social layer and economical status, they face educational difficulties, they suffer from unemployment, they are children of immigrants, without any exceptional lingual abilities and without any traveling experience.

Greece after a long period of deep economical depression returns on the path of normality. Competition inside labor market is huge and the chances for work are still restricted. Initial vocation which is offered by the Vocational Training Institutes, most of the times are not capable to offer professional way out to youngsters.

Through Erasmus+ programs, our aim is for our students to gain new knowledge, competences and professional skills, to become carriers of innovation, to develop new social attitude and trends and finally to reject any stereotype or obsession who don't belong inside EU.

The daily activities schedule in each flow is totally clear and realistic. They got every detail about time schedule, seminars, trainers, technical visits, cultural activities and events. The activities have been chosen according to the educational needs of our students in order to satisfy the aims of the program. The combination of theory and practice gives to the students the feeling that they are experiencing vocational training in real time under proper educational circumstances.

Our students will get recognized European certification (Europass mobility – CV – ECVET) which is a precious tool in order to seek job in EU. Europass is an excellent tool for our students where all the activities will be written in both Greek and English and through ECVET they get acknowledged specialization in EU. Europass CV is an additional tool for finding job inside EU.

Partners have distinctive roles as we have described in our application (preparation, training schedule, training places, technical visits, cultural activities, monitoring of the process and students' progress). Their responsibilities in all levels have been clearly settled and agreed. VTI of Acharnai takes care of the accommodation, nutrition, internal transportation, issue of air tickets, transportation to and from the airport and participants' insurance. Hosting Organization in every flow reserves supporting and counseling role. The partners complete together the Final Report. The Hosting Organization is in charge for the issue of all documents (receipts, invoices etc) for the program.

Evaluation will be done from all partners. The Hosting Organization issues certificates and helps issuing Europass for the students. The evaluation is done in 3 phases, one during the midterm of the activities and one after the end of the activities, one for each partner. The students answer in a graded question-

naire about goals' achievement, the administrative ability of the Hosting Organization, their satisfaction from the total mobility, accommodation and board. The results are going to be documented after discussion with the participants and they will be posted along with the project summary and photos, on the V.T.I.'s official website, on the V.T.I.'s page on Facebook and on the EPALE & E-Twinning platforms.

VTI of Acharnai will organize a Forum where the dissemination of the results will be done to the students, trainers, parents, organizations, Directors and representatives of the Municipality. A poster will be drawn and a video will be created with the impressions and the experiences of the participants.

As we have already mentioned, VTI of Acharnai enforces its educational profile, its extraverted character and its international role through the partnerships that it develops.

This project promotes the idea of entrepreneurship and innovation, the use of new technologies, the chase of good practices, Life Long Learning, the idea of the active European citizen, enforces the training in youngsters, creates the need for learning foreign languages, for European and national awareness and finally for new partnerships and labor chances in multi-cultural environments.



**Κωδικός** 2019-1-EL01-KA102-062173

**Τίτλος Σχεδίου** Πρακτική Εξάσκηση Σπουδαστών της Αισθητικής: Επιμόρφωση Προσωπικού σε Ευρωπαϊκή Χώρα

**Συντονιστής** ΔΗΜΟΣΙΟ ΙΝΣΤΙΤΟΥΤΟ ΕΠΑΓΓΕΛΜΑΤΙΚΗΣ ΚΑΤΑΡΤΙΣΗΣ (ΔΙΕΚ) ΒΕΡΟΙΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Our institution has decided to submit for the first time application for participating to the Erasmus+ program and it expects that this participation will provide it the opportunity to renew and up-date its program of studies, to educate its staff and cover the need of its students for practical training. The institution had decided beforehand that the hosting country will be Cyprus and has chosen ERCI in Limassol as partner.

One group of 15 students of the department of Beauty Therapy and 2 instructors will take part in the program. The institute expects that the impact of the program will be great for all the participants. The practical training of the students next to experienced professionals will cover the existing gap and they will gain educational assets and will improve their knowledge of English language.

Thus, they will be well-equipped to find a job either in Greece or abroad. The instructors who will participate in the program will enrich their personal profile and will henceforth be well-respected in the international teaching community. Their experience in organizing and running a mobility program will have great benefits for the institution as well. Both the practical training of the students and of the staff will eventually lead to the achievement of the much desired up-date of the institution and will improve its image to the local society.

The institution is planning to arrange a number of events for the results' diffusion like posting material to the European e-platforms and organizing a conference.



**Κωδικός** 2019-1-EL01-KA102-062174

**Τίτλος Σχεδίου** Σύγχρονες Μέθοδοι, Νέες Τεχνολογίες στα Ιατρικά Εργαστήρια, την Βρεφονηπιοκομία, την Οικονομία και την Εκπαίδευση

**Συντονιστής** ΔΙΕΚ ΣΑΜΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The last two years the public IEK of Samos has engaged in a self-evaluation process which has urged the institution to face its needs and weaknesses and has rendered the idea of reconstruction more demanding. The institution's needs and weaknesses referred to its decreased status in the local society and its educational isolation and therefore constitute the basic aims of the Strategic Development Plan designed by the institution's administration team. For the fulfillment of these aims, the institution has decided to take part in the Erasmus+ program.

Two groups of students and one group of trainers (4 teachers) will take part in the program. The first group of students will consist of 6 students of the Specialty of Nursery School Assistant and 6 students of the Specialty of Medical Lab Assistant. The second group will consist of 12 Students of the Specialty of Tourism Management.

The program will take place in December 2019 and will last sixteen (16) days. Cyprus was chosen as the hosting country and ERCI as our partner. The partner has prepared for the two groups of students as well as for the group of trainers a daily training schedule (different for each group) which is attached to the current application and which includes on job training (practical part), a theoretical part and a cultural part.

The institution expects that its participation to the program, will set the base for its reconstruction and its conversion into a modern educational organization which meets the European standards. Such an organization will provide an attractive learning environment to its students, professional development opportunities to its staff and will have acquired experience in the organization and implementation of mobility plans. This will allow it to escape from European isolation.

**Κωδικός** 2019-1-EL01-KA102-062175

**Τίτλος Σχεδίου** Τεχνολογία και Ιατρικός Τουρισμός

**Συντονιστής** 2<sup>ο</sup> ΕΠΑΛ ΕΥΟΣΜΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The framework of our project is the job opportunities and the entrepreneurial activities of the graduates of the 2nd Epaggelmatiko Lykeio Evosmou in medical tourism. This is because medical tourism at Mediterranean is a field that focuses on investment because of its comparative advantages.

Spain, Italy, France and Greece are tourist destinations that choose patients who want to spend their holidays there, as long as they can safely continue their treatment, such as hemodialysis. These countries are also attractive for travel for the sole purpose of medical or surgical intervention. We mention our country as a destination for couples for in vitro fertilization.


Additionally, the prevention of outflow of patient tourist in countries outside the Union is underpinned by Sustainable Development Policy. All countries are making efforts to keep this market within Europe and the Eurozone and its non-absorption from other countries like India or the US. These actions also co-operate with other development policies such as the Silver Economy, European Health Insurance Card and EuroRec, the organization that certifies and safeguards medical electronic files (EHRs)

The European Mediterranean is certainly a place gifted with a suitable climate for patient tourists and already Spain as well as France and Italy are ahead. Spain as well as France and Italy are leading to the attraction of such tourists. And Greece, however, has many powerful elements to enter the competition and gain a part of the market to cover the gap that separates it. Crete already attracts dialysis patients. New Tourist Startups (Vitabroad Athens), innovative enterprises of new technologies and information technology, providing telemedicine products suitable for this purpose (Vidavo Thessaloniki), are active in this field. Unfortunately, however, our students do not have the proper skills to work and to create businesses in the framework of Medical Tourism. However there are opportunities for nurses and for tour operators but also for technicians. This lack and the gap we are eager to cover up with our plan.

### *That's why we designed three (03) flows as follows:*

**1st flow-Barcelona:** "Medical Tourism Facilitators" 10 students - Sector of Administration and Economy to be involved in the promotion of Medical Tourism, the organization of relevant tourist-medical packages and the financial coverage through the insurance funds.

**2nd Flow-Toulouse:** "Medical Tourism, a New Role for Nursing" 10 students -Sector of Health-Providence and Well-Being, in order to acquire the capabilities to act in intercultural environments, to feel the specifics of patients, and to suggest relevant destinations and to highlight the dangers that lie ahead.



**3st flow–Toulouse:** “Technology driving the rise of medical tourism” 10 students-Sector of Electricians -Electronics-Informatics to be involved in the management of electronic medical records, the knowledge of privacy protocols, the installation of video conferencing systems between the home-group medical team and the country of destination.

The design of the business plan of a company dealing with attracting tourists-patients in Halkidiki called “Medical Visit Greece” will be the deliverable item. This plan will be sustainability element and element for the external evaluation of our project.

Spain and France are among the most powerful in this area, not only for their proximity to the Mediterranean but also for a number of other reasons such as hotel-hospital networking, the legislative framework and their networking with the insurance funds and the insurance companies and finally the relevant vocational training they have.

Training techniques have secured is associated with the fact that our students are minors and complete their studies in initial vocational training school. The program of activities includes technical-professional visits, training courses, workshops and workplace acquaintances to acquire a brief practical experience using equipment or monitoring techniques applied by professionals.

In the theoretical context we have tried to approach Medical Tourism on all sides, but in the most practical fields we have focused on hemodialysis patients-tourists. Our choice was for two reasons. Because of our experience of the older Erasmus + KA1 titled “Medical Equipment for LIFELINE: Special Digital and Professional Skills” related to hemodialysis but also because a number of companies operate in Greece eg Nefroxenia in Chalkidiki, Chania and Corfu and turn the tourist flow into these areas.

**Κωδικός** 2019-1-EL01-KA102-062177

**Τίτλος Σχεδίου** Γνωστική Μαθητεία/Δημιουργία Ψηφιακών Μαθημάτων για τη Google Classroom

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΣΤΑΥΡΟΥΠΟΛΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

This project includes two actions, first action is “Cognitive Apprenticeship” for students and the second concerns staff “Authoring digital lessons for the Google Classroom” with acronym “CogA / Digitize It”.

The action “Cognitive Apprenticeship” concerns students’ apprenticeship plan of 1st EPAL Stavropolis. All students’s specialities come from the Technological Sector. There are also two accompanying teachers. The action will take place in Madrid Spain, in a 28 days program in business internships, in the field of study of each student and further supporting training of 40 hours in entrepreneurship and specific per sector topics.

### *Action’s “Cognitive Apprenticeship” aims are:*

- to develop entrepreneurship, which together with the initiative, is currently classified among the eight key competences for lifelong learning
- to ensure the proper training of future employees
- to ensure the emergence of new talent for business and industry
- to understand the effects and consequences of business and production activity, in the society, the environment and the person itself
- to acquire new skills so that they can, as future workforce, adapt to new conditions and potential career shifts, to tackle unemployment and to be productive in their work
- to promote critical thinking, initiative, creativity and skills
- to improve their foreign language skills, for a broader understanding and responding to the social, linguistic and cultural diversity.

Accordingly, the action of teachers training, involves teachers of all sectors, in a 42 hours training in Authoring Tools for digital lessons for Google Classroom (cloud e-learning G-suite), including professional visits in Lisbon, Portugal.

### *The aims of this action are:*

- studying the applicable international methods of new services and products in supporting the free cloud e-learning
- Improve skills and competencies in creating digital content (video tutorials, Quiz etc) using the native G-Suite Google tools and various external ones as well
- raise the knowledge and experience of the cooperative partners that actively participate in the relevant sector

- the acquisition and improvement of skills and competences in cooperative-oriented learning via digital platforms

***Specific objectives of both actions are:***

- to provide initial vocational training
- the connection of Vocational Education with the labor market
- dealing with new technologies and innovative measures
- growing team spirit, acquiring useful experience, strengthening confidence and creativity of participants
- improve their language skills in English
- acquaintance with the culture of Spain and Portugal
- certification of acquired knowledge in Spain and Portugal
- the transfer of know-how and good practices in our country

The expected impact for all the participants, concerns mainly the application of new objects that they will be taught and practiced. It also strengthens the European dimension of education, knowledge of new educational systems, which will give impulses and reflections on new perspectives in the provision of education.

***The expected results of this activity are summarized as follows:***

- as far as students are concerned, to widen their knowledge horizons, to educate them in entrepreneurship and practical application, to obtain the Europass and Youthpass certificates and certificates from companies for the interns.
- concerning social knowledge and skills of students, by developing their socialization, acquisition experience, participation in educational and cultural activities
- concerning the teachers, the opportunity to participate in an innovative educational process and bring them in contact with education and entrepreneurship in a foreign country

***The products of mobility, both intellectually and materially:***

- will be directly applied to the learning process
- will contribute to improve the quality and innovation of the provided educational material to students
- will support the learning process both in school but also in future-life, and thus will achieve the school's goal of supporting lifelong learning.

The action "Cognitive Apprenticeship" will be held in Madrid, Spain, in academic year 2019-20 and will last 30 days. The action "Authoring tools for digital lessons in the Google Classroom" will be held in Lisbon Portugal, in academic year 2019-20 for 12 days.



**Κωδικός** 2019-1-EL01-KA102-062179

**Τίτλος Σχεδίου** Ενίσχυση της Ανταγωνιστικότητας Νέων Δημοσιογράφων και Βοηθών Φαρμακοποιών

**Συντονιστής** ΔΙΕΚ ΣΕΡΡΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

With this application, the Public Vocational Training Institute of Serres wishes to participate in the European Mobility Program with two specialties: the Journalists (14 persons) and the Assistant Pharmacists (14 persons). There will also be four people from the Institute's staff with the aim to train them.

Our decision to participate in the program came from the goals we have set in our strategic planning and the needs that have arisen and cannot be covered by other means. The needs are to provide to our students as much knowledge as possible in order to ensure their professional success. To provide, also, work experience in real working conditions, linking their theoretical knowledge to practical work experience. Our needs also concern the training and activation of our staff to search for new educational methods, tools and networking with other organizations.

The program will be implemented in Cyprus with our partner the E-RCI Institute, which has extensive experience in mobility programs and has already implemented over 450 programs. E-RCI has also a large network of cooperating companies. Our institute will set up a Working Group to prepare the participants in cooperation with the partner and to prepare other practical issues. The partner will assume its own obligations as they are set out in the agreements we will sign. The results from our participation in this action are expected to be particularly important for all students, staff and our institute in general.

The program will be implemented according to a pre-defined 16-day program and its assessment will be on a daily basis. The dissemination of results will take place in a variety of ways (events, workshops, media, internet and social media) in the local community as well as in a wider range.

Our participation in the mobility program will be a beneficial process for all parties involved, will give new prospects to everyone and promote European consciousness and adaptation to a foreign environment.

**Κωδικός** 2019-1-EL01-KA102-062180

**Τίτλος Σχεδίου** Σύγχρονες Τεχνολογίες Αυτοκίνησης

**Συντονιστής** 13<sup>ο</sup> ΕΣΠΕΡΙΝΟ ΕΠΑΛ ΘΕΣΣΑΛΟΝΙΚΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Our school, the 13th Evening Vocational High School of Thessaloniki, has decided to participate in the European Mobility Program to meet some of its basic needs, such as student internship in business, staff training and the broadening of everyone's horizons.

The mobility program will involve 15 students from Car Engineering specialty and 2 persons from the school staff. Participants will be selected according to predefined criteria. The program will be implemented with the help of our partner RATIO TECHNICAL VOCATIONAL TRAINING CENTER LTD, which has significant experience in mobility programs and a wide network of organizations and companies with which it cooperates.

The results we expect for our students are to complete their theoretical knowledge with professional practice in real working conditions in modern and innovative companies of their field, to use modern machines and equipment that are not in supply in our school, to train our students with seminars, to improve the foreign language and to acquaint with the culture and history of Cyprus, which will be their host country. Respectively, an important training will take place for the staff that will go along with the students with the aim to upgrade their educational skills and to contribute to the renewal of our school.

The project management, the selection and preparation of the participants, the evaluation and the dissemination of the results will be managed by our school and a Project Team, which will be set up and of course always in consultation with our partner and based on the obligations of each side as defined in the agreements that we will sign. The dissemination of results will be an important part of the process and will be done using technology (web sites, social media), with publications in the media and the organization and participation in events and workshops. By participating in the program we also aim to meet our school's development needs, strengthen its image, network with other organizations.

**Κωδικός** 2019-1-EL01-KA102-062185

**Τίτλος Σχεδίου** Κατάρτιση σε Νέες Τάσεις στη Διαχείριση Κλειστών Υδροπονικών Θερμοκηπιακών Συστημάτων

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΧΑΛΚΙΔΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Today, as a consequence of the general economic crisis, the Greek agricultural sector is suffering from a reduction in demand and a limitation of available resources (water, land, energy) to support and develop it. At the same time, the effects of market instability and the impact of climate change exacerbating the frequency and severity of extreme weather conditions are heavier, resulting in a decline in crop yields, loss of production and a further fall in farm incomes. It is at the same time confronted with critical issues related to food safety and their adequacy.

The modern model of agricultural production now requires rational management of all inputs and outputs of the system. To this end, the concept of precision farming has been developed and found to have been a major response, using ICT to accurately control all inputs to the cropping system, as well as to accurately program outflows.

The need to save water and increase productivity, coupled with the demands of international markets for high and stable quality and healthy food, leads to the explosive growth of global greenhouse facilities where huge funds have been invested in the last decade.

Based on the above developments in the agricultural sector, we have chosen to design this program titled "Training in new trends in the management of closed hydroponics greenhouses" in the Netherlands, in a country with great know-how and a host of greenhouse facilities. At the same time, the professional rehabilitation of the pupils of our school unit is a primary objective and therefore we choose specialized thematic subjects as well as specialties that have demand in the labor market and have no innovation elements.

The main objective of the project is acquaint the trainees through their placement in greenhouses, how to produce safe and high quality products to ensure high yields using modern technologies and automating a large part of the production process.

Participants are expected to gain valuable experience and important resources to achieve the following goals:

- know the modern systems in greenhouses
- be informed of the types of hydroponic farming systems
- Manage heating, ventilation, cooling and shading systems, - greenhouse lighting
- manage water and fertilizers rationally
- Rationally use chemical pesticides
- Optimize microclimate adjustment
- make sampling and analyzes

- apply modern quality assurance systems for agricultural products
- certify agricultural products.

Regarding the profile of the participants in the project, 40 trainees are expected to participate, who attend courses of the specialties of Agriculture, Food and Environment and Informatics in the 1st EPAL of Chalkida.

Holland is the host country of the Netherlands, where HollandDoor Cooperative UA, a provider of study tours, training programs for the Dutch and international agricultural sector, as well as finding suitable partners / organizing business meetings.

***Participants through the project will acquire and improve the following skills:***

- Knowledge of modern greenhouse cultivation systems (types of greenhouses, greenhouse materials greenhouses, loadings of greenhouses according to Eurocodes)
- Information on the types of hydroponic farming systems
- Management of heating systems - ventilation - cooling - shading - technical lighting in greenhouses
- Soil management in the greenhouse - substrates
- Rational management of water and fertilizers
- Rational use of chemical plant protection products
- Application of modern fertilization techniques
- Optimization of microclimate adjustment - automatic climate control systems
- Applying sampling and analysis
- Management of nutrition of hydroponic culture - synthesis of nutrient solutions
- Implementation of modern quality assurance systems for agricultural products
- Certification of agricultural products
- Awareness of hygiene and safety issues in greenhouses.

***Possible long-term benefits include:***

- Exchange of know-how and good practices with foreign operators
- Participation in mobility programs
- Implementation of projects with an emphasis on linking to the labor market
- Synergy with actors in lifelong learning and training
- Exploring collaborations with an emphasis on innovation.

**Κωδικός** 2019-1-EL01-KA102-062187

**Τίτλος Σχεδίου** Πρακτική σε Βιομηχανίες Τροφίμων Μέσω Ρομποτικής

**Συντονιστής** 6<sup>ο</sup> ΕΠΑΛ ΑΘΗΝΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

In recent years, the food industry, in the context of process automation, has adopted robotic systems in the final stages of production and packaging, ie during boxing and product palletting.

The use of robotic technology to automate the final stages of production and packaging helps industrial enterprises to:

- significantly reduce production costs,
- maintain high production speeds with safe handling of products,
- easily adapted to fluctuations in demand,
- gain flexibility in managing many different packages,
- minimize human error,
- improve working conditions (worker safety, weight lifting diseases),
- Harmonized with safety regulations (eg maximum permissible box weight managed by an employee),
- ensure product quality.

The use of robotic systems in production in Greece concerns two broad categories: One involves palletizing work etc, while the other processing of material and workmanship, such as welding, metal-working, material removal, assembling etc. In Greece there is now a wide range of applications from both categories, as many robotic systems have been installed.


Based on the above developments and taking into account labor market needs for specialized people, we have chosen to submit the project entitled "PRACTICES IN FOOD INDUSTRIES THROUGH ROBOTICS". The mobility will be attended by 40 students in the fields of Electrical, Electronic and Automation & Informatics of the 6th EPAL of Athens.

Participants will move to Germany and the Netherlands, where robotic systems that automate boxing and product palletting have been widely adopted by the food industries. In addition, we have submitted a program of activities that combines theoretical training with practical application in their organized laboratories, as well as the placement in the production line in food industries.

### *The objectives of the project for participants are:*

- the ability to use the robotic boxing system,
- knowledge of the particularities of the packaging of different products,



- 
- strengthening the design capability of the boxing system,
  - the possibility of using the robotic pallet system,
  - getting familiar with Arduino's programming procedures,
  - Information on the forms of packaging,
  - applying the automatic wrapping of the pallet and automatically printing and pasting the label,
  - updating examples of boxing and palletizing applications using robotic systems in Greek food industries.

*The expected learning outcomes of the project are:*

- Bundle the products and place them in a specific configuration on the boxes using a robotic boxing system,
- Be aware of the particularities of the packaging of various products,
- Plan carefully the boxing system,
- Use the boxing device, the box forming machine, the box closure and the product and box handling system,
- Be informed about boxing applications in industries,
- Formulate each pallet via robotic system, according to the specifications of the enterprise for internal or external customers,
- Use the appropriate robotic method and technology depending on the different forms of packaging,
- Identify the importance of automatic pallet wrapping and automatic label printing and tagging,
- Be informed about palletizing applications in industries.

With regard to the proposed project, the EPAL will assess the effectiveness of intervention in skills development to support young people exploring their professional outlets. In any case, the project is a good practice in terms of policy synergy, developing and consolidating a culture of extroversion, communication, collaboration, and intercultural communication.

**Κωδικός** 2019-1-EL01-KA102-062188

**Τίτλος Σχεδίου** Διαστασιολόγηση ισχύος Ηλεκτροπαραγωγών Ζευγών (Η/Ζ) με Ηλεκτρονικό Υπολογιστή

**Συντονιστής** 2<sup>ο</sup> ΕΠΑΛ ΚΑΛΑΜΑΤΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

### *Frame Of Design*

The project titled "Design of Electric Power Pairs with Computers" comes to cover a basic need of the students of the 2nd EPAL of Kalamata and more specifically of the electricians in order to get to know the power calculation of the Generating Pairs and to specialize in the methodology of calculation with special software (provided in the hosts' laboratories), but also in companies where students will be placed in order to apply the specific methodology in practice.

The reasons that prompted us to design the program originate primarily from the intense interest of the students in their specialization, but also from the labor market needs in this specialty both to practice the profession as installers and as workers in craft industries and industries that wish to maintain the power of electricity.

Due to frequent interruptions in power supply, especially during the summer months or during severe weather events, many companies or industries have problems such as: loss of income due to cessation of work, defamations, loss of information and telecommunication systems, loss of heating and air conditioning. In order to avoid the above, whose consequences are quite damaging, the use of Electric Power Pairs is considered to be necessary in order to avoid the consequences of a potential loss of power.

### *Objectives*

The OBJECTIVES of the program focus on the following:

- Knowledge of the basic principles & principles of operation of electrical systems
- How to determine the safe operating area depending on the installation
- Determining when and how the generator is damaged
- Knowledge of the factors causing an increase in the required size of the PC
- Implementation of measures to tackle the burden on PCs and cargo deformations
- Use of ways to reduce the size of the PC
- Ability to recognize the engine and generator characteristics that show us the quality of the power delivered
- Use of additional equipment to improve the performance of an Electric Power Pair
- Understanding the methodology of selecting the appropriate PC using special software.

## *Profile And Activities*

The project will be attended by 36 students of the 2nd EPAL of Kalamata attending the Department of Electrical Engineering. They will travel for 16 days in Germany where host UVE GmbH has organized a program of activities that includes theory in order for students to understand the basic principles for the operation and maintenance of Designing, laboratory courses to be organized by the host in their own workshops and finally placement on installation businesses.

## *Expected results*

The knowledge, skills and attitudes/attitudes to be gained/improved by the participants in the project are:

- Know the key parts & operating principles of Generating Pairs
- Understand the power impairment caused by ambient temperature and altitude
- Aware of the factors that cause an increase in the required size of Generating Pairs
- Understand how to influence the quality of the power delivered by the size (kVA) of the Generating Pairs to choose
- Understand the methodology of selecting the appropriate Generating Pairs using specific software
- The governor and voltage regulator (AVR)
- Identify the safe operating area depending on the installation
- Determine when and how the generator is damaged
- Implement measures to address the charges of Generating Pairs and deformations from loads
- Use ways to reduce the size of Generating Pairs
- Acquire the ability to recognize machine and generator technical characteristics that show us the quality of the power delivered
- Use additional equipment to improve the performance of Generating Pairs.

## *Long-Term Benefits*

The long-term benefits to be gained by students are:

- acquiring the experience that is necessary and valuable for the development of other programs in the future
- disseminating results and encouraging more and more people to participate in European programs
- transferring the acquired knowledge, skills and attitudes within the organization, but also more widely in the Prefecture
- linking acquired knowledge with practical implementation and the labor market.

**Κωδικός** 2019-1-EL01-KA102-062189

**Τίτλος Σχεδίου** Εκπαίδευση και Επιμόρφωση στην Ευρώπη. Αποκτώντας Νέες Εμπειρίες και Γνώσεις

**Συντονιστής** ΔΙΕΚ ΠΥΛΑΙΑΣ ΧΟΡΤΙΑΤΗ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

DIEK Pilaias-Chortiati is a Public Vocational Training Institute which was established in 2014. It is part of post-secondary non-compulsory education and provides students with the ability to train in a specialty of their choice according to the specializations offered. It offers a total of thirteen specialties. The participating students will come from the Hospitality Management and Operations, Tourism Organization and Management, Marketing and Advertising Officer - Marketing, Air Transport Services Executive.

The persons who will participate in the program are four (4) and consist of the Director, the Deputy Director and two trainers of specialties. Although the school has not previously participated in a similar program, the four stakeholders have the relevant experience for the success of the program.

The main objective is to internationalize the cooperation of institute with other organizations and European businesses and to create conditions for European mobility. The DIEK has the specifications to be able to learn through all the procedures and activities of the mobility program the procedures and practices applied in the respective professional field of study of the four specialties. Students will benefit from the mobility program to the fullest.

Through internships, low-wage students with fewer opportunities for social and professional development will gain experience and expertise to look for a post-graduate job. 10 students from the "Air Transport Service Executives" and 10 "Marketing" specialists will travel to Vienna in November 2019. 10 students from the "Hotel Management and Operation" specialty and 10 students from the "Tourism Organization and Management" specialty will go to Barcelona in February 2020.

The organization will take all necessary steps to be prepared for the safe and successful implementation of the mobility program. Student preparation, in the practical part and at the linguistic level, will begin at the end of September and we will endeavor to include those who will not take part to take advantage of intensive lessons.

By the beginning of October, we would like to have completed the final selection of students and alternates, because practical preparation will take some time and in October we will collect all the travel documents of the participants to prevent last minute retreats. In the absence of experience in European programs, DIEK Phorias Chortiatis does not have an established network of collaborators in European cities. For this reason, we decided to do a research on the Internet as well as on social networking sites, considering that companies and businesses wishing to welcome students would do a similar search or publicly present the results of previous programs where they participated.

Our partners in Barcelona and Vienna will take over, apart from internships, accommodation and meals. Students who wish to participate in mobility will complete the application form, but the final selection of the participants will be based on strict criteria:

- Average school performance (25%)
- Degree of practical applications (25%). This grade will be given by the pupils' specialists in their practical training at school
- Linguistic ability in English, face-to-face conversation (25%) We have written an English test for students who will need to complete to complete their application
- Behavior and motivation (25%). These will be evaluated through personal interviews with the candidates.

In the final selection, equal opportunities will be taken into account, and in the event of a tie, pupils with fewer opportunities to travel or work abroad will be preferred.

Our goal is for students to become more competitive in finding a job and to be given the opportunity to participate in similar projects having acquired substantial experience. In order to disseminate the results of the project, the organization will organize a workshop with an open invitation to all pupils, trainers, school staff and local community actors at the end of the journey.

The conference will make public all the benefits of the Mobility Program. All involved will present their experiences with photos and videos. The hosting partners will report the results on their website and their affiliate network via newsletters.





**Κωδικός** 2019-1-EL01-KA102-062191

**Τίτλος Σχεδίου** Προεπαγγελματική Εκπαίδευση Μαθητών με Ειδικές Ανάγκες και Εκπαιδευτών τους στον Τομέα Γεωπονίας και Τροφίμων

**Συντονιστής** ΕΕΕΕΚ ΑΛΕΞΑΝΔΡΕΙΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The primary objective of our school by using mobility is the collaboration with educational and other institutions in Europe, with ultimate goal the upgrading of education and vocational training of our students and teachers. Through this program we want to pass on to our students the need for lifelong learning, the need to improve their skills and gain confidence so as to claim a job a job in their country.

The need to gain work experience in rural areas is large and difficult to acquire in Greece, under the existing legislation. This program will give our school teachers new methods of approaching and transferring knowledge in the sector of agricultural businesses and cultivation. They will learn about new technologies, knowledge that they will be able to pass on to their students in the coming years. Students will have the opportunity to work, meet and become friends with people with disabilities and other young people of European countries.

By visiting public educational institutions in Spain, students will benefit from the interaction with other students of different schools, different dialects and cultures. They will attend a different training system. Even more teachers will receive a greater deal to help in continuing and upgrading their cognitive skills as they will have the opportunity to learn different teaching methods and will also be able to compare and contrast or even adopt new ones.

Great benefits will be gained by our students from their presence in Spanish companies where young disabled people work. Benefits like self-confidence, socialization knowledge in handling a machine are some of them. Moreover, teachers will acquire great benefit by experiencing in the operation of new technology in the agricultural sector.

This project will be attended by 8 students with special needs, specializing in the Food and Environment Agriculture sector and 6 teachers from ΕΕΕΕΚ of Alexandria who will accompany the students. Host Country is Spain, while Host Organization is MOVEU PROFESSIONAL SERVICES SL. Through the project, students will have the opportunity to work in production facilities, take part in a series of seminars on their specializing sector, Spanish history and culture, get in touch with professionals in the agriculture and combat any trace of occupational insecurity and anxiety resulting from lack of internship.

It is very likely that these students will become interested in participating in Erasmus + mobilities in the coming years. This will enable them to complete an internship course that will give them the appropriate skills to become equal members of Greek society.

Moreover, teachers having the opportunity to learn about the teaching methods of another European country will advance and upgrade their cognitive skills. They will be able not only to compare them, but also to adopt these teaching practices, for the benefit of all teachers and the student community. Furthermore, it is of great importance and should be mentioned that the knowledge adopted by the program teachers will be able to pass it on to other colleagues of the Day Care Center and other special schools in our prefecture.

**Κωδικός** 2019-1-EL01-KA102-062194

**Τίτλος Σχεδίου** Εκπαίδευση σε Εφαρμογές Ρομποτικών Συστημάτων στη Βιομηχανία

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΔΑΦΝΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

### *Birth of Idea for Planning the Program*

The modern industry and supply chain environment for responding promptly to changes in demand and ensuring the quality and safety of manufactured products introduces robotic systems. The necessity of Robotic Systems in Industry lies in the fact that:

- provide speed and precision of motion, reducing production times and thus helping to reduce the cost of the products produced. Decreased deadlines are also significantly reduced and increased, stable and predictable production rates are ensured, thus ensuring the smooth operation of production.
- ensure consistency in the quality of the product produced.
- provide excellent flexibility for handling different products while minimal adjustments to peripheral equipment are required when switching from one product to another.

### *Need and goal of implementation*

Based on the above developments and the consequent application of the robotic systems in the Greek Industry and Craft Industry, the necessity for the design of the program entitled “Education in Applications of Robotic Systems in Industry” was revealed. It is noteworthy that this program was implemented in 2017 with absolute success and we are submitting it updated (DRAFT BRIDGE) at the request of the pupils of the school unit. The dissemination of the results of the previous project and the absorption of graduates in companies has prompted us to design this program.


### *Key Objectives*

Key Objectives of the project are to acquire the participants skills in the application of robotic mechanisms and systems applied to the industry and more specifically:

- familiarizing participants with the tools involved in the study of classical robotic systems, so that they are among others appropriately prepared to better assimilate and understand in practice the functions and the way of controlling a robotic system,
- applying different automation methods to control robotic systems,
- understanding issues related to intelligent control (neural networks and fuzzy logic) of robotic systems.

### *Educational Activities / Objectives.*

The program, which will be attended by students, is based on theory in order to understand the basic principles for the robotic applications in the industry, in laboratory courses organized by the operators in their perfect laboratories and finally in enterprises - Industries which have robotic systems in their



production. These training techniques (simulations, participatory teaching, self-presentations, etc.) will be followed in order to better understand the training object and there will be an alternation between theoretical and practical training.

### *The Objectives*

The Objectives of the program focus on the following:

- Knowledge of the concepts / characteristics of robotic applications
- Understand the capabilities and applications of robotics in the production process
- Knowledge of the structure, function, classification and kinematic analysis of a robotic system
- Identification of the different types of robotic systems, the technologies used and their programming methods
- Understanding the security system
- Familiarity with robotic applications in industry
- Familiarity with their maintenance
- Addressing emergency procedures.

### *Expected results*

Through the project, participants will be able to acquire key competencies and will be able to:

- recognize the capabilities and applications of robotics at an industrial level.
- know the structure, function, classification, and kinematic analysis of a robotic system.
- recognize the different types of robotic systems, the technologies used and their programming methods.
- implement various automation methods to control robotic systems.
- understand issues related to the intelligent control of robotic systems.
- evaluate robotic technologies and intelligent control methods to choose the most appropriate application.
- handle robotic applications in Industry.

### *Impact*

- Strengthening the knowledge society.
- Contribution to creating and maintaining quality jobs.
- Eliminating inequalities by promoting equal opportunities for men and women.

### *Profile of participants*

The project is aimed at students of the Mechanical and Electrical Engineering specialties of the 1st EPA Dafnis, who will go for 15 days, 25 participants in Germany to the Reception Agency UVE GmbH to develop knowledge and skills in the field of Robotic Systems Applications in industry. The practice will be in real working conditions, in fully equipped laboratories and in companies using robots in production.

**Κωδικός** 2019-1-EL01-KA102-062195

**Τίτλος Σχεδίου** Εκπαίδευση Μαθητών στον Τουρισμό Υγείας

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΛΟΥΤΡΑΚΙΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The tourism industry is the largest sector of the global economy. Today, there are 700 million tourists globally with a view to rising to 1.5 billion in 2020. Medical tourism is a new ever-growing economic activity worldwide and includes transport, information, guided tours and accommodation of health tourists to selected hotels.


Due to the magnificent Mediterranean environment, natural richness, mild climate, traditional hygienic cuisine, historical and cultural heritage, and especially the world-renowned medical and nursing staff, Greece can really stand competitive and be established in this area.

In the area of Loutraki there are several infrastructures - Hospital, Hemodialysis Centers, Extracorporeal Centers, Healing Sources with a modern Spa Treatment Center, Hotel Units - to support this form of tourism (medical) in addition to the easy and short access from Athens make Loutraki the wider area ideal destination. There is already a specific group of tourists in the area and an increase is expected. For these reasons, the EPAL, thinking about the professional rehabilitation of its students and their specialization in objects that make them competitive in the labor market, designed the program "EDUCATION OF HEALTH TRAINING STUDENTS" for the specialties of Nursing and Tourism Professions.

The specialties of the students are of a different nature because the Ecotourism of Medical Tourism is particularly complex because they are involved in addition to health units, hotels, insurance organizations, international certification bodies, specialized tour operators, legal services, government agencies etc. The specialty of Nurses will go to Italy by practicing Rehabilitation Centers and Health Units for the management of patients-tourists.

The specialty of the tourism professions will go to Cyprus to get acquainted with the organization that this form of tourism needs, the mediation between patients and health providers and the creation of personalized packages of high quality and economically competitive services and attractive destinations.

However, because it is a new form of alternative tourism there is NEED TO TRAINING SPECIALIZED PERSONS - Professionals related to this activity. Medical tourism is characterized by the necessity of properly equipped medical infrastructure, specialized medical staff, and specialized nursing staff, appropriate organization for the provision of high quality tourism and medical care services and appropriate visibility.



Participants will go for a traineeship in Italy and Cyprus - countries that know the bloom of health tourism. The specific objectives of the program are for participants to be trained in new thematic subjects to help with:

- Acquiring new knowledge and specialized professional skills that will create new prospects for their business.
- Familiarize them with new and modern methods to make their work more efficient.
- Encourage them to get to know and apply new concepts to their professional practice.
- Increasing their self-confidence as a consequence of their contact with counterparts from abroad.
- Strengthening attitudes and cooperative behaviors that will help them in their professional development
- Their contact with labor markets are highly competitive and demanding in specialized knowledge and skills.

***Expected Results / Benefits Of The Program focuses on:***

- Patient management - tourist
- Collaboration with the providers of the health sector and the tourism - hotel industry
- Ensuring special hygiene and cleaning conditions
- Ensuring individuality, data confidentiality and patient privacy
- Making personalized patient service programs
- Providing tourists who need medical support for traditional tourist services
- Supporting patient communication and safety
- Minimizing all the potential risks of international patients
- Knowledge of national strategies of leading medical tourism countries and national and international stakeholders
- Use of medical terminology as well as the system of charging of insurance funds (domestic and non-domestic).
- Apply appropriate branding & penetration marketing strategies to the Medical Tourism market.



**Κωδικός** 2019-1-EL01-KA102-062196

**Τίτλος Σχεδίου** Πρακτική Άσκηση σε Αυτοματισμούς Πλοίων

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΚΑΛΥΜΝΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ


Greek shipping is one of the healthiest and outward-looking sectors of the Greek economy and at the same time a key pillar for the country's future economic growth and employment. Recognizing the contribution of shipping to the economy, the Greek state supports a consistent basis shipping activities through measures aimed at improving the competitiveness of the shipping industry and its interface with other business and economic activities, multiplier economic benefits.

Despite the highly competitive international environment and the long-term recession of shipping companies, concerted efforts are being made to maintain our country's competitive position by attracting ships to the national fleet as well as by shipping companies in the country and focusing efforts on quality provision, competitiveness, digitization, security and protection of the gas and the marine environment, in full harmony with the strategic objectives of EU and IMO maritime policy, as well as the requirements of the national economy.

The design of the program "Practical Training in Ship Automation" regarding the training object, the educational content of the modules and the educational techniques to be applied was based on parameters determined by the special features presented by the South Aegean Region, features that characterize the young students of the 1st EPAL Kalymnos, the features and the increased demands of the local community of Kalymnos for staff specializing in the field of Shipping and more specifically to ship automation.

The main purpose of the program is to educate and specialize the participants in Ship Automation to acquire the necessary skills and skills - abilities and therefore prospects for immediate professional rehabilitation and then professional development in Greek, Cypriot and global shipping. More specifically, the participants through the project will:

- are fully aware of and understand the processes and technologies involved in the field of naval electro-technology
- learn definitions and specialized terminology of technical seafarers in English
- be informed about the technical and digital systems and equipment of the specialized functions of naval electro-technology
- understand in depth electrical and electronic systems and control systems for deck machinery and load handling equipment
- know in-depth the radio equipment, electronic navigation aids and the electronic engine simulator
- operate, maintain and repair the ship's electrical and electronic systems
- use the bridge simulator and bridge navigation equipment.



The plan is expected to include 25 students, who attend courses at the 1st EPAL Kalymnos in Electrical, Electronics and Automation, and the Technical and Computer Systems Engineer, in the Maritime professions sector, as well as the Maritime Commodity and Marine Engineer field of Informatics and the specialty of Computer Applications Technician. New EPAL graduates will also be included.

The participants will be trained for 16 days at the EDEX - Intercollege Naval Academy of Cyprus. The Academy in Cyprus offers naval technical education and training in the specific geographical area. Her curricula have been approved by the Department of Merchant Shipping of the Ministry of Transport, Communications and Works. Graduates of the Academy acquire skills - competencies recognized by the International Maritime Organization (IMO), which contributes to the increase of prospects for immediate professional rehabilitation and development in Cypriot, Greek and global shipping.

The planned activities include Theoretical training and Laboratory courses in the certified labs of the host body by experienced Electrotechnical Teachers, as well as Simulation Courses so that the training received by the participants will become more experiential, both in navigation and in the control of electrical and mechanical equipment of ships at the facilities of the Naval Academy of Cyprus, but also at the premises of ship owners.

The expected learning outcomes from the implementation of the project for the participants are specified in:

- Knowledge of the subject of training in different working environments
- Acquiring techniques and familiarizing with good ship automation practices
- Contact with professional practices
- Evaluation and, above all, self-evaluation of the knowledge and skills acquired.

**Κωδικός** 2019-1-EL01-KA102-062197

**Τίτλος Σχεδίου** Πρακτική Άσκηση στην Ευρώπη για τους Μαθητές της 2<sup>ης</sup> ΕΠΑΣ ΟΑΕΔ

**Συντονιστής** 2<sup>η</sup> ΕΠΑΣ ΟΑΕΔ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

In the frame of action of European mobility, the main focus is found in the collaboration of schools of professional education and enterprises with the countries that have the possibility of offering advanced technological infrastructure in the school or in the enterprises. The main concern of this action is they are familiarized apprentice the EPA.S. With the multinational labour environment, they give them the tools and the occasion to learn for the advanced technologies and finally they teach in the students the mentality of work in big enterprises, where the relation with the employer is found in completely different frame by what is observed regularly in Greece, in small to medium-sized enterprises.


His given fact that the Greek dyiko system of Apprenticeship of ORGANISATION FOR THE OCCUPATION OF THE WORK FORCE includes the work and the study in the school the same day, the different targeted programs of other countries are attractive and they present their interesting so much as for analytic program, what as for program of practical exercise. Consequently, the intention in this stage is to send students/spoydastries in the abroad in order to they watch and they are practiced practically on their speciality in the working places, placing very concrete training results.

The visits of students/three in the abroad will give them new professional experiences and dexterities, that raise in the intentions of ORGANISATION FOR THE OCCUPATION OF THE WORK FORCE and that in their labour future they might practice when they seek work.

The study in our faculty is two years and concerns students/thrice from 16 – 23 years that are holders of at least indicative A'Lykeioly, General or Professional Lyceum. The majority of this students they have in general abandoned their study in the Lycea of Greece (and Professionally) and at extension their import in some Academic Institution of country. Their need therefore for professional education and training is imperative. The organism (ORGANISATION FOR THE OCCUPATION OF THE WORK FORCE) that he is also the responsible organism in Greece for the unemployment and the management of human potential has specifically created programs in the faculties for these students.

Most of our students are individuals that emanate from corruptible social and economic teams of population of wider region of Thessalonica. The decision of our faculty to involve this individuals in a program of mobility Erasmus+ was in order to it gives in this students the possibility of acquiring the bigger possible specialization and training in the professional sector of study that they have selected.

Wish our also is acquire our students the experience of work in a big enterprise of abroad the structure of which also the practices that they use have in a lot of cases big differences from the enterprises of wider region of Thessalonica and in general our country, in which the students make us practical exercise in the frames of dyikoy system that are applied in the faculty mas.Se the program will participate 48 students 8 students from each specialty that follows:

- 
1. Beauty Art
  2. Hair dressing Art
  3. Texture – Clothing
  4. General assistants for kids
  5. Graphic design
  6. General Nurses assistant

The students of Beauty Art and Hair dressing Art as also and from the sector Texture – Clothing will learn they create in a multinational environment, they develop their techniques, they learn new tendencies in the fashion and they acquire occasions of networking.

The students General assistants for kids will learn they use combined methods that aim in the harmonious promotion of growth of personality of child and in the facilitation of evolutionary growth and education.

The students of Graphic design they will learn new techniques on the graphic art, communication, marketing, publications, organisation of events. The students from the sector General nurses assistant might improve their communication dexterities, they might materialize what learns in their faculty and they will make practices in nursing dexterities as reception of arterial pressure, care of lesions κλπ. και they will learn they face difficult situations.

Objective of our faculty is the creation of network of collaborators in exterior and the better detection of needs of job market. It will acquire experience in the concretization of corresponding programs and strengthens his picture in the sector of professional education.

**Κωδικός** 2019-1-EL01-KA102-062198

**Τίτλος Σχεδίου** Σύγχρονες Τάσεις στον Σχεδιασμό Συσκευασίας Τροφίμων

**Συντονιστής** 1<sup>ο</sup> ΕΡΓΑΣΤΗΡΙΑΚΟ ΚΕΝΤΡΟ ΑΘΗΝΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The packaging is researched internationally with interesting approaches and conclusions. The researchers conclude that packaging can play a catalytic role in choosing a product against others by the consumer because the purchasing decision is taken in a very short space of time. Thus, the types and designs on the labels must draw the attention of the potential buyer, making the product stand out from those of competitors.

In addition, the packaging should communicate to consumers the relevant and appropriate information about the quality of the product, replacing in some cases the requirement for promotional activities through a vendor. The packaging is decisive, it is the silent seller, it is the last thing customers see before they decide to buy and a product does not exist without its packaging.

Considering the above and also influenced by our recent visit to the Greek Food Industry for educational purposes, we have understood the importance of packaging, especially for food, but also the fact that it is an area that can help in the professional rehabilitation of our students. So we designed the program "CONTEMPORARY TRENDS IN FOOD PACKAGING" to give participants the opportunity to explore and deepen the aspects that make packaging such a lively, active and essential part of the product industry.

The objectives of the program for students focus on:

- Knowledge of the processes and technologies applied in the food industries relating to packaging,
- enhancing participants' skills to successfully meet the demands made by developments in the field of packaging design for food,
- Ensuring students' ability to meet a wider range of cognitive requirements,
- Ensuring the ability to enter an additional sector for their professional rehabilitation,
- Promoting new techniques and methods for increasing student competitiveness in the labor market.

Because the project is based on experiential learning, at the end of each thematic unit a task with the relevant theme will be delivered and presented by the students. At the same time, the host organization "Pallars Jussà, International Marketing & Services S.L." has been proposed to be assigned to Catalonia design companies in Spain in order for the trainees to know in practice the projects and procedures to be taken in the respective departments.

The training concerns 36 students of the Informatics and Applied (Graphic) arts disciplines of the EP, who will travel for 15 days to specialize in thematic subjects that are in demand in Greece and will help their employability.



The learning outcomes that we expect to be acquired by the participants, and which will be recognized by European certificates:

- Specialization in the stages of packaging design process in the food industry
- Knowledge of the brief process
- Applying standards and international regulations (ISO) to food packaging
- Understanding the importance of conceiving the idea in the packaging design
- Understanding the necessity of using the label
- Understanding the packaging - label - marketing relationship in the food industry.

Finally, the potential long-term benefits from the implementation of the proposed project will be related to:

- the establishment of partnerships aimed at continuing the implementation of mobility programs,
- improving the skills and employability of trainees,
- the modernization of education and training systems,
- upgrading its recognition,
- highlighting the importance of the European dimension in education and training and lifelong learning by promoting mobility, cooperation and transfer of good practice between organizations from different EU countries,
- promoting linguistic diversity and interculturalism between Member States.



**Κωδικός** 2019-1-EL01-KA102-062199

**Τίτλος Σχεδίου** Η Θεωρία στην Πράξη: Επαγγελματική Κατάρτιση και Πρακτική σε Ευρωπαϊκές Επιχειρήσεις

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΦΑΡΣΑΛΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Secondary Vocational Education has two major roles and that is Professional and social. So it is time to approach holistically changes and to systematically address the social role in order to improve the quality and attractiveness of vocational education and to support our students for a new beginning.

The aim of our project “Practice in Practice: Vocational Training and Practice in European Business” is to provide quality experiential practical training in European companies, interaction and vocational training for 16 students in the field of Car Technicians and Technicians of Applied Informatics (8 + 8).

Through the project, students are trained to practice European businesses, visit historical sites, develop their ability to engage in English, adopt European and multicultural consciousness and action as individuals and professionals, and become “social” in dissemination of the European Idea. It aims to be a bridge of theory and practice of what is being taught with a view to providing students with the opportunity to specialize

Farsala EPAL students do not have often the opportunity to take part in attractive programs that focus on their vocational training because they come from low economic and social strata and live in more remote areas (villages) and have no experience of traveling to abroad.

Beyond the general objectives, at the level of specializations we aim to acquire:

### Car Technicians

- to learn innovative practices and approaches by acquiring another dynamic and perspective in their career development
- learn new learning and education environments
- to achieve their personal development, employability and integration with claims in both the Greek and the European labor market
- to become aware of European cooperation and so that it can be a lever to improve and strengthen the European dimension in education
- to familiarize yourself with technical terminology in English
- to improve their knowledge of ensuring special security conditions
- to familiarize themselves with machine repair, identify damage to cars (gasoline and oil) and spare parts required, cost accordingly, run a business and promote it

### **Technicians of Applied Informatics**

- enrich their knowledge of new technologies
- improve their capacity to deliver quality services
- work in an environment with advanced technologies and know-how

### **Training and refining technical terminology in English**

- to increase the possibilities of finding work in Greece or in a foreign country
- to acquire programming skills, device and software repairs
- familiarize themselves with the Office's administrative tasks
- Get experience in company promotion and marketing

### **Implementation of the project would help school, pupils focus**

- The creation of a channel of cooperation with international and European sectors in the field of vocational education and training
- In the cultivation of European consciousness, action and thought and multicultural culture
- The improvement of the quality of education provided in vocational training and vocational guidance
- The development of sustainable cross-border cooperation. Our school will support students by offering alternative ways of reintegrating the "lagging" pupils and giving opportunities to improve their self-esteem and / or integration
- The enhancement of student autonomy and critical thinking
- The enhancement of learning incentives and the creation of attractive top-of-the-range training programs

The whole project will provide an important basis for raising awareness of local citizenship in terms of European citizenship and the opportunities offered by the EU, transferring know-how and improving services by transferring pupils' experiences and fostering a positive attitude towards lifelong learning, is expected to contribute to local and regional development through the "expertise of potential professionals". It is also expected that the project will benefit partners as well, as pupils will be able to provide information on the needs of local labor markets and provide the opportunity to network and further exchange of services.

Finally, the plan is expected to be disseminated to all the above groups in a variety of ways, and much of the project is the assessment. Assessment is a process that will be applied internally but also by external factors and the findings will be a benchmark for fulfilling future actions for our students.

**Κωδικός** 2019-1-EL01-KA102-062200

**Τίτλος Σχεδίου** Σχεδιασμός Branding και Συσκευασίας Οίνων

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΡΑΦΗΝΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The program titled “BRANDING DESIGN AND WINE PACKAGING” was designed to enable trainees to learn the dynamics of the label and packaging and how they can evolve into basic marketing tools and contribute to the diversification of wine on the shelf. It mainly refers to creative ideas and techniques that can “animate” the label and transform it into a means of communicating with the consumer.

Participants will have the opportunity to learn from wineries, cooperatives and associations and bodies involved in the promotion of wines from France, in particular Bordeaux and Portugal, label design techniques and the importance of branding for branding and creation of goodwill in wines.


The central aim of the project is to develop the creativity of the trainees by becoming familiar with the ever-evolving technological potential in terms of branding and wine packaging design. In particular, the educational objectives of the project are analyzed as follows:

- Knowing the design of wine packaging
- Understand the packaging stages
- Labeling and packaging
- Familiarity with new packaging applications
- Branding’s contribution to packaging
- Linking branding with wine advertising and marketing.

The 44 participants will travel for 16 days in France and Portugal, and more specifically in SCEAPIQUE RUSSE and Associação Intercultural Amigos da Mobilidade - AIAM. Respectively. These countries have been selected because the winemaking industry is particularly well developed, but also the recipient operators have considerable experience in lifelong learning programs, namely wine-growing / wine-making and wine promotion.

The purpose of the project is to transfer good practices and know-how to major French and Portuguese companies in Greece, knowing the importance of the label in building the image of Wine, diversifying the product and creating a relationship and emotional approach with the consumer.

The program was designed jointly by students from the Graphic Arts, Information Technology, Administration and Financial Services of the Consortium (1st RAPINAS EPAL - Partner Coordinator, Epinal EPAL Rafinas - Partner and 3rd EC of Eastern Attica - Partner). This coexistence of the specialties was not accidental, it has an experiential character. As in a business, the corresponding departments and specialties must work together, so in the project. After the educational mission, the student groups will create their own Mockets, which they will present to the Athens Chamber of Industry, inviting standardized wine units to exhibit their work and the results of the project.



The educational content of the project is distinguished in: 1. Theoretical Education, 2. Workshops with the participation of oenologists, agronomists, viticulturists, and 3. Job visits in wineries, cooperatives and associations, organizations involved in the promotion of wines.

Consequently, the learning outcomes expected to be obtained through the implementation of this project are:

- know the design of wine packaging
- understand the packaging stages
- know the regulations and legislation governing packaging
- Understand the packaging and label relationship
- familiarize yourself with new packaging techniques and applications (transparent / folding labels, use of special papers, promotional items, gift packs)
- Understand branding's contribution to wine packaging in sales promotion
- Design the brand of a wine
- Apply the label and packaging to wine marketing.

In conclusion, the long-term benefits that student will gain from participating in the project focus on:

- adopting and maintaining quality standards in training,
- improving and modernizing curricula,
- maintaining open channels of communication with foreign bodies and enhancing cooperation,
- the ability to recognize and certify the learning outcomes acquired,
- developing and consolidating a culture of extroversion, communication, collaboration, lifelong learning and quality assurance.



**Κωδικός** 2019-1-EL01-KA102-062203

**Τίτλος Σχεδίου** Ανάπτυξη και Συντήρηση Μονάδας Βιοαερίου από Πτηνοτροφικά Απόβλητα

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΜΕΓΑΡΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The economic and energy crisis that we all live strongly today has made it imperative to find alternative forms of energy to meet our growing energy needs, Renewable Energy Sources (RES). An important contribution to Greece's energy balance, replacing pollutants and imported fuels, may be the biogas produced during the processing of livestock and urban waste water.

The European Union today covers a large proportion of its energy needs with biomass. Biomass participation and biogas production is expected to play an important role in energy production at European level. As a direct result of this objective, it is expected to be the reduction of greenhouse gases, the reduction of nuisances from the non-rational waste management and the creation of new jobs in mainly rural areas.


The development of poultry farming in the Megara region has led to the production of huge quantities of animal waste and to the creation of inconvenient problems with their processing and disposal in the environment. Besides, the Megara Poultry Association, in cooperation with the poultry units and in cooperation with the region, is taking action to create a Bioreactor Manufacturing Facility to solve a major problem that exists in the area and that is the poultry waste.

Our school, in the light of these developments, wanted to proceed with the design of the "Biogas Unit for the Exploration and Maintenance of Poultry Waste" program so that it has already trained individuals and ensure the transfer of know-how in the Megara area, while helping to employ students. Trainees will have the opportunity to examine all the critical points of designing a biogas plant, its maintenance and its operation.

**PROJECT CONTRIBUTION:** In designing and implementing the project, the EPAL acts on the basis of successful adaptation and improvement of the participants' skills to better meet the growing needs of the labor market and to make them more competitive will have the appropriate skills to make a business more efficient. Through this project they are given the opportunity to take advantage of the changes taking place in key areas such as energy and the environment.

Thus, participants are expected after the end of the project to:

- Know the operating principles of generators, their types and their particularities
- Understand the parts existing in a biogas plant
- Familiarize yourself with how to select the interface of the unit
- Calculate the losses of the power grid
- Select the equipment in a unit
- They know how to build a unit

- 
- Familiarize with the construction
  - Understand the construction of a substation and substation network
  - Know the maintenance & operation of a Biogas Unit
  - Perform maintenance of electromechanical PCs
  - Apply the plant maintenance plan
  - Plan and install biogas plants (collection, storage and refinement of feedstock, feed system, accessories and piping, heating system, digesters, agitation technologies, storage of biogas, biogas cleaning, compost storage, control units)
  - Choose the appropriate type of digester - the most basic element of a biogas plant - to use it, maintain it
  - Apply hygiene rules based on European and international standards, taking all necessary preventive and harm-reduction measures.

The program will take place in Germany and Poland because they are countries that have developed action in the production of electricity from poultry and livestock waste, and there are units that can be placed by trainees. Also Hosts UVE and My Future secured us a comprehensive training program through which students will enhance their knowledge in this subject. The project will involve 40 students (20 per flow) of engineering and electrical engineering.

The project is expected to have an impact both between the participating organizations and the participants by transferring the know-how of a foreign country to the Greek reality. Lastly, we have already planned with the host organizations to use all those educational methods (role playing, simulations, active learning, etc.) in order to achieve the best possible learning outcomes.

**Κωδικός** 2019-1-EL01-KA102-062204

**Τίτλος Σχεδίου** Το Εσπερινό ΕΠΑΛ Καλαμαριάς στην Ευρώπη

**Συντονιστής** ΕΣΠΕΡΙΝΟ ΕΠΑΛ ΚΑΛΑΜΑΡΙΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Evening Epal is located east of Thessaloniki in Kalamaria and co-located with the daily EPAL of Kalamaria. Our school is a new structure since it was founded in 2017. Courses as well as all Evening Schools are from 18:00 to 22:20. The school-housed building complex is fully equipped and contains 26 classrooms, 25 workshops, amphitheater teachers, etc. The majority of the students are adults and most of them come from social and economic groups with fewer opportunities. Most of our students had stopped their studies in the past mainly for economic and family reasons and now through our school they are given a second chance to complete their studies. Some of our students returned to school to acquire a professional qualification and look for a job with more claims. So the contribution of our school to the fight against unemployment is great and we have as a goal and vision to give students the skills that will make them wanting in the job market.

This is the main reason why we are applying to participate in a European Mobility Program. We believe that the ability of our students to practice in a business in Europe, living and working at the same time the everyday life of a European city, will be a life experience for them.

The program will include 18 students 6 from each of the sectors listed below all students with fewer opportunities. The areas where the students come from are:

- Economy and administration
- Food and environment agriculture
- Welfare health

The expected learning outcomes for our students will be to acquire work experience and develop their professional skills. However, the benefits of the students from participating in the program do not stop here as our students will increase their level of English but also gain the ability to work with people coming from another country. These supplies are deemed necessary by businesses nowadays.

The goals for each group that will participate in the program are:

- **Students:** acquiring work experience, improving their knowledge, improving communication in a foreign language, working in a multicultural environment, enhancing their European identity, exchanging ideas and culture with the employees of a foreign enterprise.
- **Teachers:** Upgrading their knowledge, transferring know-how, organizing skills, upgrading their professional profiles, improving communication in a foreign language, enhancing their European identity.

- **School:** Enhancing the extroversion of the school, upgrading the curriculum, creating a network of partners, connecting students to the labor market, experience in organizing and implementing European programs, upgrading vocational education.

The participation of our school in the Erasmus+ program, in addition to the advantages it will give to the stakeholders, is expected to give many benefits to the city of Thessaloniki in which we are located, but also to the wider region of the prefecture of Thessaloniki. The country and, by extension, Europe will benefit from the dissemination of the Erasmus+ program.



**Κωδικός** 2019-1-EL01-KA102-062206

**Τίτλος Σχεδίου** Νέες Τεχνολογίες στα Συστήματα Υγείας της Ευρωπαϊκής Ένωσης

**Συντονιστής** 7<sup>ο</sup> ΕΠΑΛ ΛΑΡΙΣΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The health sector is a rapidly growing sector where the role of technology is important. Informatics and the Internet have made it possible to stream medical data, thus contributing to the integration of health care provision.


The use of New Technologies in Health sector is of great value, as it can greatly improve patients' lives, but also access to prevention, early diagnosis and treatment. The specialization of information technology in health provides usable and efficient solutions to the human potential of the sector and to the citizen/patient itself. The socio-economic changes that have taken place the recent years, such as demographic changes and the ever-increasing cost of health services, and the geomorphology of our country, make it imperative to introduce new technologies into the health system.

The overall aim of the project "New Technologies in Health Systems of the European Union" is to familiarize the participants and to acquire specialized knowledge and skills regarding the basic principles, tools and structure of the new technological environment in the health sector where the interaction information technology with communications, nanotechnology and robotics greatly enhance services to citizens.

In addition, the objectives and expected results of the project are:

- 1) Satisfying the recorded training needs of the students in the fields of Informatics and Health-Welfare as they arise from the developments and the modern trends of the new economic reality and the needs of the labor market
- 2) Improving career prospects and career prospects of beneficiaries after their training and relevant work experience in countries such as Germany and Portugal with highly organized Health sectors and high know-how in the provision of services
- 3) Improvement of personal and social skills such as teamwork, collaboration, communication skills, adaptability, problem solving
- 4) Improve their language skills and develop intercultural competences
- 5) Acquiring work and living skills in multicultural environments
- 6) Understanding the importance of lifelong learning and the European venture

The project will include 32 students and 4 accompanying professors divided equally into two flows of 2 weeks each to Germany and Portugal. The students will be selected from the Informatics and Health-Welfare sectors of 7th EPAL and are students from families with low socio-economic backgrounds. Many of them are forced to work occasionally to improve their standard of living.



Participants will follow a program combining vocational training with seminars, simulations and case studies, with technical visits and work-based learning in public and private health sector enterprises and organizations, complemented by technical and cultural visits.

In addition, long-term benefits such as:

- Increasing the accessibility, extroversion and internationalization of public Vocational Education-Training, enhancing the recognition of our school
- Improving the quality of the training provided in the 7th EPAL by enriching the curriculum with new specialized knowledge and methods from EU countries
- Developing positive attitudes towards technological developments, innovation, partnerships, the European dimension in education and lifelong learning
- Increasing the incentives to participate in innovative actions

The two project flows will be implemented in autumn 2019 and Spring 2020 in Portugal (Lisbon) and Germany (Leipzig).



**Κωδικός** 2019-1-EL01-KA102-062210

**Τίτλος Σχεδίου** Ευρώπη: Η Κοινωνία της Γνώσης

**Συντονιστής** 1<sup>ο</sup> ΕΚ ΚΟΥΦΑΛΙΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

EK Koufalion is well-known for the laboratory support offered to the pupils of EPAL of Koufalia, EPAL. Ag. Athanasios and the DIEK of Koufalia. It provides quality education to all students during their studies and tries to support them in their professional rehabilitation.

It always strives to keep pace with technological developments as far as possible and to modernize the means of vocational education because we want our students to be familiar with the tools and methods used by each specialty and not to be too far from the theory of the act.

As part of the European internship, pupils will acquire new knowledge, broaden their horizons through cultural and multicultural activities, and most importantly, they will work in a normal job abroad. Thus they will understand what the requirements of this position are and what benefits they can derive. Associate teachers will play an important role in the transfer of new knowledge, teaching methods and technological advances to the EPC.

They will practically apply everything they have seen and learned in their journey and will help the other teachers do the same. An internship in a large overseas business based on an elaborate program by a person with experience in the subject is expected to offer our students and students the necessary work experience that they cannot acquire in our country.

Moreover, their contact with the professional environment of a foreign country and their acquaintance with a different working reality is expected to broaden their professional perception and to improve their employment prospects in our country. Our students will become more social and independent with a tolerance to the different. Familiarity with a multicultural environment will make them more receptive to change and new faces.

Their aim is to develop their level of knowledge and to consciously acquire the identity of the European citizen. Partner search has begun since September 2018 and this was undertaken by the Director and the Deputy Director through our acquaintances and the internet. In April 2019 we will make a first presentation of the program at school. The rest of the training staff will be informed as soon as our application is approved and there we will share roles. Student preparation will begin with the beginning of the new school year in September 2019, will be completed in early November and all students will be involved in the preparation. November 2019 is the month of mobility. Prior to mobility, students will be informed with all details of the timetables, insurance, accommodation, tasks, documents required but also telephones, emergency addresses. The trip will be by plane and all the students will stay and eat at the same place.

All the management of the program is the responsibility of the Director-Coordinator, but teachers have an important role to play in preparing them.

Throughout the organization, implementation and dissemination of the results of the program, the communication of all the involved persons is continuous. The contact with the host partners is based on the phone and the skype. The final selection of the hosts was based on the professional skills that students want to acquire and which of the partners in Hungary and Austria can meet the needs of our students.

In the mobility we are planning, 20 students will participate and will be distributed as follows:

- 5 students from the Nursery School in Budapest
- 5 students from Electrical Engineering in Budapest
- 10 students from Vehicle Engineers in Vienna

Associate teachers will be present at meeting the supervisors with each supervisor and visiting businesses at intervals to see the situation. In co-operation with mentors, they will evaluate students' progress each day, draw up the work program or modify it when there is a problem.



**Κωδικός** 2019-1-EL01-KA102-062212

**Τίτλος Σχεδίου** Εκπαίδευση και Πρακτική Άσκηση στην Ευρώπη

**Συντονιστής** 8<sup>ο</sup> ΕΚ Α΄ ΘΕΣΣΑΛΟΝΙΚΗΣ (ΕΠΑΝΟΜΗΣ)

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Laboratory Centers are educational institutions under the jurisdiction of the Ministry of Education, Research and Religious Affairs and act as autonomous administrative structures. Laboratory Centers have the possibility to serve IEKs, EPAs and SEKs in their wider area.

More specifically, the 8th Laboratory Center is located in Epanomi and hosts students of the 1st EPAL of Epanomi and students of DIEK Epanomi and operates under the direction of Mr. Athanasios Bibilakis. Within the Laboratory Center, one will come across all those specialties in which the need for practical training is of major importance and these laboratories are a great deal to emulate a real work environment. Nevertheless, the Laboratory Center's administration does not complain and constantly seeks new ways to offer its students the best possible education. Having participated in previous years in European programs, and knowing the benefits we have decided to apply for participation in this year's Erasmus + mobility program. With the submission of the application, various procedures will be initiated, focusing on the selection of students who will attend the program and the accompanying teachers as well as a variety of activities that will contribute to the acquisition of the necessary qualifications and experience that will be useful in such an exercise. As the Laboratory Center hopes to send abroad 20 people from four areas of expertise, it is clear that two flows of mobility will take place, one in the beginning of November and one in February.

These areas are as follows:

- Department of Health, Wellbeing and Welfare
- Department of Mechanical Engineering
- Department of Informatics
- Department of Maritime Occupations.

These areas have been selected as they are the ones with the greatest growth and development and the work needs of our country by highly trained professionals are serious. In the period before mobility, various activities will be carried out so that students acquire all the necessary knowledge and psychological background to cope with the needs. They will be provided with all the documents necessary for their safety and information on life and work in accordance with Western European standards. While mobilizing students and attendants should be worthy professionals, be consistent and efficient in their duties and observe and evaluate all aspects of the work of the partner. All these observations and assessments will play a key role in the impact of the program on both the participants and all those who will receive the results. Such a great program will prove to be of great importance for the Laboratory Center's students as they will graduate from being excellent professionals, but also for companies in the wider region that will turn them into individuals capable of leading them to a rapid development.

**Κωδικός** 2019-1-EL01-KA102-062213

**Τίτλος Σχεδίου** Εργασιακή Εμπειρία σε Ευρωπαϊκές Επιχειρήσεις

**Συντονιστής** ΔΙΕΚ ΝΕΑΠΟΛΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The PUBLIC IEK of the Municipality of Neapolis is a public body that aims to provide its students with the appropriate professional knowledge and training to become excellent professionals in the future. The Institute for Vocational Training of the Municipality of Neapolis was founded in 2014 and since then it is one of the country's top IEK. Students wishing to study there have the opportunity to choose their field of study between 10-15 specialties offered each academic year. In the mobility program there is an interest in the participation of 49 IEK students coming from the following specialties cause despite the crisis that plagues the country, there are many job opportunities, while the possibility of satisfactory practically non-existent:

- AESTHETIC ART AND MAKING (7 students)
- INTERNAL ARCHITECTURAL DECORATION AND DESIGN OF OBJECTS (7 students)
- PAPER AND ELECTRONIC INSTRUMENTS IT APPLICANT (7 students)
- THE TRAINER OF ARTISTIC ART (7 students)
- ELECTRICAL INSTALLATION ENGINEER (7 students)
- TECHNICAL ENGINEER OF THERMAL INSTALLATIONS AND ENGINE ENGINEERING OF OIL AND NATURAL GAS (7 students)

Following the approval of the program's participation, IEK will proceed with a variety of actions appropriate to its best realization. Initially, students will be given a responsible participation statement, and those who declare interest will go through some tests of English language skills and a rigorous assessment by the IEK's management and training staff. Then those who will follow the program will take part in various activities that will help them to be well prepared for their upcoming trip, such as intensive English lessons. While the teachers will be instructed to inform them about the necessary papers they will have to provide and of course all the details they need to know before and during the trip abroad.

The impact of the project is believed to be positive for all participants. First of all, students will have the opportunity to do their internship next to renowned professionals and assimilate new know-how. The fact that internships take place in another European country in the context of a European program will enhance the feeling of European citizenship. Also, the experience they will gain from the program will broaden the horizons of their professional rehabilitation within and outside Greece. They will also have the opportunity to improve the knowledge of the English language, since English is widely used in the work environment and to foster their self-confidence.

The effect will also be positive for accompanying teachers who will have the opportunity to acquire valuable education, which is not provided by the Greek educational system. In addition, they will develop skills such as accountability and timetables, while grassroots solidarity will be cultivated. Finally, the Public IEK of Neapolis will be extremely beneficial from its participation in the program, since all of this will lead to its modernization, turning it into an attractive for the students Educational Institution.

**Κωδικός** 2019-1-EL01-KA102-062214

**Τίτλος Σχεδίου** Ενσωμάτωση στο Πλαίσιο των Ευρωπαϊκών Επαγγελματικών Δεξιοτήτων

**Συντονιστής** ΔΙΕΚ ΚΙΛΚΙΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

D. IEK Kilkis is a public educational organization, created in 1994 and till today have graduated from its departments over one thousand of highly trained professionals. Its students are adults who have completed their studies in General or Professional Lyceum, Educational Training Schools and Apprenticeship Schools of the O.A.E.D as well as in Higher Education Departments. Both IEK facilities and the new technologies were used to create excellent professionals who know how to deal with the 21 century challenges, able to adapt in any demanding environment.

The aim of Erasmus+ is to provide students with work experience that will help them in their professional development as well as their employability in the Greek and international labor market. While accompanying teachers will come in contact with all the latest developments in their field. The program is expected to be attended by 15 trainers of the Department of Administration and Economy in the Tourism Sector with the accompaniment of teachers and trainers. This section was chosen as the region is rapidly acquainted with tourism and the new knowledge acquired at the end of the program will be extremely useful for the professional future of students. The trainees who will attend the program will be selected on the basis of strict criteria and their financial status will play an important role, as people from lower social groups will be preferred, which may be their only opportunity to gain such knowledge and experience.

The activities and methodology to be used to implement the program will address this need. Of course, once the application is approved, personal interviews with students, their preparation in English will be carried out, activities aimed at strengthening team spirit as well as individual self-confidence. An event will also be held to provide detailed information on everything related to the mobility program shortly before January 2020. While all the formal and non-traveling details will be arranged in conjunction with the other organization in the months that follow. During practice, both trainees and escorts will take notes on what's happening. With their return to Greece, meetings, seminars and activities will take place even online at platforms to make the impact of the project known.

While IEK's long-term goals include the best professional training for its students in order to become competent and competitive professionals in the field of Tourism. Also, through the dissemination of the mobility program, the reputation of D. IEK Kilkis will grow and the number of students as well.

**Κωδικός** 2019-1-EL01-KA102-062216

**Τίτλος Σχεδίου** Ευρωπαϊκή Πρακτική για Άτομα με Ειδικές Ικανότητες

**Συντονιστής** 1<sup>ο</sup> ΕΕΕΕΚ ΔΗΜΟΥ ΠΥΛΑΙΑΣ ΧΟΡΤΙΑΤΗ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The 1st Special Vocational Education and Training Workshop (SVETW) of the Municipality of Pylaia Chortiati is a Secondary Education School of Eastern Thessaloniki and is housed in EIC in the area of Panorama. SVETW is attended by people with deafness and comorbid problems and 14 to 22 year-olds with diagnosed developmental disorders and various syndromes as well as people with cerebral palsy. This year, 36 people with disabilities attend our school and the staff consists of 33 people, 3 of whom are the special educational staff. The duration of school attendance at school is six years, during which students are taught General Education courses, such as Modern Greek Language, Mathematics, Physical and Aesthetic Education and Informatics. Also included in the timetable are the courses related to the field of specialization of people in agriculture and pottery-craftsmanship.

An important role in the development of individuals at the personal, interpersonal and professional levels is played by the support team consisting of a psychologist, speech therapist, physiotherapist, occupational therapist and social worker. This year, for the first time, the SVETW decided to participate in a European mobility program and send out six students, three from the agriculture sector and three from the handicraft sector at the Bundesministerium für Land Forstwirtschaft, Umwelt und Wasserwirtschaft (Schönbrunn) Vienna, considering that disabled people will be accepted in the professional sector and their exclusion will be lifted.

Our goal is to show the disabled population and to be accepted in the wider region in order to integrate into a working status and to implement the knowledge and techniques already acquired in the workshops in a real workplace. Also, the objective of the program is to acquire know-how in practice and professional rehabilitation of people with disabilities. Finally, enhancing the interaction between trainees and already working people is an important development factor.

The movement of people abroad is planned to take place in November 2019. In order to evolve with absolute success it is important that from the approval of the application until the trip our school remains faithful to the Program Management Plan and to carry out all the necessary preparatory actions. The actions to be taken relate to the psychological and psychological preparation of the pupils through activities that will strengthen the feeling of their teaminess and the self-confidence to be governed by them. The supervision of the timetable has been attended by teachers, whose role is critical during the practice as well as with the supervisor appointed by the organization; they must be at the side of the students, advice them and direct them for the best a possible result.

Through our participation in the program we will change the profile of the SVETW for the better and, of course, important steps will be taken to ensure that people with a disability do not live on the sidelines and have the same job opportunities in any field.



**Κωδικός** 2019-1-EL01-KA102-062217

**Τίτλος Σχεδίου** Διατηρώντας τη Νεολαία και τους Επαγγελματίες Υπεύθυνους και Ενήμερους στην Επιστήμη

**Συντονιστής** 2<sup>ο</sup> ΕΠΑΛ ΕΛΕΥΣΙΝΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The 2nd Vocational School of Eleusina “Keleos” is a school unit that has been operating since 1973 and provides general and vocational training in various fields, such as Electronics, Electronics and Automation, Mechanical Engineering, Marine Professions, Informatics, Health and Welfare, Economy. According to our strategic planning, it is necessary to improve the education we provide, to arrange practical training for our students, to provide training opportunities for our teaching staff with the ultimate goal of the overall upgrading of the school unit.

We are submitting this application in order to participate in the ERASMUS + KA102 European Mobility Program and concerns the specialties of Electrical and Mechanical Engineering with a mixed student flow of 12 student plus 2 accompanying persons (Total persons 14). Additionally, a flow of teaching staff of 10 people will participate for an 8-day ICT training. The mobility will take place in Cyprus in collaboration with our partners RATIO and ERCI, who have extensive experience in the field of education and the implementation of European programs.

We believe that our participation in the European Mobility Program will be of great importance for the modernization of our school, which is located in a region that has been touched by the economic crisis and is characterized by unemployment and poverty. The program will provide our students work experience in real working environment and develop their specific skills. At the same time, the teachers of the school will receive significant ICT training and will be provided with material and knowledge to upgrade their educational activity.

The benefit to the local community will be particularly great as the know-how and innovation acquired will be diffused into the local and regional community. The evaluation and dissemination of results will encourage other schools to seek their participation and networking with schools and organizations abroad.

**Κωδικός** 2019-1-EL01-KA102-062220

**Τίτλος Σχεδίου** Αθλητική Φυσικοθεραπεία: Τεχνικές Αποκατάστασης Μετά από Τραυματισμό ή Χειρουργική Επέμβαση

**Συντονιστής** ΔΙΕΚ ΘΗΒΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The program titled "Sports Physiotherapy: Rehabilitation Techniques After Injury or Surgery" aims to meet the requirements set by the International Federation of Athletic Physiotherapy (IFSPT) by providing the students of the Specialty Sports Coach and Occupational Therapist with the necessary equipment for a perfect and effective exercising of their duties in the wider area of rehabilitation and, in particular, in competitive and mass sport, general physical activity and recreation sports.

The aim of the project is to train young people to acquire scientifically well-documented knowledge and high-level skills to promote safe and effective physical activity and to enable them to work as specialized Physiotherapists. They are also able to advise athletes and athletes, design rehabilitation programs to prevent and repair injuries, maximize performance and restore the functional ability of athletes and athletes of all ages who are injured or have motor impairments. The program is in line with the skills set by the International Federation of Sports Physical Therapy (IFSPT).

### Goals:

- Evaluating, preventing and restoring sports injuries
- Deepening the modern techniques of athletic physiotherapy
- The application of modern techniques of athletic physiotherapy to the athletes
- Understanding, practicing and gaining experience of experimental instruments and methods used in athletic Physiotherapy
- The development of students' research capabilities in order to promote knowledge in the field of athletic physiotherapy.

The program's outlook is to enhance the scientific identity of the physiotherapist in sport with ongoing training that will limit the scientific qualifications of physiotherapists, strengthen their professional identity and ensure excellent prevention and treatment at a high level.

Upon completion of the program, students are expected to be capable:

- Assess the risk of injuries associated with the participation of an athlete in a particular sport or physical activity. Inform and educate athletes and other professionals about how to prevent injuries and relapses.
- Respond directly and properly by providing first aid to the acute injury that will occur in the field.
- Use the clinical findings and the therapeutic skills they will gain in assessing sports injuries to design and implement interventions based on research evidence aimed at safely returning to the optimum level of performance of the injured athlete.

- Contribute to improving athletes' performance by assessing their physical condition and advising or intervening to optimize the conditions for maximum performance in a particular sport, within the framework of a multi-team approach.
- Work with other professionals to promote safe participation in sports activities and for people of all ages and different physical abilities.
- To acquire the ability to evaluate and synthesize existing knowledge derived from specialized research in Athletic Physiotherapy, as well as from interdisciplinary and multidisciplinary approaches.
- To develop research capacity of problematic theoretical nature, formulation of investigated cases, planning and conducting research, as well as analysis, interpretation and presentation of results, and
- Communicate knowledge about therapeutic exercise as a means of promoting health, health and the quality of life of citizens.
- Apply therapeutic exercise to improve the quality of life of specific population groups.

Participants will follow a cohesive training program tailored to their educational needs and include training sessions, workshops, thematic and cultural visits. All the educational methods of adult education (brainstorming, active participation in all stages of education, linking theoretical knowledge with practical applications) will be followed in order to achieve the best possible results.

It is expected that 32 students will participate in the mobility (16 per flow) of the specialty Sports Coach and Occupational Therapist, who will travel for 15 days to Cyprus to INTERCOLLEGE, who has a great experience in lifelong learning programs and especially with the subject of the project since it is also the subject of its work.



**Κωδικός** 2019-1-EL01-KA102-062221

**Τίτλος Σχεδίου** Πρακτική Άσκηση στο Εξωτερικό για τους Μαθητές του ΕΠΑΛ Αμπελοκήπων

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΑΜΠΕΛΟΚΗΠΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The 1st EPAL of Ampelokipi is located in the city of Thessaloniki and the attendance is three years, while general education courses are taught, but also their fields and specialties. This academic year we saw 293 students enrolled in our school, ages 16-19, with few exceptions for older students. The teachers who serve at our full-time school are 40. All teachers have years of teaching experience, they are constantly seeking information and personal development by attending workshops and conferences, and several of them before being appointed to the public have worked with great success in the private sector. While at the end of their studies they obtain a Bachelor's degree and a Degree in their specialty.

The management of the EPAL and its educational staff are aware of the needs of today's society for people who are well trained so that there is a wealth of knowledge in every area. For this reason, and in consideration of our country's shortcomings in vocational education and training, we have decided to apply for participation in the Erasmus+ European mobility program, claiming for our students the practical training they need. More specifically, this year's mobility program decided to take 28 students from the total of 293 students attending the EPAL.

The areas where students will participate in the program are as follows:

- Department of Health-Welfare-Wellness
- Department of Economics and Management
- Department of Mechanical Engineering
- Department of Informatics.

After the application is approved in May 2019, an extensive process of student preparation will be launched, involving themselves, the co-teachers and the project coordinator in cooperation with the foreign partner.

The preparation will concern the settlement of practical issues such as travel, accommodation and documents concerning the insurance of the participants as well as various activities that will be undertaken in order to acquire the students all the necessary mental resources but the theoretical knowledge concerning their field of expertise. The move is expected to take place in March 2020 and last for two weeks. During the trip, the participants will be called upon to work hard and to carry out their assignment, bearing in mind all the knowledge they have gained until that time. By returning to Greece, they will have to undertake to develop an extremely important part of the overall program, to evaluate and disseminate the results, so that a general comment can be drawn on whether and to what extent its objectives have been achieved. The evaluation is expected to be completely objective as all participants will evaluate and evaluate during the practice. The set of these evaluations will be organized and after many discussions the final result will be obtained which will judge the success of the program.

Part of this success is to what extent the results have positively influenced participants and the wider society.

**Κωδικός** 2019-1-EL01-KA102-062222

**Τίτλος Σχεδίου** Κατάρτιση σε Βιοκλιματικές Αναβαθμίσεις Κτιρίων

**Συντονιστής** 3<sup>ο</sup> ΕΚ Δ ΑΘΗΝΑΣ-ΝΕΑ ΣΜΥΡΝΗ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Protecting, enhancing the natural environment and adapting to the local climate as well as integrating energy saving systems, renewable energy sources and environmentally friendly materials into buildings are the main pillars of the Sustainable Energy Design of Buildings and the Built Environment.


Having as central axis EU directives towards green growth, scientific research has achieved very significant results in the field of energy upgrading of buildings. Applying the new technologies and techniques that have emerged will have tremendous environmental benefits. Boosted by Community subsidies and the medium to long-term economic benefits of reducing energy needs, many businesses and individuals are keen to upgrade their building infrastructure to improve overall energy efficiency, reduce maintenance and operating costs, and of losses. As a result, there is an increased demand for skilled staff who can meet energy upgrade services.

The program "Training in Bioclimatic Building Upgrades" aims to specialize the Mechanical and Electrical Engineers of the 3 EK D Athens in order to work in the construction sector on Bioclimatic Building Upgrades, contributing to the needs of both students and the market work. The project will actively contribute to the immediate implementation of EU directives on the Energy Performance of Buildings, the promotion of renewable energy sources, the implementation of energy saving measures and the achievement of high environmental quality.

Through the implementation of the project, the beneficiaries will gain valuable experience and important resources to achieve the following specific educational objectives in terms of:

- Understanding the basic principles of bioclimatic design
- Performing audits and measurements to record energy requirements
- Knowledge of the process of heat dissipation - thermal losses
- The use of applications of passive - active solar systems
- The perception of the possibilities of lighting - shading of a building
- The application of thermal insulation and sound insulation techniques
- Information on techniques and types of ventilation
- Installation of green roof - types, function, benefits, cost
- Drawing up energy reports
- An understanding of the legislation on building inspection.

The project will involve 44 students, who will travel to Spain for 15 days and more specifically to Barcelona, where Aemifesa hosts, the Association of Barcelona installers, will provide the appropriate theoretical training by qualified scientists and professionals, as well as work visits and placements



to organizations and companies where they will receive training and updating on innovative building upgrading applications.

Aemifesa is the Union of Installers in Barcelona, offering vocational education and training to students to meet their needs. It offers theoretical training classrooms, as well as laboratories well equipped with the most innovative products on the market for acquiring skills teaching air conditioning, heating, home automation, cooling, renewable energy and so on. He also has extensive experience in implementing vocational education and training programs.

At the end of the implementation of the project, the trainees are expected to gain valuable experience and important resources and are identified in the following results:

- Perform audits and measurements to record energy requirements
- Development of feasibility studies and energy consumption targets
- Support in finding appropriate funding
- Install an upgrade program
- Provision of maintenance services
- Monitoring and drafting of energy reports.

The specialization attempted through the program will also assess vocational integration, improving the basic skills and competences of the participating trainees. In addition, however, they will help them to understand and evaluate lifelong education and training and the benefits of participating in relevant training programs.

In particular, the implementation of this mobility plan has as its ultimate objective and potential long-term benefits, such as:

- exploring ways of connecting with the labor market as well as the developments taking place in it according to the subjects of the school unit
- fostering intercultural awareness among trainees
- Combating stereotypes and attitudes in the context of lifelong learning
- providing equal opportunities to people from low economic, educational and social backgrounds.



**Κωδικός** 2019-1-EL01-KA102-062227

**Τίτλος Σχεδίου** Επαγγελματική Εκπαίδευση στην Ευρώπη

**Συντονιστής** ΟΑΕΔ ΕΠΑΣ ΚΑΒΑΛΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

EPAS OAED KAVALAS is a public vocational training organization that is one of the main public education institutions in the center of Eastern Macedonia & Thrace and feeds the labor market with highly trained young people and new people in its core fields. The aim of the school is for young people and young people to complete their studies to have these skills and knowledge so that they can develop their own career path and career.

The co-existence of theory-workshops-practice offers a complete training and gives the trainees the opportunity to see the application of what they are taught in the classroom under normal working conditions. In addition, it enables students to get in touch with employers and enrich their curriculum since their student years. A key area that we would like to strengthen for our school is to develop our students' skills to look for work in other cities as well as in different regions of the European Union. We also want our students to enhance their skills through acquiring work experience in a different environment. This will also benefit adjunct professors who will enrich their CV and keep pace with European developments.

Through our mobility and cooperation programs, our organization aims not only to support the participating students but also to collecting all possible knowledge for the whole school. An important role in this is played by escort trainers, whose role is both to organize and implement the program, and to disseminate the experience and knowledge they will receive, the OAED Kavala EPAS Professional School participated in a similar project funded by the LEONARDO DA VINCI program and entitled Improve my skills in Europe or European citizenship in vocational training. Our partner in the program was the Nuremberg Municipality and it was implemented for 2 weeks in April 2014. Twelve pupils - those with the best score - and two escort teachers participated in the program. The program left all participants the best impression, giving rise to a search for similar programs that will enhance our students.

Mobility is planned for the second half of March 2020 and the city where we want our students to practice is Barcelona. Mobility will include 5 pupils from bakery and confectionary technicians, 3 engine and car engineers, 2 refrigeration and air-conditioner technicians and 5 computer system support technicians. The first contact we had with our partners was via e-mail and Skype and from there we helped us a lot in arranging the details. The pupils who will participate will be from the 2nd grade of our school during the school year 2019-2020. Our pupils are mostly 16 to 20 years old but we also have older students who decided to take up one of the school's specialties for personal reasons. Most of these are children of low income families who have been unable to continue their studies at the single high school. Also, 20% of our students are immigrant children.



The choice of students for mobility will be based on the following criteria:

- 1) Economic situation
- 2) Behavior and motivation
- 3) English language
- 4) Average performance
- 5) Student committee suggestions

Students' pre-mobility preparation starts from the approval of the application until the travel to the host country. In September 2019 we will inform students about the mobility and parents of our underage students. Their preparation will take place between September 2019 and February 2020.

Through the internship we wish students:

- 1) Understand the requirements of the work environment
- 2) to see effective working practices
- 3) Understand positive attitudes and attitudes in the workplace
- 4) learn ways of communication
- 5) to see the career opportunities of their specialties
- 6) learn to use communication skills

Children seeing working conditions abroad have a unique opportunity from their school and a strong motivation to pursue a career abroad. Teachers will compare the situation in the two countries and understand the usefulness of foreign languages and lifelong learning.

The ECVET Action Plan sets out the objectives and the expected results. The mentor from the internships will prepare a summary of the pupil's performance through student assessment sheets and mentor assessment sheets, in relation to the ECVET and the WORKPLAN we have prepared.

**Κωδικός** 2019-1-EL01-KA102-062231

**Τίτλος Σχεδίου** Πρακτική Άσκηση σε Ευρωπαϊκές Επιχειρήσεις

**Συντονιστής** 14<sup>ο</sup> ΕΣΠΕΡΙΝΟ ΕΠΑΛ ΘΕΣΣΑΛΟΝΙΚΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The 14th Evening EPAL of Thessaloniki belongs to the Secondary Education Directorate of Eastern Thessaloniki and serves pupils from both the wider region and other neighboring municipalities. Our school is attended by employees, unemployed with an OAED unemployment card, as well as other classes of students who are unable to attend a Daily High School. The majority of our students' school capacity is made up of adult unemployed, either because of special situations or because of family obligations, they did not complete their studies in time and are looking for new professional outlets. There are also missing cases of pupils coming from families of first and second generation migrants, pupils with special learning needs, as well as pupils from disadvantaged socio-economic environments with risk of marginalization.

The main aim of the school is to provide comprehensive professional knowledge and skills to students in order to ensure a smooth transition into the labor market. Our school also aims at promoting vocational training so that it takes a leading role in the effort to reform our national economy and contribute to reducing youth unemployment in our country. The ability of our school and, by extension, our students to participate in a European Mobility Program will give our students the opportunity to practice in large or medium-sized businesses, to use their knowledge in practice and to experience a work experience which in our country would be difficult to realize.

Our program, if approved, will be implemented in three streams of 36 pupils plus two accompanying teachers for each flow. The first flow is planned to take place in the 2nd half of October 2019 (Milan), the second flow in the first half of March 2020 (Vienna) and the third in the first half of April (Milan). The duration of the mobility for each flow will be 14 days plus 2 days of travel. During the course of the program, pupils will be in the final year of their studies and will thus have the necessary knowledge of their specialty in order to be able to cope with their duties in the business where they will practice.

Students will come from the following specializations:

- Technical Vehicles (8)
- Technology of Electrical Systems, Consultations & Networks (2)
- Techniques of Electronic & Computing Systems, Installations, Networks and Telecommunications (2)
- Technical Food and Drink Technology (6)
- Treatment of Architecture and Landscape Architecture (6)
- Technical Works and Geoinformatics (3)
- Graphic design (3)
- Maintenance of Art and Rehabilitation Works (3)
- Designing and Decorating Interior Designs (3)

For the smooth implementation of the program, all the necessary actions have been taken from the initial stage of finding and communicating with the partners, determining the learning outcomes, the pupil selection process, the way the program is being monitored, as well as all the actions for transport, accommodation, insurance and nutrition of participants. Monitoring of the implementation of the project will be carried out by accompanying teachers in co-operation with the coordinating professor and business managers.

The results as well as the impact of the program will be multiple, the students will gain work experience, the school will strengthen its profile and acquire collaborators in another country, the teachers will be informed about new technologies and practices, the Greek society will benefit by reducing unemployment, businesses will benefit from the vitality and new ideas of students.

In our proposal we attach annexes describing in detail all stages of the program.



**Κωδικός** 2019-1-EL01-KA102-062232

**Τίτλος Σχεδίου** Πρόγραμμα Πρακτικής Άσκησης για τους Μαθητές του Πολυγύρου

**Συντονιστής** ΕΠΑΛ ΠΟΛΥΓΥΡΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Objective of our school with his attendance in the programs of European mobility and collaboration is we give in the students our possibility for practical exercise in companies of abroad. The low options for practical exercise for our students are a fact for the region of Chalkidiki and specifically for mountainous Chalkidiki in which is found our school, where from this region are emanated also our most students. In the wider region of Chalkidiki most big enterprises belong in the branch of tourism that is highly developed in our region. The remainder enterprises of our region usually are small familial enterprises.


The unique exit for practical exercise for the students comes via the new institution of Apprenticeship, for this institution however most enterprises is not informed and thus their attendance in the program is small. The option therefore that is given in our students by the attendance of our school in a program of mobility is unique. The students might acquire knowledge from the way of operation of big enterprises and enrich their practical knowledge in their professional sector, where in the enterprises of our region it would be very difficult they achieve him. The students however will not only acquire professional knowledge will improve also their communication in a foreigner language and they will acquire the faculty to collaborate with individuals from other countries.

This supplies are important special for a region as ours which the summer months accepts a big number of tourists mainly from the European countries. The social and cultural development of therefore our students of specifically what emanates from agricultural and veterinary surgeon families of prefecture Chalkidiki and the aid of their European identity are still a reason for the attendance of our school in the program Erasmus+.

The Professional Education in the all country and at extension and in the region us attracts students with lower records concerning those of General Education fact that is owed mainly in their socio-economic situation.

In Greece, where the half roughly students declare that their choice for the Secondary Professional Education becomes with basic motive the fear of failure in the general lyceum, a important percentage of her students has particular characteristics, mainly afterwards the economic crisis, which could be summarized in the followings:

- Low socio-economic origin
- Familial problems
- Training difficulties or particular training profile
- Indifference, demoralisation and low self esteem
- Big voids in basic knowledge
- Low expectations of students, parents



We decided to collaborate with enterprises of Austria and city of Vienna, this choice became because this country it has high know-how in the professional sectors that we selected they participate in the program. In the program will participate 18 students from the following specialties:

- Employee of Administration and economic Services: 5 students
- Technician of Structural Work and Geoinformatics: 3 students
- Technician of Vehicles: 5 students
- Assistants for kids: 5 students

All students will emanate from the last two grades and they will have the required knowledge in order to they can cope with success with their practical exercise with the enterprises.

The results for our school in social level from our attendance in the program it will be, mainly his possibility of supporting the students, of offering alternative ways of rehabilitation of students in the educational process, of giving them occasions of success, of improving their self esteem and smooth integration in the job market. The creation of suitable alternative instructive approaches, the effort for distribution of good practices will contribute in this direction.

For our students their attendance in the program of mobility will evolve them in graduates which have confidence in and have the possibility of including itself decently in the profession. Moreover, it is important they feel that they can shape their profession in new bases, limiting the negative sides of current reality but also be capable to evolve.



**Κωδικός** 2019-1-EL01-KA102-062234

**Τίτλος Σχεδίου** Από το Επαγγελματικό Λύκειο στην Αγορά Εργασίας - Ένταξη και Επαγγελματική Αποκατάσταση Αποφοίτων ΕΠΑΛ

**Συντονιστής** 2<sup>ο</sup> ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΛΥΚΕΙΟ ΚΟΜΟΤΗΝΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Main objective of Program is it provides in educated, the practical experience in the modern European - enterprising environment. The possibilities of border region of Thrace for the support of practical experience in alumnus EPA.L are almost non-existent. Fault big and organized enterprising structures but also enactment of practical experience in alumnus EPA.L afterwards their graduation, it leads to the need of exploitation of each provided resource.

The institution of Apprenticeship is the alone exit for practical experience and acquisition of professional dexterities and qualifications while it creates cohesive bonds of EPA.L with public and private institutions. The integration of private individuals, however, in the institution is limited, because the limited size and number of enterprises (the bigger percentage of enterprises in Komotini they are small individual enterprises). Also is limited the number of students that can include itself in order of Apprenticeship but also himself the Institution does not have still the flexibility and the possibility of adaptation in the existing conditions (is not approved the operation of few members departments).

The possibility consequently, acquire our students dexterities and of developing in individual, social but mainly in professional level they strike feeble in local level. The training and the acquisition of labour experience (places of work), in the abroad aiming at the benefit of required dexterities that is required for the smooth passage by the education in the job market have enormous importance for the students of EPA.L of border regions as ours. The students of our school allocate the essential technical knowledge because the nature of courses of specialty (laboratorial courses) and can cope with success with the requirements of job market but unfortunately our removed region it does not allow their direct integration in the labour space.

The majority of our students emanates from unfavorable teams. The majority of our students emanates from families with low level of existence many times close or even under the level of poverty. Often they depend from the system of social providence or are unemployed for important time spaces. Many of our students are refugees of second generation from the former Soviet Union and from the Moslem minority of Thrace. Often, as resulting from these subjects, we have important number of students with training difficulties, individuals with low qualifications and with bad school output. Much of them they have a good level of knowledge English and have been certified (level B2, C2). Because the multicultural composition of our students, the Muslim women and the fellow countrymen from the former Soviet Union, speak excellent Turkish and Russian equivalents. But the preferred language in a program of mobility is English.

Our students will be from the Sectors of Information technology and Administration and Economy. It will be in its entirety the 22 and will be separated in 2 flows of 11 individuals.



More specifically, their composition will be as follows:

➤ **Sector of Information technology, 11 students**

Specialties:

- (a) Technical PC and Networks PC
- (b) Technician of Applications of Information technology

➤ **Sector of Administration and Economy, 11 students**

Specialties:

- (a) Employee of Administration and Finances Services
- (b) Employee of Tourist Enterprises

The program aims in the improvement of employability of students from unfavorable teams in international level, increasing their practical experience in international working places, their knowledge with regard to the dexterities that are required in the branch and their cultural upgrade knowing the cultures of other countries. Then it will help they also develop modern linguistic, training and communication faculties, as well as the faculty to work effectively in teams (team work) factor work in the course to the enterprising vision of 21st century in order to they are effective workers in modern Europe and the job market without borders. Further, it will give them bigger confidence in the faculty to claim a place of work and them to inspire they look at their current prospects with a other glance. We want also to increase the European dimension and the international profile of our School and to help our students to consider their selves as European world citizens, increasing the dexterities of foreigner languages and our networking with international enterprises so that we can inform and extend our program of study to profit of training results.

**Κωδικός** 2019-1-EL01-KA102-062235

**Τίτλος Σχεδίου** Πρακτική Άσκηση για τους Μαθητές της Αλεξανδρούπολης

**Συντονιστής** 2<sup>ο</sup> ΕΠΑΛ ΑΛΕΞΑΝΔΡΟΥΠΟΛΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ


The upgrade of professional education and training is necessary so that it starts, in the recognition and aid of her social role, with the restriction of social inequalities, in the need of her continuous harmonisation with the requirements of Greek society and economy, in the need of benefit of qualitative education in the students and in the students that select him, in the need of benefit of sure professional exits in her/graduates, in the strengthening of labor safety and in the configuration of realistic vision for the teachers.

The occasions for practical exercise of our students, exist in our removed region from the big urban centres, but also because lack of big enterprises in our region is very limited, this seated our attendance in the program Erasmus+ imperative. It is the alone exit in order to acquire our students labour experience in a enterprise that applies modern models and practical because in the wider region of Euboea most enterprises are small, familial type.

Finally the institution of apprenticeship tries give answer in this problem but also again the delay of many Greek enterprises in technologies of peak and their poor attendance in the institution lead our school it seeks the occasions that give us the programs of mobility for international collaborations. We want to give in our students all those supplies that they will acquire from their labour experience in the abroad so that we contribute in the culture of self-knowledge and their responsibility, in the evaluation and in the professional growth/their improvement.

One still reason for the attendance of our school and our students in the program is realize so much the students what their families the advantages of learning in the working place, thing that constitutes challenge for a country that the academic education has higher prestige than professional. It is known that the schools of Technical Professional Education select mainly students of obligatory education, which are characterized as feeble students, from which capable number they have, training difficulties, they have not completely developed their faculties and in a big percentage they have low achievements and low expectations, because their decreased records in the previous educational rungs. But also students, in much smaller percentage, realized as for their professional course or their import in the Third degree education.

Objective of the program focuses on our attendance while we collaborate with European companies that might correspond in the needs of our students. In the program there will be participating 30 students. The 15 from them will travel with the escort of 2 professors in Vienna and they will make practical exercise in the companies that we have selected for collaborators. The remainder 15 students with their sessions will travel in Budapest where also these will make practical exercise. The companies where we will collaborate fill that criteria that we have fixed in drawing ECVET (Annex) and expect big profits from the placement in those of our students. The specialties that will compose the two flows will be:

- 
- Technician of Applications of Information technology 10 students.
  - Employee of Administration and Economic Services 10 students.
  - Assistant of Medical – Biological Laboratories 10 students.

### *In level of specialty the students:*

For the specialty Technician of Applications of Information technology we expect the students they acquire practical experience relative with the analysis, designing, concretization of diadiktyakon applications and web pages or with technical subjects of sale and maintenance of - repair PC and products of new technologies.

For the specialty Employee of Administration and our Economic Services wish they are the students to acquire practical experience relative with organizational and administrative subjects of management of offices of - accounts departments, management of telephone centre of office, organization of deposit and systems logistics.

For the specialty Assistant of Medical – our Biological Laboratories wish they are the students they acquire practical experience relative the use of all essential bodies – techniques that are used in laboratory units for classic microbiological and biochemical examinations.

International collaborations that it will develop our school him will help it claims his social and educational role in the society. It will render the professional education attractive and no solution of need for students with low training qualifications and records. The fighting of geographic inequalities is one still objective of our school from our attendance in the programs Erasmus+.

**Κωδικός** 2019-1-EL01-KA102-062236

**Τίτλος Σχεδίου** Πράσινη Ανάπτυξη και Ειδικότητες της Τεχνικής Επαγγελματικής Εκπαίδευσης, Επαγγελματικός Προσανατολισμός και Προοπτικές. Μάθηση Βασιζόμενη στην Εργασία

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΝΕΑΠΟΛΗΣ ΘΕΣΣΑΛΟΝΙΚΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

### A. Student mobility

In Europe, the workplaces which contribute to the protection of the environment and the sustainable growth are called “Green Jobs”. Specific training about them will give to the students an opportunity to learn about some occupations, according to their specializations and they will also get to think some growth prospects for their residential areas.


Project’s general objectives are: improving knowledge and developing new skills in the student’s specializations. With this project, there will be an effort to stop school drop outs, by supporting information and specific training in “green jobs”, for each specialty. Finally, it is a target to inspire environmental awareness as well as to promote employment opportunities for refugees and immigrant students.

The participating students were divided into two flows (20 individuals per flow) depending on the relevance of the specialties. They will have the same main subject “Green growth and specialties of Technical Vocational Education, the vocational guidance and prospects” but with a different program corresponding to their specialties. First: Electricians, Mechanics, Computer Technicians, Economics and Management. Second: Hairdressers, Aestheticians and Graphic Designers.

All of the participating students showed great performance, especially in specializations courses. They have sufficient knowledge of the English language and the will to get more educated. They are very interested in finding some new job opportunities, because of the unemployment problems of their regions.

The content of the training procedure includes presentations visits to institutions, universities, companies, technical schools and environmental associations. With the program’s implementation, it is expected that students are carefully oriented to choose their future profession, to enhance responsibility and teamwork by taking initiatives. It is of great importance, that in this way, their inclinations and interests will be highlighted. As for the students’ cultivation, it is true that they will get to realize the usefulness of language skills, to develop their personality and strengthen their self-esteem.

The chosen host country, Spain, is a country similar to Greece, with almost the same climatic conditions, but with better development actions in “green jobs”. The program will take place in the city of Madrid, in February ‘20 (First Flow) and in April ‘20 (Second Flow). As the host institution was selected the Alfombra Roja Spain, an institution with experience in organizing programs and liaising with training institutions.



In recent years, the European Union has been focusing on “green jobs” and the education of immigrants and refugees. The citizens and the authorities are encouraged to take initiatives so as to protect the environment, while creating jobs. After all, the 10 most popular professions in 2010 did not even exist in 2004 (CEDEFOP 2011).

### **B. For the professors of EPAL**

The purpose of the technical-vocational training is the transmission of technical and professional knowledge as well as the development of skills. The aim of the EPALs is to provide a good professional education and training for students. However, the practical training of students in laboratories cannot be compared with actual workplace conditions.

For the teachers, the objectives of the project “work based learning” are the familiarization with the structure of the Portuguese education system, the career guidance, the school administration and operation, the knowledge and experience acquisition on the practical exercise, the application of interculturalism, the comparison and evaluation of the “dual” educational model with the “Apprenticeship”, which already operated in our School.

The group of participants will be consisted of 12 specializations of the EPAL of Neapolis. All of them hold university and technical institution degrees, while some of them have also postgraduate or second degrees. They have been trained repeatedly in their specialization and in the institution of “apprenticeship”. They have many years of experience in technical education and they all know the English language, at least at B2 level.

The implementation time of the project is set to December '19 with duration of one week. The chosen country is Portugal and the city is Lisbon. The host organization was selected by EPD - European Projects Development which has experience in organizing educational programs. The training content includes seminars and visits in: institutions and organizations (for Technical Education), youth training centers, Technical Schools, governmental and local institutions (that direct the internship).

With this project, the participating teachers are expected to improve their knowledge about the curriculum, the career guidance, the organizational school structure, the internship, the interculturalism and the contribution of the European mobility programs.



**Κωδικός** 2019-1-EL01-KA102-062237

**Τίτλος Σχεδίου** Προοπτικές Ενίσχυσης Δεξιοτήτων και Απόκτησης Επαγγελματικής Εξειδίκευσης για Ενήλικους Μαθητές Εσπερινού ΕΠΑΛ Μέσω του Erasmus+

**Συντονιστής** 2<sup>ο</sup> ΕΣΠΕΡΙΝΟ ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΛΥΚΕΙΟ ΑΙΓΙΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

This application is being submitted by the 2nd Evening Vocational High School of Aegio and concerns the mobility in Cyprus of 14 students from the speciality of Electrical and Mechanical Engineering, as well as 2 accompany teachers. It will be implemented with the help of our partner RATIO TECHNICAL VOCATIONAL TRAINING CENTER LTD, which has significant experience in mobility programs and a wide network of organizations and companies with which it cooperates.

The project concerns the practical training of our students in companies aiming at completing their theoretical knowledge by practicing in real working environment, training with seminars, practicing in foreign language and acquainting with the culture and history of Cyprus. Additionally, the staff who will go along with the pupils will receive important training, with the aim to upgrade the educational and administrative procedures of the school with the new knowledge they will transfer back.

The learning outcomes are expected to be a lot for both students and staff. Students are expected to assimilate new techniques and practice using machines that we do not have in our school. We expect them to enrich their knowledge and to get ideas for growth and innovation. We also expect to repudiate any localities and prejudices, to shape European consciousness and to operate with responsibility, professionalism, consistency and organization. Concerning the staff, we also expect to significantly improve their skills and knowledge.

The program will be managed by the Working Group that we will be set up, which will also be responsible for communicating with the partner and implementing what we planned and agreed. Respectively, the partner will honor its own obligations and ensure the quality of the program. Dissemination of results will be an important part of the process.

With our participation in the program we aim to meet our needs in matters of development and to cover significant educational deficiencies in level of technical knowledge and working experience for our students and our graduated students also.

**Κωδικός** 2019-1-EL01-KA102-062238

**Τίτλος Σχεδίου** Πρακτική Άσκηση στην Πρωτοβάθμια Φροντίδα Υγείας και Πρόνοιας και στον Πρωτογενή Τομέα σε Ημιαστικές Περιοχές στη Γαλλία

**Συντονιστής** 7<sup>ο</sup> ΕΠΑΛ ΠΑΤΡΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The 7th EPAL Patras, applicant and send organization submits a project application entitled "Practical Exercise in Primary Health Care and Primary Sector in Semi-Urban Regions in France" under Erasmus+ / KA1 framework. The duration is 12 months (September 2019 - August 2020). The target group is 22 persons (18 undergraduate / third year students and 4 graduates) from specialties of Health-Care and Agriculture. The project will be implemented in 2 flows of 10 and 12 participants respectively. Host country is France and distinct receiving partners for each flow are, Mr Lesparre for the 1st, and the Mr du Bergeracois for the 2nd. Mobility will last for 14 days and 2 for travel (each flow), and the period of both mobilities will be between December 2019 and March 2020.

The overall aim of the project is participants training in Organization and Operation of the Primary Health Care and Welfare Structures for those of the Health Sector (all in the 1st flow and 6 of the participants in 2nd) and the Contemporary Vineyards in lowland areas for those of the Agriculture (half the participants of the 2nd). Also to apply develop and adapt their core competencies, professional and horizontal skills and competences that are needed today for all employees, as well as relevant social personal and life skills. The 22 participants will be trained for 2 weeks by internships based on their specialization, in Primary Health Care structures and facilities in semi-urban areas, and Vineyard / Chateau holdings also in lowland semi-urban areas in the partners school's regions. Internships will be done together with students / trainees of schools / partners who provide dual education (school and work based). Placement will be daily for 7 hours and there also will be 2-hour afternoon sessions that participants will attend seminars on training topics and will participate in activities at the host school / partner.

### *The main objectives of the project are:*

- To acquire knowledge and experience in Modern organization and the requirements of the employees in the Primary Health Care and Welfare Sector and, respectively, to acquire knowledge and experience from the organization the facilities and activities in an efficient Small Vineyard-Wine-Winery Enterprise in areas with tradition.
- The perception of professional skills and competences in Labour market in the specialty of the participating students and at the same time improvement of their horizontal professional and personal skills and abilities.
- To develop professional interests and entrepreneurial spirit the participants
- Contribute to improving the education provided by our school and strengthening its European dimension

- Developing their European identity by enhancing their multilingualism and becoming acquainted with the culture of the destination country

Participants will obtain an Europass Mobility Document, and there will be dissemination / exploitation of results and experiences and awareness, at school and in the wider society. Particularly we believe in the dissemination and awareness by integrating project experience in everyday practice at school for the viability of the project. All this will have an impact at local and regional level.

Practice and applying existing knowledge, developing new complex competences and skills and gaining experience from training and participating in the project, students will be supported in acquiring the skills needed by the labor market, increasing their opportunities and employability, and the sustainability of their benefits through self-improvement and adaptation to the demands of working life. They are given the opportunity to acquire knowledge and experience that can support them in their professional integration or in the implementation of business plans in a major and growing activity of the primary sector such as Viticulture and Winemaking and in a being changed and developing in our country aspect of Health Services such as Primary Health Care. Those changes and development occurs in functions, organization and structures in public and private institutions and bodies but also in autonomous self employment of relevant activity. Beneficiaries will be able to develop and shape their careers and their work and educational paths with better prospects.

Overall, the program can increase the employability of our graduates, improve the quality and efficiency of the VET and, at the same time, its attractiveness. By assuming / implementing the project, we appreciate that our organization contributes to the achievement of its educational goals, strengthens its extrovertness, and possible cooperation with local, national and European institutions and promotes its European development plans.

**Κωδικός** 2019-1-EL01-KA102-062239

**Τίτλος Σχεδίου** Training in 3D Animation and Computer Graphics-a way to Enhance Students with Employability

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΘΕΣΣΑΛΟΝΙΚΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The power of the image is at its peak and the magic and the evolution of new computer technology with application in the field of Computer Graphics and Multimedia are fascinating. 3D design and imaging of objects and animation is an exciting profession, very modern, with great prospects for development in the domestic and international labor market.

This project is designed to fill the gap between VET curricula and labor market requirements for specialized 3D animators. He intends to move a group of 16 ICT students from the 1st EPAL of Thessaloniki to Seville, Spain. Field students are taught multimedia courses (Photoshop, Flash, etc.) but are not taught in 3D Modeling and Animation.

Mobility will have a 35-hour seminar on Blender software, the seminar will be held at the internationally renowned lab. (University of Seville (<http://www.us.es/>)-Department of COMPUTER LANGUAGES AND SYSTEMS). Professional visits to companies of international scope and cultural activities.

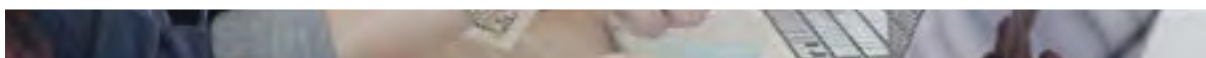
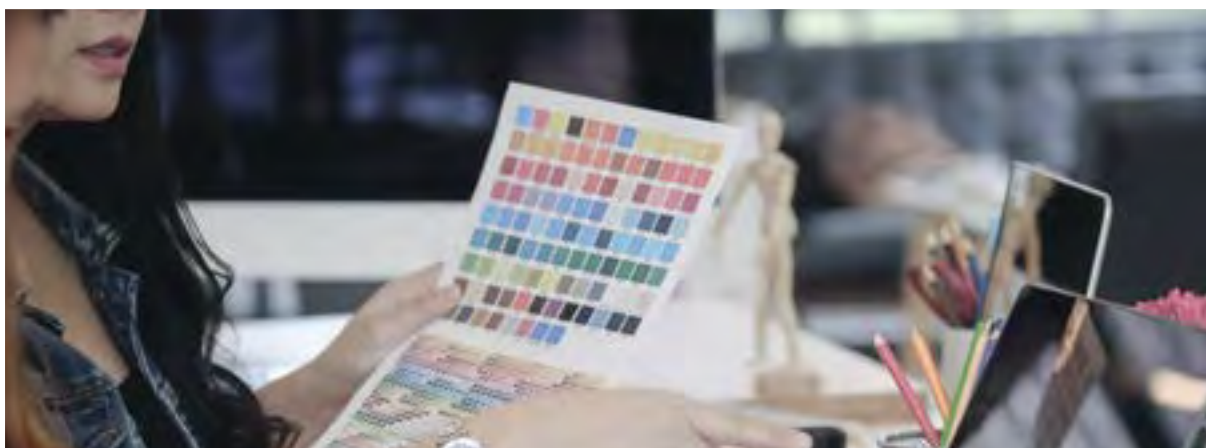
### *The objective of mobility is:*

- Supporting learners in acquiring knowledge, skills to improve their professional level in 3D Modeling and Animation
- Getting familiar with 3D Blender's capabilities for creating and rendering 3D objects, photo-realistic imaging of objects, simulation of material properties and ambient light, rendering of a 3D model on a 2D screen, camera shooting and interactive animation
- Practical implementation of the acquired knowledge through the applications that will be required to develop and experiential learning from the study study-visits
- Acquaintance with the Spanish education system and the rules-structures that govern it
- Linking Initial Vocational Education with the labor market of a foreign country
- Professional visits to Seville, Spain's international institutes and companies active in 3D Modeling and Animation
- Improve their language skills in English
- Acquaintance with culture, the history of Spain and encouragement of intercultural consciousness
- Investigation of students' horizons regarding new trends in cutting-edge professions, new trends in the construction and advertising of 3D objects and interactive animation and opportunities to advance to modern professions in national and international contexts
- Facilitating their exit into the labor market.

*The expected results can be summarized as follows:*

- at the level of the students 'and teachers' cognitive horizons, in their professional development by training them on a cutting-edge subject and then the presentation of their application to enterprises and organizations, the acquisition of the Europass certificate and the certification of the new knowledge they 'will get
- the level of social knowledge and skills of students and teachers by developing their socialization, gaining experience, participating in educational and cultural activities
- about accompanying teachers, the ability to participate in an innovative learning process beyond the conventional educational context as well as in contact with education and entrepreneurship in a foreign country

Long-term benefits are the creation of a series of on-line courses in Blender software, the ability to train through it all interested teachers and students. The reform of the curricula and pedagogical methods of the 1st Thessaloniki EPAL, incorporating innovative subjects in curricula and adopting innovative pedagogical methods.



**Κωδικός** 2019-1-EL01-KA102-062241

**Τίτλος Σχεδίου** Enhance Students Employability: Training in Bioclimatic Architecture and Sustainable Building Design

**Συντονιστής** ΕΡΓΑΣΤΗΡΙΑΚΟ ΚΕΝΤΡΟ ΠΟΛΥΓΥΡΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The proposed project refers to the mobility of 16 students and 2 accompanying professors from the Sectors "Electrical, Electronic and Automation" and "Structured Surveying and Architectural Design" in Lisbon of Portugal for 15 days. Mobility is scheduled to take place in April 2020.

Students will be very familiar with English, will have participated in the innovative training processes of the school, will be willing to work together to achieve the objectives of the program. The students of Laboratory Center of Polygyros come from rural and livestock families and from the neighboring areas, from the province of Polygyros, they feel cut off from international educational events, most of them have not traveled abroad. Therefore, all mobility gains added momentum and value for them.


The individual themes of this project include training in "Sustainable Architecture", business visits to companies, educational visits to Lisbon schools, and cultural visits to places of historical and cultural interest.

The issue is considered to be extremely topical and interesting in a Europe that cultivates ecological awareness among its citizens and strives to establish environmentally friendly technology and promote ecological habits and products. Within the framework of the proposed project, we expect multiplier effects and benefits to be achieved both for the participants and for the stakeholders. This adds value to the proposal, contributing to the development of the European dimension in terms of vocational training and the dissemination of the importance of mobility programs and the transfer of European culture to the sending country.

### *The main objectives of the project are:*

- To support participants in training to acquire and utilize their skills and knowledge in the field of bioclimatic architecture and energy design of buildings,
- To get to know all the variables that make up and influence the thermal balance of the buildings and to get acquainted with all the design and construction manipulations in order to satisfy the requirements of the balance in the first stage for proper energy behavior of the buildings during the winter and summer periods,
- To inform students about passive solar systems that help physically heat, cool and illuminate buildings,
- To inform students about the importance of the orientation of the buildings and the proper design of the interior,
- To acquire knowledge of the use of solar radiation for the heating and cooling of buildings with solar systems, as for lighting systems and improvement of visual comfort,



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- Specify participants in methods of energy efficiency simulation,
  - To broaden their professional orientation by discovering the technological innovations and the prospects opened for future employment or entrepreneurial activity,
  - Get acquainted with the labor market in the host country and the prevailing conditions, thus increasing the potential for future employment or business co-operation,
  - To widen their intercultural skills, taking rich stimuli from their contact with citizens of another country and the culture of Portugal,
  - To transfer to Greece the experiences they will gain,
  - To improve their communication in English,
  - To improve their personal development and sociability, self-confidence.

After the completion of the main mobility activities, the expected impact on the participants will be to acquire knowledge and skills for the specific subject, which are expected to contribute to their subsequent career and facilitate their entry into the labor market. Also, at the level of intellectual and social mobility skills, the expected impact on the participants will be to strengthen their self-esteem, to actively participate in social development and to develop critical thinking, personal development, and enhancement of European citizenship.

The proposed mobility action is considered to bring significant long-term benefits both at the individual level and in general at the development level, contributing to the added value of local and regional development, through investing in human capital, the proven productivity growth of the Sustainable Architecture due to the successful training of participants and the elimination of inequalities by promoting equal opportunities for people from remote geographic areas in the future.

**Κωδικός** 2019-1-EL01-KA102-062242

**Τίτλος Σχεδίου** Sustainable Logistics and Chain Supply Management

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΑΘΗΝΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The 1st Athens EPAL observing developments in Supply Chain-Logistics, the needs for new jobs to be created and the gaps in the EPAL programs. A program called "Sustainable Logistics and Chain Supply Management", which refers to the transfer of 16 students (of the "IT" and "Economics and Management") and 2 accompanying professors to Berlin Germany. Mobility is scheduled to take place in March 2020 and will last for 15 days.


The group will be attended by 16 students; boys and girls aged 15-18, in the fields of "Informatics" and "Economics and Administration". Participants are taught on the basis of the curricula in the "Economy and Management" courses such as Principles of Economic Theory, Principles of Organization and Administration, Tax Practice, etc. In Computer Science courses such as Computer Programming, Hardware and Computer Networks, Operating Systems, Databases, Web Design and Development etc.

From both courses, there are no courses in Logistics Chain Management (CIS) -logistics, through the proposed project, it is attempted to create professionals in the Logistics sector, who should have basic knowledge of economics and informatics and develop into business executives in the field of supply chain.

Students dwell most in the center of Athens, coming from low economic and social strata, many of them immigrants. They deliberately chose to study in Vocational Education in order to later work in companies in Attica. Many of them do not have the opportunity to travel abroad. The additional specialization and training in the subject of her studies is a lever of professional and personal development, which adds a necessity to the realization of the program. Besides, the program is of much greater value than attending a similar seminar in Greece because it involves professional visits, cultural activities and finally we expect multiplier benefits for the stakeholders and participants.

### Goals:

- Guesting students with the basic concepts of Supply Chain Management (CGI) to understand the processes and working environment of various parts of the CMP
- About the participants with the key choices concerning the critical issues of the CMP, such as customer service, supply and stock management, storage options, transport and distribution networks
- Familiarity with the basic design parameters of a physical distribution system, the advantages and disadvantages of alternative distribution channels
- Description of key steps in the supply cycle - of the main criteria for assessing and selecting suppliers

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- Analysis of the types of warehouses, the work carried out in the warehouse and its individual spaces and the display of the graphs of the main storage flows
  - Awareness of the capabilities of modern information systems for the storage and distribution process -Warehouse Management System and telematics applications
  - Improvement of their English language skills
  - To encourage participation in other mobility programs and foreign language learning
  - Energy and exercise in a team spirit to consolidate the acquired knowledge
  - Encouraging continuous adaptation to the changing needs of the economy and the labor market
  - Transfer of know-how and experience in EPAL
  - Encouraging intercultural communication and a better understanding of European identity by exchanging different views on important EU events and the acquisition of incentives to develop the identity of the European citizen

Upon completion of the project, participants are expected to gain valuable experience and important skills in acquiring skills and competencies in the Supply Chain sector.

It is also expected to enhance their self-esteem, their active participation in social development and the development of critical thinking, their personal development, and the enhancement of European citizenship.

The proposed mobility action will bring about significant long-term benefits both at the individual level and in general at the level of development agencies, contributing to the added value of local and regional development through investing in human capital.

**Κωδικός** 2019-1-EL01-KA102-062244

**Τίτλος Σχεδίου** Αρχιτεκτονική Αστικού Φωτισμού. Αστικός Χώρος και Ηλεκτρικό Φως

**Συντονιστής** 3<sup>ο</sup> ΕΣΠΕΡΙΝΟ ΕΠΑΛ ΠΤΟΛΕΜΑΪΔΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The study of architectural lighting concerns the conception, study and realization of an image of the artificial light space aiming at the elevation of the space either with natural or artificial light. The realization of the study includes the exact placement of the luminaires on the construction drawings and the light control, natural or artificial.


In Greece, in recent years, the appearance of architectural lighting of buildings, roads and gardens, as opposed to other European countries, has been observed to a small extent. In this context, the 3rd Night EPAL of Ptolemaida proposes a theme entitled "Urban architectural lighting. Urban space and electrical light", short term mobility for Vet Learners, in Barcelona, Spain, for pupils of "Structured Surveying and Architectural Design" and "Electrical, Electronics and Automation" field, whom they want to specialize them in the newly emerging specialty of the architectural lighting designer. Mobility will include a 30-hour seminar at the beginning of the lighting industry to be implemented in order to have spaces where there is high technology combined with design and new energy techniques. From study visits to famous companies and cultural visits to the main sights of Barcelona.

16 students will be selected from the "Construction, Electrical and Electronic Automation" Field of the 3rd Night EPAL of Ptolemaida. Students are taught courses such as: "Building Works" and "Building Materials", "Building Design with PC", "Design of Electrical Installations", "and Automation" and others. They know very well English; participate in innovative educational activities of the EPAL.

The students live in the wider area of the Municipality of Eordaia, mainly from the town of Ptolemaida and the surrounding villages, their age composition ranges from 18 to 55 years. Students come from families with low educational, social and economic profile, are mainly unemployed, adults attending EPAL to acquire training in an object, and through acquiring and certifying the specialization degree to seek a position / repositioning as employed or self-employed workers.

### *The objectives of the program:*

- To inform students about the basic principles of phototechnics to be applied in order to have a combination of high technology with design and new energy techniques,
- To acquire new knowledge and practices related to the field of phototechnics so that they can work in similar areas requiring applications based on the artwork,
- Familiarize their self with the principles and methods of lighting street and public spaces,
- Be aware of the rapid advances in architectural lighting technology in conjunction with developments in electronics technology (fiber optics, color shifts, leds, optical films) and lighting,
- Understand the characteristics of the light sources,

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- Familiarize yourself with the Dialux program and learn to implement lighting studies in a three-dimensional environment with international regulations,
  - Be informed about trends in modern architectural work, strategies for reducing energy consumption,
  - To improve their language skills in professional English,
  - Be encouraged to learn other foreign languages,
  - Develop behavioral abilities such as this ability to communicate and collaborate, adapting to new environments, entrepreneurship and entrepreneurship,
  - Transfer good practices from abroad,
  - Acquire the Europass certificate.

### *Expected results:*

After the completion of the program, the participants are expected to gain valuable experience and important skills in acquiring skills, capabilities in the field of Architectural Lighting. It is also expected to strengthen their cognitive, linguistic and communicative skills, such as their self-esteem, their active participation in social development, the development of critical thinking, their personal development, and the enhancement of European citizenship.

To gain encouragement of foreign language learning, participation in new lifelong learning programs and the adoption of new attitudes and perceptions towards diversity and interculturalism and the European Union.

We believe that the proposed mobility action will bring significant long-term benefits both at the individual level and in general at the level of Development Organizations, contributing to their upgrading and modernization, strengthening their internationalization and the added value of local and regional development through of investment in human capital. We think to implement the mobility in the November of 2019.

**Κωδικός** 2019-1-EL01-KA102-062247

**Τίτλος Σχεδίου** Βελτιώνοντας τη Δέσμευση των Μαθητών με την Απασχολησιμότητα.  
Προγραμματίζοντας σε PHP - Δημιουργώντας Δυναμικές Ιστοσελίδες

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΚΑΛΛΟΝΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The Internet has changed dramatically and new habits and trends have been created by web users, such as the rapid increase in the number of audiovisual media (video and audio) used on websites, the publication of texts from external blogs and content sharing, with API (application program interface). The new trends in web use and the needs they have imposed have prompted the development of new standards for the development of dynamic websites and e-portals, e-shops, which are a growing profitable market.

The EPAL of KALLONI observes the new trends in the design and development of dynamic websites and the imperatives of modern society that seeks specialist executives in “cutting-edge technologies” to submit a mobility project, KA1 Erasmus+, short term mobility of vet Learners, titled “Improving student engagement with employability-Programming in PHP-Creating Dynamic Web Pages. The project refers to the mobility of 16 students from IT department in Lisbon, Portugal in April 2020.

The project encompasses the training of students in new software technologies (PHP, CMS, HTML5) for the creation of dynamic websites, educational visits to businesses, Institutions, vocational schools and Lisbon Organizations. The duration of the mobility is 15 days; time is satisfactory and necessary to achieve the objectives of the project.

The city of Lisbon was chosen because Portugal is the leader in the digital applications economy in Europe. Countless global clusters have settled there in order to build on a favorable environment for development. The aim is to visit Google’s new support center in the city of Oeiras, which launched an original pilot project with the support of the Portuguese government to train more than a thousand Android developers in Portugal.

The participants will be 16 students from the IT field, have the basic knowledge in programming and know very well English. The following courses are taught in computer science: Programming with Python, Hardware and Computer Networks, Databases, Java Programming, Operating Systems and Security of Information Systems, Web Design and Development etc.

Participants come from a remote island in the North East Aegean, are cut off from international educational events, have particular geopolitical and social peculiarities and feel that they are on the brink of developments and knowledge. They come from agricultural livestock and builders’ families and their ability to participate in a European program was treated with great enthusiasm.



## Goals

- Providing specialized knowledge to students in the design and development of dynamic web and web applications,
- Introduction to basic knowledge of programming language PHP, HTML5,
- How to link a single web site to databases (mySql, Oracle),
- Expanding the formatting of a web page with Cascading Style Sheets (CSS),
- Develop new behaviors to improve their personal growth and job opportunities in the European market,
- Transparency and recognition of qualifications through the Europass,
- EU connection with the international labor market,
- Exercise to new forms of learning such as group, recruitment and experiential,
- Developing the language skills of the participants,
- About the culture, customs and customs of Portugal,
- Destruction of the feelings of xenophobia and cultivation of the feeling of European citizenship.

### *The results after the implementation of mobility:*

After the end of the program students will acquire a multitude of skills and competences, which are described below: In cognitive level: They will broaden their existing knowledge in the design, development and support of dynamic web pages (HTML5, PHP), content management (CSS3), jquery creation, database interconnection with databases. They will develop cognitive skills on a personal level: self-control, self-service, self-confidence, adaptation to new environments. Their experiences will be broadened and they will revise their perceptions of Europe and its endeavor. They will obtain the Euro-pass certificate.

### *Benefits at Organizations level:*

Participating Organizations will acquire know-how from the development of all stages of a European program. Improving the climate within the school that will be manifested by better teacher collaboration and respect among teachers and pupils. It is also important to enrich the curriculum with innovative actions, innovation in several teaching methods, and ongoing teacher support for professional development due to their changing attitudes.

**Κωδικός** 2019-1-EL01-KA102-062248

**Τίτλος Σχεδίου** Επιμόρφωση στην Αντιμετώπιση και τη Διαχείριση Φροντίδας των Αθλητικών κακώσεων - Αυξανόμενες Δεξιότητες για τους Μαθητευόμενους Φυσικοθεραπευτές

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΚΟΡΥΔΑΛΛΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

In the field of sport it is common to the injury phenomenon due to the strain from the continuous training, but also the tension with the purpose of the greater athletic performance. Physiotherapy is a basic method for rehabilitating athletes and treating athletic injuries, especially since there is a need for the athlete to return as soon as possible to his athletic duties. Labor demand for specialized athletes physiotherapists has been increasing in recent years.

On the other hand, the students of the specialty "Assistant Physiotherapist" of the Professional Lyceums, who are invited to become physiotherapists, are taught various courses (Elements of Anatomy-Physiology, Physiotherapy, Practical Physiotherapy, Electrotherapy), but they are absent from their curriculum lessons of restoration of sports injuries.

In this context and consistent with the students' learning needs. the 1st EPAL Korydallos proposes a short term mobility program for vet Learners, 16 students and 2 accompanying teachers in Lisbon, Portugal. The title of the program is "Training in Prevention and Management of Traumatology of Physiotherapy". Mobility is planned to be 15 days and to take place in March 2020.

The program consists of lectures and lectures by teachers in Lisbon and experienced athletes, workshops, clinical trials between groups of participants, study visits to Hospitals and Lisbon clinics, and cultural visits to places of intense interest.

### *The program participants will:*

They are students in the "Health-Welfare and Wellness" area and in particular the specialty "Assistant Physiotherapist". The following courses are taught during their studies: "Elements of Anatomy-Physiology", "Physiotherapy", "Practical Physiotherapy", "Electrotherapy II" etc . Most inhabit in the areas of Korydallos, Piraeus and Nice. They come from social and social strata, a large proportion of whom are immigrants. They chose to train in a specialty of the EPAL and through it to work later in Hospitals, Clinics of Attica and either to become private. A significant number of EPAL students are faced with job-related problems due to lack of specialization in modern labor market objects. This results in low personal and professional self-esteem. The need for further specialization in the subject of their studies is a given and is a cornerstone for the development of participants and their facilitation of entering the labor market.

## Goals

- To analyze the characteristics of athletic injuries (types, histological approach to athletic injury, analysis of the inflammatory response to athletic injury),
- The presentation of the etiology of athletic injuries: (epidemiology, endogenous and exogenous factors),
- To learn the physiotherapeutic assessment of athletic injury (laboratory and functional measurements of athletic muscular functional ability, recording of myodynamic asymmetries and imbalances),
- To learn the methodology and techniques to apply them to athletes to repair injuries,
- There are modern machines such as TENS, LEISER, and ultrasound for restoration of sports injuries and hand techniques,
- To demonstrate the athletic physiotherapy techniques and practical training of the participants,
- To learn to draw programs for restoration of sports injuries,
- Project the EPAL with the labor market,
- Promote equality through facilitating and integrating people from disadvantaged backgrounds into the labor market and the labor market,
- To obtain Europass Mobility,
- To improve linguistic, cultural skills in English and to encourage others to learn.

At the end of mobility, the expected results are summarized as follows:

- at the level of the students' and teachers' cognitive horizons, in their professional development by training them on a cutting-edge subject and then the presentation of their application to enterprises and organizations, the acquisition of the Europass certificate and the certification of the new knowledge they will get.
- at the level of social knowledge and skills of students and teachers by developing their socialization, acquiring experience, participating in educational and cultural activities.
- about teachers, the ability to engage in an innovative learning process beyond the conventional educational framework and in touch with education and entrepreneurship in a foreign country.

**Κωδικός** 2019-1-EL01-KA102-062249

**Τίτλος Σχεδίου** Προστασία της Καλλιέργειας των Ελαιόδεντρων από Ασθένειες, με τη Χρήση της «Γεωργίας Ακριβείας». Ανάπτυξη Προηγμένων Δεξιοτήτων για Εκπαιδευόμενους

**Συντονιστής** ΗΜΕΡΗΣΙΟ ΕΠΑΛ ΝΕΩΝ ΜΟΥΔΑΝΙΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The EPAL of N. Moudania, observing the trends in the global economy of agriculture, the shortcomings in VET curriculum, seeks to assist in the recovery effort by seeking to enhance the skills and knowledge of agronomic students in new technologies, Georgia's precision and their use in olive-growing.

It proposes a program, short term mobility for vet learners, titled "Protection of the cultivation of the olive trees from diseases, with Precision Farming. Development Advanced Skills for Trainees" which refers to the movement of 16 students and 2 attendants in the "Agriculture, Food and Environment" sector in Lisbon, Portugal, for 15 days. Mobility is scheduled to take place in February 2020. It includes theoretical seminar-type training, study visits to selected and famous olive and olive groves in the wider Lisbon region and cultural activities. Additionally, the plan looks at multiplier actions through seminar in the organization and webinars, which will add value to it.


Portugal has been chosen as a host country because it is a Mediterranean country and deserves our attention since it produces admittedly the most recognized olive oil in the world. The participants will be 16 students of the EPA of N. Moudanion, in particular from the field of "Agriculture, Food and Environment", boys and girls, aged 15-18. Students in the field are watching with enthusiasm and enthusiasm for the courses in their field, which is something they chose to study and specialize. The courses in the field are: "Organic Agriculture Principles", "Vegetable Products Processing", "Modern Agricultural Enterprises", "Plant Production", "Animal Production", "Irrigation of Cultivation", "Plant Protection" etc.

The above students and their families reside in the municipality of Propontida, which it is covering the villages and areas of Kallikratia, Moudania and Triglia in Halkidiki. They come mainly from rural families and choose to attend a vocational school precisely because they want to acquire a specialization and be able to work in future in companies and olive groves in the area. Many of them have no financial means to travel abroad and for some it will be the first trip.

Thus mobility is covered by the need to participate in programs of people from disadvantaged families, enhancing their knowledge, their linguistic proficiency but also their autonomy and adaptability in a wider transnational and multicultural environment.

### *Their needs:*

- To learn the principles, methods and technologies of precision farming.
- To learn the benefits of using precision agriculture in the production of olive oil.
- To learn about the diseases of olive tree.

- 
- To learn the main software used in precision agriculture and learn to apply them to deal with diseases of the olive tree.
  - To learn about the costs of installing digital systems in agriculture and European legislation on precision farming.
  - To be able to develop their personality complexly by participating in an innovative European-level learning process, developing teamwork, co-operation and crisis management capability.
  - Contact olive oil operators and producers in Portugal and create potential future partnerships and partnerships with them.
  - To learn the culture, history, and geography of Portugal.
  - Learn the rules of workplaces in Portugal.
  - To improve their language skills.
  - To adopt new attitudes and ideas regarding Precision Agriculture, Lifelong Learning, the European Union and its objectives.

The successful implementation of the program is expected to deliver results both at the individual level of participating students and associated professors as well as at the level of Organizations. Students will have the unique opportunity to enhance their professional knowledge and skills in technologies, systems and software used in precision farming. At the same time, they will develop a variety of cognitive, communicative, language skills, all of which will enable them to meet the demands of the labor market. Their qualifications will be recognized at European level and will be more familiar with the possibility of moving to other countries. At the networking level, networking of students with centers of economics, companies operating abroad will be enhanced.

The impact on the participating organizations is expected to be great initially and two organizations will gain tremendous experience in the qualitative organization and development of European programs and knowledge of the labor market of the countries of the institutions. The program will contribute to networking with other organizations, to exchange management practices and to solve organizational issues

**Κωδικός** 2019-1-EL01-KA102-062250

**Τίτλος Σχεδίου** Training in Electric Vehicle Technology: Challenges and Opportunities

**Συντονιστής** ΕΠΑΛ ΣΙΑΤΙΣΤΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

In recent years, the international passenger and commercial vehicle market has undergone significant changes in an effort to reduce environmental impacts, tackle climate change and oil dependency. In this context, Electric Vehicles are now seen as one of the competitive choices of the transport sector, as their extensive use contributes both to the reduction of environmental impacts on the other hand to the sufficiency of energy supply at European as well as international level.

In this context, the EPAL Siatistas suggested program, short term mobility for vet Learners, entitled "Training in Electric Vehicle Technology: Challenges and Opportunities", 16 students and 2 escorts teachers of specialty "Vehicle Technician" in Lisbon, Portugal, 15 days. Mobility is planned to take place in March 2020.


The participants are aged 15-18, from low economic - educated families, mainly engaged in the primary production sector, and they live in small, "closed" communities and villages Voio (Palaiokastro Galatini, Eratyra, Naples and Tsotyli). Most have not traveled abroad and feel disconnected from European educational events, which gives the program more value. The participants chose to be trained in the EU. and through it to work in the wider area of Kozani, additional knowledge is an essential part of their subsequent professional development and rehabilitation.

In addition to modern knowledge and information, the participants will have the opportunity to get in touch with international market executives as well as to get to know modern electric vehicles, to visit places of intense historical and cultural interest in Lisbon.

By implementing this program, we target the participants:

- Get a broad view of energy consumption and the environmental burden on the transport industry.
- Identify the basic methods, techniques, standards and strategies for charging and discharging electric vehicles.
- Familiarize yourself with the emerging market for electric vehicles.
- Get in touch with executives from operators and companies in the international electric vehicle market.
- Be informed about support policies to promote the market for electric vehicles.
- Calculate the annual energy consumption and the environmental benefits of using electric vehicles.
- To strengthen their intercultural, cognitive and linguistic skills.
- To acquire Europass.
- To disseminate the results to all other students and to other students and teachers.



- 
- Promote equality through facilitating and integrating into training and the labor market people from remote geographic areas.

After the end of the program, students and tutors will gain valuable experiences and benefits,

#### **At the participants:**

- Communication: acquire knowledge of Electric Vehicle Technologies, upgrade their professional qualifications with the help of EUROPASS mobility, and acquire relationships with executives of the international labor market.
- The expansion of cultural-cognitive-communication and language skills of students (collaborative-adjustment-negotiation), cognitive skills (critical thinking, logical, intuitive and creative thinking), which tend to play an important role in the careers of students.

#### **At Organizations level:**

At the Agency level, the benefits relate to the acquisition of know-how from the development of all stages of a European program. Improving the climate within the school that will be manifested by better teacher collaboration and respect among teachers and pupils. A follow-up of all the above will be the reform and modernization of the EPAL with the changes in the organization and management support of the school, by investing in knowledge about Electric Vehicles and its integration. The transfer of good practices to Siatista, the search for new markets and the development of transnational partnerships, the transfer of the open mind to the local community to search for partnerships at local, regional and European level.

It is also worth noting that the program will improve the image of the EPAL and strengthen its European dimension. Cooperation with foreign schools will also help to develop closer links both within the school and with foreign institutions and corporations. It will also be a lever for the adoption of a European policy and Europeanisation of the organization, by mobilizing and activating the entire EPAL and integrating new ideas and knowledge.

**Κωδικός** 2019-1-EL01-KA102-062251

**Τίτλος Σχεδίου** **Advanced Web Development and Application with Mobile Friendly and Mobile Marketing: a Way to Enhance Students Employability**

**Συντονιστής** ΔΙΕΚ ΑΓ. ΑΝΑΡΓΥΡΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The Mobile Marketing (Mobile Advertising) is the rapidly expanding space of wide dissemination of advertising information and advertising. The large increase in the number of users who have carried out everyday activities and tasks in this new mobile environment has created a modern space for creating Mobile-friendly Websites and an emerging Mobile Marketing philosophy. Mobile is not a trend, it is the present and future of Digital Marketing-Digital Marketing, since it is an extremely dynamic channel that multiplies the potential of advertising and broadens its impact.

Against this background, IEK of Agioi Anargyroi presents this project, which belongs to the Erasmus + / KA1 short term mobility of vet Learners. It refers to the mobility of 17 IEK students. (6) days in software development technologies for the Internet, and in particular the development of mobile-friendly websites and marketing through them, in professional visits and cultural activities.

The project is particularly innovative and modern, it is considered very important as it is a continuation of the IEK trainees' studies, it is complementary to their studies and bridging the gap between skills in cutting-edge technologies demanded by the labor market and in offered skills and knowledge from formal education. It also aims at multiplier actions, which enhance European added value for participants and organizations.

The participants are students of the IEK of the IT specialty, residing in the wider area of the Municipality of Agioi Anargyroi-Kamatero, from folk and working layers. The age group of students ranges from 18 to 55 years.

### Goals:

- Entertainment of knowledge and skills in matters of their scientific interest (html5).
- The linking of theoretical knowledge with its practical extensions through the development of mobile advertising campaigns and through business study visits to companies and organizations in Spain.
- Increase career opportunities.
- Working spirit of co-operation, teamwork.
- Building foreign language learning and active participation in other European programs.
- Training understanding of the European project and better responding to cultural and social diversity.
- Enforcement of the European consciousness of the participants.

### *The expected results:*

- The supply of up-to-date and specialist knowledge that upgrades the professional qualifications of the participants with the direct effect of enhancing their adaptability to the modern competitive environment, strengthening and improving their professional development as a result of the knowledge and skills they have acquired.
- The sensitization of participants to modern labor market requirements to understand the need for lifelong learning and personal development.
- The recruitment of post-secondary VET specialists who will be required to fill the gap between the education provided and the labor market requirements.
- The cultivation of self-motivation and self-confidence of learners in order to feel adequate to modern work developments.
- The development of students' socialization, the acquisition of experience, adaptation to foreign environments, their participation in educational and cultural activities.
- The development of the culture of the European citizen with increasing emotional intelligence over cultural and national identity.
- Encouraging students to participate in other European programs.
- Updating the knowledge and skills of the learners.

Impact and long-term benefits will refer to increasing young people's employment and better support for competitiveness and entrepreneurship. The evolution of the culture and culture of the local community, with the acceptance of diversity and the increase of flows and links between EU countries.

The reform of IEK curricula and the incorporation of the acquired knowledge into IEK courses (eg in the IEK research work), the use of knowledge and experience and the interconnection of education with the labor market, the diffusion of knowledge and experience within IEK for organizing better programs, strengthening cooperation between European Vocational Education Organizations and increasing the visibility of these systems.

**Κωδικός** 2019-1-EL01-KA102-062252

**Τίτλος Σχεδίου** Εφαρμογή Σύγχρονων Συστημάτων Συμπαγωγής Ενέργειας σε Κτίρια

**Συντονιστής** 1<sup>ο</sup> ΕΚ ΑΝΑΤΟΛΙΚΗΣ ΑΤΤΙΚΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The usual way to meet the energy needs of individuals and professionals is to buy electricity from the grid. Today's economic conjuncture, however, is pushing for energy autonomy solutions, installing heating burners and seeking ways to save energy.

The search for ways to increase energy efficiency in buildings and energy savings has also led to the introduction of CHP systems, also known as Cogeneration. More specifically, we refer to the use of an energy source (oil, natural gas, and biogas) for the combined production of electricity and thermal energy. Also, with the cogeneration method, a significant part of the heat discharged into the environment is recovered and used in a beneficial way. The implementation of these systems ensures a reduction in primary energy consumption, a reduction of emissions of gaseous pollutants and a minimization of the production cost per unit of final energy product.

Cogeneration systems are considered as integrated energy systems, since they can cover all final energy uses (electricity, hot water, steam, hot air, cooling). The degree of efficiency of cogeneration systems may reach 85%. As a result of all these, the demand for trained staff who can implement these solutions is constantly increasing. It is therefore important for our school students to have this expertise in the field of cogeneration.

The present project entitled "Application of Synchronous Cogeneration Systems in Buildings" concerns the mobility of students of vocational education in the Mechanical and Electrical Engineers of the Consortium schools (1 ΕΚ ΑΝΑΤΟΛΙΚΗΣ ΑΤΤΙΚΗΣ, 2 ΕΠΑΛ ΑΧΑΡΝΩΝ & 1 ΕΣΠΕΡΙΝΟ ΕΠΑΛ ΑΧΑΡΝΩΝ). The project will be attended by 44 students, who will travel to Germany and Cyprus for 16 days, where the hosts, uve GmbH and SYMAKO MOB Ltd respectively will undertake the training.

The project aims to cover the training needs of both students and the labor market for:

- Basic knowledge of cogeneration solutions
- Understanding the energy needs and autonomy of businesses and households
- Familiarity and applicability of CHP systems.
- The objectives to be achieved by the implementation of this mobility plan are:
  - Developing an integrated understanding of key points, components and cogeneration technologies (CHP)
  - Developing the perception of the interdependence between electrical and thermal energy
  - Ability to analyze the distinct components of a cogeneration system: heating circuit, cooling circuit, power circuit
- Applicability of the main cogeneration technologies

- Familiarization and development of key points of a standardized cogeneration system
- Special knowledge in relation to interconnected CHP systems
- Information on CHP systems.

By completing this program, participants will have acquired knowledge and skills and appropriate attitudes and behaviors. We briefly mention:

- Understand the basic principles of energy needs and energy efficiency
- get acquainted with the application areas of CHP systems
- know the interconnected CHP systems
- apply cogeneration installation and maintenance techniques
- prepare an energy study
- Analyze the distinct components of a cogeneration system
- apply the main cogeneration technologies
- Strengthen capacity to adapt and expand existing infrastructure
- Create proposals and analysis of performance and depreciation.
- adhere to safety rules
- develop a comprehensive understanding of key points, components and cogeneration technologies
- Recognize the importance of cogeneration for environmental protection.

The potential long-term benefits of implementing the project are focused on:

- increase in professional qualifications,
- creating more flexible learning methods,
- improving the quality and effectiveness of education and training,
- boosting innovation and creativity as well as entrepreneurship,
- Developing and consolidating a culture of extroversion, communication, collaboration, lifelong learning and quality assurance.

The above positive results of our mobility projects are binding on us for our continued and uninterrupted participation in them. Thus, the integration of the experience the participants receive in the projects are transplanted through the transfer and adaptation of successful examples abroad both to our Agency and by the dissemination of this experience to similar schools and to centers of power related to education and training.

**Κωδικός** 2019-1-EL01-KA102-062253

**Τίτλος Σχεδίου** Διαχείριση Γεωργικής Εκμετάλλευσης με τη Χρήση Drones

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΛΥΚΕΙΟ ΘΗΒΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

As many of our students are people with fewer opportunities, since they come from very low economic strata and live in remote areas of the greater Municipality of Thebes, they need special support and help in the current economic climate to gain additional qualifications that will help them make them competitive in the working environment.

It is of particular importance for a regional EPAL with limited access to use tools such as European mobility activities to enhance its outward orientation, network with actors and incorporate good practices for the benefit of its students.

The Design and Evaluation Team of the 1st EPAL of Thebes, taking into account the existing curricula combined with the characteristics of the local labor market, designed the proposed European mobility activity to support and assist students in their efforts to improve their career prospects, creating a framework for:

- knowledge of drones applications in agricultural crops,
- use in production management and forecasting (cultivation, sowing, fertilization, application, harvesting),
- collecting information on the state of soil, water and microclimate,
- correlation of findings and organization of an action plan for fertilization, pesticide use,
- enhancing professional knowledge and skills,
- highlighting prospects for professional integration and personal development,
- developing critical thinking, teamwork and extroversion,
- drawing on experience in relation to employment in Europe,
- creating incentives for further training,
- Strengthening European consciousness and lifelong learning.

The proposed project entitled "Drones Farm Management" is a special innovative specialization that is related to the needs of the local labor market. In the field of agriculture, the use of drones (helicopters / planes) is gaining more and more ground since the great benefits they offer are recognized by more and more farmers around the world. Participating students will understand the entire farm management system by using satellite location of remote sensing data and collecting data. These are sophisticated technologies that aim to optimize the efficiency of the inputs and potentially reduce the environmental impact. With the development of this sensor technology, information on soil, water and microclimate status is collected, resulting in resource and input savings, supporting the sustainable development of the rural enterprise.



It is proposed for 22 students of IT specialties and Agriculture to participate, who will go to Italy with two escorts for 16 days on host PROFAGRI SALERNO. The educational content of the program was determined in the light of local particularities, the needs of students for access to a particularly innovative training content relevant to their specialties and the promotion of the educational work of the 1st EPAL of Thebes.



**Κωδικός** 2019-1-EL01-KA102-062254

**Τίτλος Σχεδίου** **Ενεργειακή Αναβάθμιση Ξενοδοχειακών Υποδομών**

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΠΑΡΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The project titled “Energy Upgrading of Hotel Infrastructure” is expected to involve 30 students (15 per flow), Mechanical and Electrical Engineering specialists with 4 teachers, who will travel to Cyprus for 16 days.

The tourism industry is a key pillar of the Greek economy, and even more so of Paros Island, where tourism is the main source of income for the island. However, due to the “aging” of many of the hotels and tourist accommodation, it is imperative to upgrade the hotel infrastructure, aiming both at higher quality services and at the same time reducing their operating costs and rational use of energy through the reduction impact on the environment.

It is clear that energy costs are a very important part of the overall operating cost of hotels. Consequently, the exploitation of energy saving and rational use technologies (RWE-RCE), as well as the exploitation of Renewable Energy Sources (Renewable Energy Sources), are a one-way street for the improvement of the energy efficiency of hotel infrastructures.


Our school, having in mind the need that exists in the hotel infrastructure of Paros and the new developments in the field of energy upgrading of buildings, has designed the program entitled “Energy Upgrading of Hotel Infrastructures”.

The main objective of the project is to train the trainees in the field of analysis, evaluation and application of RES-RCE and RES technologies targeted at the hotel sector. In addition, this training will trigger the expansion of activities and the adaptation of learners to the modern data required by energy upgrading technologies for buildings to become competitive in the labor market.

With this Mobility Plan, the purpose is, in principle, to enhance extroversions and European cooperation with VET providers as well as hotel units implementing relevant automation and energy saving techniques. The common goals of all involved are to meet the identified educational needs of students in the EPAL Engineering and Electrical Engineering departments and to assist them in their course from Vocational Education to Work.

The aim is also to broaden the professional horizons of students, to support them through the implementation of training actions and contact with new skills related to their professional field so that they acquire recognized knowledge, skills and professional skills that will reveal new opportunities in the professional the future.

Along with the theoretical training, the students of the 1st EPAL PAROS will make technical visits to hotel units in Cyprus. They will have the opportunity to discuss the procedures they follow to implement energy-saving policies and the impact they have on their turnover. INTERCOLLEGE as a host organiza-



tion has a well-established reputation in the educational community and through its own workshops and program in practice companies we believe it will offer the added value of the project.

The aim of the project through the training program is to upgrade our pupils in order to acquire the skills required for their future integration into the labor market, as well as their equal participation in social life. To this end, an integrated educational program is proposed that will be implemented in parallel with educational visits by the host institution to hotel units in order to:

- acquire strong know-how of the energy upgrade of hotel units
- evaluate the hotel's current situation
- plan a plan of action
- support and monitor the actions being implemented
- Cultivate social behaviours and intercultural skills to effectively respond to heterogeneous multicultural groups through co-operation with the staff of the partner organization and through their contact with the local community, thus enhancing their adaptability
- strengthen their European profile and the awareness of the European citizen
- Acquire personal development opportunities, professional skills and incentives to explore professional outlets.

Actions will have multiplier effects and benefits for beneficiaries, as they will acquire learning experiences and benefit from the expertise of other workers as well as training in energy upgrading in the hotel environment. As for the stakeholders, they will strengthen networking and cooperation with a view to reducing unemployment and modernizing education / training systems in the hotel sector.

**Κωδικός** 2019-1-EL01-KA102-062255

**Τίτλος Σχεδίου** Σήμανση και Ετικέτα Ελαιόλαδου

**Συντονιστής** 2<sup>ο</sup> ΕΠΑΛ ΠΕΡΙΣΤΕΡΙΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Olive oil has always been the national product of Greece, but in the past years a large part of the olive oil produced was marketed without standardization. The economic crisis has prompted many olive oil producers and mills to consider the possibility of standardizing olive oil and exporting it abroad. Thus, remarkable packaging of olive oil has been created, which has made this excellent product known in European and international markets. Standardization gives the products the following advantages:

- Has a positive impact on the organization of production and marketing
- Ensures trade legitimacy and market transparency while removing products of unsatisfactory quality from markets.
- Protects the health and consumer economics.

Thus, Greek exports of standardized olive oil, in recent years, are growing at a satisfactory pace, with a consequent strengthening of the country's extroversion. These developments have increasingly led to an increase in standardization units but also in people employed there. The modern economic environment presents several challenges in the workplace with regard to the food sector in general and more specifically on olive oil. These challenges are focused:


1. developing a more skilled workforce
2. in the cultivation of specialized capacities with respect to Packaging

The 2nd EPAL of Peristeri, taking into account the above mentioned need, but also wishing to link education with entrepreneurship, participates in the specific program entitled "Labeling of olive oil". The mobility will be attended by 22 participants of the Economics & Management and Graphic Designs who will travel for 16 days in Spain and more specifically in Seville a region that has a large olive oil production as well as many standardization and labeling units. At the same time, host organization Pallars Jussa has a broad network of internships and has planned a coherent training program, in addition the organization's main focus is on the visibility and branding of businesses.

The plan explores the dynamics of a product label and packaging in general in branding and how they can evolve into basic marketing tools and help diversify the product on the shelf. It mainly refers to creative ideas and techniques that can "animate" the label and transform it into a means of communicating with the consumer.

Participants will know the BENEFITS of the packaging design and the olive oil label, such as:

- Protects the product against deterioration, destruction or alteration of its features.
- Facilitates physical distribution through the distribution network.

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- Makes it easy to place on the shelves of the store where it is sold.
  - Displays the product at its points of sale.
  - Helps create the image of the product.
  - Differentiates the product.
  - Helps promote the product's signal.
  - Helps to quickly locate the product within the store.

Techniques such as, but not limited to: variable data in a series of labels, collapsible labels, QRcodes (barcode) scanned and referring you to a website will be developed. It will also emphasize the importance of the right label to boost the brand and create goodwill in the product. The purpose of the project is to highlight the importance of the label in building image, product differentiation, and creating a relationship and emotional approach with the consumer.

The level of training is designed so that students can assimilate the content of the project better and the following will be followed:

- Active participation at all stages of learning
- Collaboration in a friendly environment that favors it
- Program evaluation
- Linking the theoretical knowledge with practical applications and examples.

The expected learning outcomes of the participants after the completion of the follow-up of the proposed training plan are as follows:

- be informed of the principles governing the design of packaging, its parts, types and importance for export promotion, label and content relationship, packaging relationship, label and consumer exposure,
- be familiar with the techniques (eg, transparent labels) in packaging and applications (eg gift packages),
- design and build the brand of olive oil and other products,
- understand the mistakes to be avoided during the process of designing and building the brand,
- know and use the techniques of a successful branding,
- apply the techniques of brand promotion strategies.

**Κωδικός** 2019-1-EL01-KA102-062259

**Τίτλος Σχεδίου** Εκπαίδευση στη Διαχείριση Αστικών Απορριμμάτων

**Συντονιστής** ΕΠΑΛ ΚΡΕΣΤΕΝΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The second integrated urban waste management project of the country begins in the prefecture of Ilia. The project concerns the construction and operation of "Solid Waste Treatment Plant, Energy Production Facility and Sanitary Landfill Site". In addition, more than 200 jobs are expected to be created. The main objectives of the plant are the recovery of recyclable materials, the production of compost with many possibilities of use, the production of energy from the produced biogas and the reduction of the mass and volume of municipal waste going to landfill.

In summary, according to the ministry, the project "concerns the construction and operation of a modern waste water treatment plant in the prefecture of Ilia, which will include the following main components: reception, mechanical sorting unit, biogas production facility, biogas, an aerobic biological composting unit (composting) for the production of compost, a landfill site for inactivated residues and two units for the treatment of resulting effluent from the operation of the project".

In view of the above developments, and having as its main concern the vocational rehabilitation of its graduates as well as the linking of vocational training with the labor market, Epal Krestenon is submitting a project - for the first time in the Erasmus+ program - entitled "Urban Waste Management Training" For 22 participants in engineering and electrical engineering. Who will travel for 16 days in Germany, a country with a particular development in the recycling of urban waste.

The UVE host institution - is a specialized organization with laboratories and structures with state-of-the-art technological equipment - has designed a program of activities that is based on the needs of the students and is combined with practical applications and educational methods that will give the greatest learning outcomes to the project.

The main objective of the project is the management of urban waste through the application of a modern and rational way, in line with the *acquis communautaire* and the principles of a cyclical economy.

### *The main objectives of the program lie*

- waste prevention and re-use, as key rules of the cyclical economy
- on biodegradable source separation and composting practices
- the knowledge of a single and integrated treatment of all waste streams
- the prioritization of priority activities in the prevention, preparation for re-use, recycling, resource and energy recovery and final disposal of waste
- the use of waste treatment technologies
- enhancing the capacity of the Recycling Centers



- the implementation of waste management techniques, depending on the category to which they belong,
- the use of hazardous waste treatment technologies - Delivery / transport / storage procedures,
- Understanding appropriate schemes for hazardous waste management,
- knowledge of pollution prevention and control techniques - limiting pollution spreading projects in adjacent areas,
- Knowledge of a classification and initial waste assessment process,
- the procedure for selecting the correct waste code,
- The application of classification of specific waste categories.

The expected results of the project focus on the knowledge of the basic principles and provisions of national and European legislation regarding hazardous and non-hazardous management issues. Once the program has been completed, learners have to understand:

- the new EU concept and policy; that waste is a resource and the economy from the linear mode of development is driven by a cyclical economy
- the importance of collecting transport, waste treatment in the new model of development of the cyclical economy in order to implement the necessary actions of compliance in accordance with the provisions of the Legislation
- the ways and techniques of integrated management with modern techniques harmonized with strict EU standards
- The importance of the environmental and social dimension in the management of urban waste
- Understanding the basic characteristics and processes that take place during the mechanical separation of solid waste and the recycling of products and components
- the acquisition of basic knowledge - processes through which the mechanical, thermal and biological treatment of municipal solid waste is achieved
- The need to transfer the European know-how and environmental philosophy to the country.

**Κωδικός** 2019-1-EL01-KA102-062260

**Τίτλος Σχεδίου** Συνεργείο του Μέλλοντος: Επισκευή και Συντήρηση Οχημάτων Μέσω Εφαρμογών Λογισμικού

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΨΑΧΝΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

International car manufacturers, representatives of the spare parts industry, suppliers of the transport and supply chain, as well as garage equipment suppliers, software developers and start-ups have turned to the new “smart” solutions offered by new vehicle technology.

Our school teachers, having as their primary objective to monitor developments in their field of education, and because the vehicle industry is dynamic and constantly changing, are participating in exhibitions, online forums and subscriptions to magazines. Thus, the kick-off for this program, entitled “Garage of the Future: repair and maintenance of vehicles through software applications”, resulted from a visit by the professors at the “Automechanika Frankfurt 2018: New Repair Technologies” exhibition, where new trends emerged in this sector.

Presentations of automakers in our report have led us to the conclusion that the use of electronic devices in vehicles is increasing and the amount of information that the diagnostic system can provide is extensive and varied, opening new opportunities for the world of repairs. The “connected vehicle” of the future will record and send the driving data, information on its operating status and the stresses faced by its various components.


Thanks to an intelligent and in-depth reading of his data, it will be possible to monitor the real-time ‘health’ of cars in real time and, if necessary, be informed by their owner, in order to deal with problems early. This will lead to a more reliable relationship between the repairer and the consumer, more timely service, significant increase in service quality and shorter repair times.

The program comes to cover a need that will soon arise in car repair and create skilled professionals to be ready to face the repair of vehicles in the future. The specialties of the 1<sup>st</sup> EPAL of Psachna, which will take part in the training mission, is IT Informatics Technician and Vehicle Technician of the Mechanical Engineering Sector, which are directly related to the curriculum.

As the host institution, the Center de Formation et d’Apprentissage Municipal Jackie Drouet (CFA) was selected in Belfort, France. It is a vocational education and training center with many years’ experience, specializing in five key areas of work, including the automotive industry. The CFA has developed an extensive network of collaborating businesses so that after the end of the educational process, besides excellent training and well-equipped and specialized workshops, it ensures the placement of students in enterprises in order to gain experience in real working conditions.

Through the program students will be able to:

1. Know software applications in workshops that optimize repair and diagnostic procedures,
2. They find very easily and quickly the necessary information they need to repair a vehicle, the processes both online and offline (Online -Offline),

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3. Store in a database thousands of actual use cases collected on the basis of the day-to-day workshop to use them on a case-by-case,
  4. Handle diagnostics and provide vehicle repair solutions,
  5. Combine automation and connectivity with workshops,
  6. Reduce the time required for the repair and maintenance of each vehicle,
  7. Understand their role as modern repairers - technicians.

The planned activities include theoretical training, comprehensive specialization in the well-equipped and specialized CFA vehicle workshop for students to learn in real working conditions, fitting to major automakers and cultural visits, such as the Musée de l'Aventure Peugeot in Montbeliard.

After the end of the program the trainees are expected to have acquired knowledge and skills to:

1. Be informed about the future of repairs,
2. Know software applications in workshops that optimize repair and diagnostic procedures,
3. Combine automation and connectivity with garages,
4. Create a digital vehicle card,
5. Handle new methods to diagnose vehicle problems and provide repair solutions,
6. Perform associated repair and maintenance work,
7. Optimize garage processes,
8. Understand their role as modern repairers - technicians,
9. Get acquainted with advanced garage software.

**Κωδικός** 2019-1-EL01-KA102-062261

**Τίτλος Σχεδίου** Τεχνολογίες Πετρελαιοκινητήρων & Συστήματα Αντιρρύπανσης σε Οχήματα

**Συντονιστής** 3<sup>ο</sup> ΕΠΑΛ ΠΕΙΡΑΙΑ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Today, the exhaust and antifouling system of diesel engines is a small chemical laboratory that needs special attention during repair and maintenance work. There are not many events reported by craftsmen who express the difficulty of handling, controlling and diagnosing failures of new technologies.

All new diesel-powered cars in order to be environmentally friendly are equipped with significant anti-pollution technologies, with carbon black filters or otherwise known as DPF (Diesel Particulate Filter). The exhaust system for today's modern cars is a high-tech chemical reaction workshop, especially for EURO 6 cars equipped with additional NOx containment systems for which all craftsmen should be up to date, so that the advantages of economy and environment friendliness of diesel engines are feasible.


Based on the above NEEDS that have arisen in the maintenance of the diesel engines, we proceeded to the design of the program entitled "Diesel engines & vehicle pollution control systems".

The project will be attended by 22 students from the 3rd EPAL of Piraeus, accompanied by 2 teachers, who will travel to France for a period of 15 days. Participants are in the Mechanical Engineering field as technicians. They come from disadvantaged environments and have fewer opportunities because they live in peripheral and rural areas.

As the host institution, the Center de Formation et d'Apprentissage Municipal Jackie Drouet (CFA) was selected in Belfort, France. It is a vocational education and training center with many years of experience. He specializes in the automotive industry, with equipped and specialized laboratories, and has developed a large portfolio of partner partners.

The objectives to be achieved with the implementation of the project for the participants:

- Know the operating principles of DIESEL engines - Power - Torque, Technical characteristics - Developments
- To be informed about fuel oil, its features, fuel types, applications, modern diesel lubricants and what the relationship of all of them
- Understand common rail power systems, types, description of system components, their operation, system differences
- Control the engine supply systems
- To describe the exhaust anti-pollution systems, specifications, exhaust emission systems
- Control the engine management system
- Control and proceed with measurements of the exhaust system
- To apply the soot measurement procedure (VOC) in accordance with the permitted emission limits and legislation.



The planned activities are designed primarily for theoretical education and training at host institution facilities, as well as laboratory courses in well-equipped and specialized vehicle workshops that enable students to learn in real working conditions and to specialize. Student placements take place in major automakers, but also in a company that supplies all car industries worldwide with parts and spare parts. Finally, cultural visits to the host country will also take place.

The participants at the end of the learning process at the level of knowledge / skills / attitudes are expected to:

- Know the latest diesel engine technologies
- understand the input and warm-up systems
- Be informed about diesel engine power systems
- know the diesel emission control systems, the recycling valves
- Understand the exhaust system, soot filters, selective reduction catalysts
- Manage exhaust systems
- control and diagnose faults in the above systems
- apply the relevant Legislation
- Issue an Exhaust Control Card
- advise on the achievement of proper operation and maintenance of diesel engines
- Initial settings of basic parameters of engine power and antifouling systems
- To maintain the above systems.

The above mobility and cooperation activities are expected in the long run to contribute both to meeting the needs of learners, to their personal development, to developing their social skills, to creating a “European identity”, and to increasing the added value of EPAL, enhancing the development of collaborations, research projects and work, further networking, enhancing the quality of education provided, creating a creative and multicultural environment.

**Κωδικός** 2019-1-EL01-KA102-062262

**Τίτλος Σχεδίου**

1. Σχεδιασμός, Κατασκευή και Συναρμολόγηση Ρομπότ, με τη Χρήση 3D Εκτυπωτή και Smartphone ως Ελεγκτή. 2. Μηχανοτρονική: Μελέτη και Κατασκευή Ευφυών Μηχανικών Συστημάτων. Η Εφευρετικότητα και η Καινοτομία στο Αυτοκίνητο του Αύριο

**Συντονιστής**

1<sup>ο</sup> ΕΡΓΑΣΤΗΡΙΑΚΟ ΚΕΝΤΡΟ ΛΑΓΚΑΔΑ

**Διάρκεια Σχεδίου**

18 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

1st EK Lagada proposes a KA1 student mobility program, with two flows belonging to the Short-Term Mobility of Vet Learners.

### *Flow 1 Robotics*

This action, titled "Design, construction and assembling of a robot, using a 3D printer and a smartphone as controller", involves a mobility of 15 students of the IT and Mechanical Engineering sectors of EK. Lagada and 2 accompanying teachers, in Helsinki, Finland, in November 2019, for a period of 16 days. Students will be trained in the design, construction and assembly of robots, using a 3D printer and a smartphone as controller. The program will include 40-hour training with a theoretical and practical part and professional visits to businesses and organizations using automations.

### *Key objectives:*


- Provision of initial vocational training
- Linking VET to the labor market through business visits to companies / organizations using automations
- Acquisition of knowledge related to robotics, electronics and 3d printing
- Enrichment of the curriculum of the students
- Cultivating team spirit, gaining useful experiences, enhancing students' self-confidence and creativity
- Familiarizing with Finnish culture
- Certification of the knowledge they will receive in Finland
- Transfer of know-how and best practices to our country

The expected impact for the participants, concerns, mainly, the application to the lab of the new objects that will be taught. It also strengthens the European dimension of education, with knowledge of new educational systems that will stimulate new perspectives in providing education services.

### *Flow 2 Mechatronics*

This specific action titled "Mechatronics: Design and construction of intelligent mechanical systems, Innovation and Innovation in tomorrow's car", includes a 35-hour seminar, business visits to universi-





ties and businesses, and cultural actions. It will be implemented in Berlin, Germany, because 90% of all European car manufacturers are located in the Greater Berlin area.

It refers to 16 students of EK Lagada. from the fields of “Electrical Engineering” and “ Vehicles Technicians”, who are taught courses such as: Design of Electrical Installations, Automation, Motor Vehicle Technology, Internal Combustion Engines, etc.

### **Key objectives:**

- To train participants and develop their knowledge of modern automobile technology, particularly in measuring and control instruments and devices, digital electrical circuits, microcomputers, new sensors and actuators of a car, self-diagnosis systems
- Training in the handling of instruments and devices for measuring and checking the car, the basic components of electrical circuits and microcomputers
- Use of all the above systems to safely test and diagnose car problems

The expected results of both flows are summarized as follows:

- at the level of pupils’ cognitive horizons, by training them on cutting edge technology, obtaining the Europass / Youthpass certificates, certifying their knowledge and improving their language skills
- at the level of social knowledge and skills of students, with the development of their socialization, the acquisition of experience, their participation in educational and cultural activities
- for teachers, on the opportunity to participate in an innovative learning process, on contacting education and entrepreneurship in a foreign country, and on organizing seminars in collaboration with the pedagogical team to transfer the acquired knowledge

The benefits of the program are initially reported to the EK itself, which will be modernized, have a network of international co-operation and its outward orientation will be enhanced. Additionally, EK will be upgraded, both in terms of management and utilization of human resources, as well as teaching practices and teaching efficiency, by enriching and modernizing the traditional way of teaching, by using innovative approaches, by enhancing the positive climate and co-operation.

For the participating students, the benefits will be multiple, such as the strengthening of their curriculum vitae with the acquisition of Europass/Youthpass, the acquisition of knowledge skills in “cutting-edge” technologies (robotics, mechatronics), their facilitation of entering the labor market and the development of their personality.

In the long term, there will be multiple benefits, since the implementation of innovative programs will help to promote knowledge, improve training and engage EK. Lagada to successful Erasmus + KA2 strategic partnerships.

**Κωδικός** 2019-1-EL01-KA102-062263

**Τίτλος Σχεδίου** Ολιστική Προσέγγιση Σχεδίασης, Εγκατάστασης & Συντήρησης Φ/Β Σταθμού στην Πράξη σε Ξενοδοχειακές Μονάδες

**Συντονιστής** ΕΠΑΛ ΜΥΚΟΝΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The question of the continued development of technology and the economy in recent years has been inseparably linked to the effort to respect the environment and green growth through mild energy. Among them are the photovoltaic power generation systems. Nowadays, ecological footprint in hotels and tourism businesses can be eliminated through the utilization of RES and in particular photovoltaic technology, while at the same time reducing the fossil fuel that seriously damages the environment and intensifies the greenhouse effect.

It is also noted that the use of these technologies can fully meet the energy needs of a hotel, taking advantage of the new possibilities offered by the legislation, which stipulates inter alia that photovoltaic plants can provide extra energy to the system, eventually creating a positive balance between conventional and alternative forms of energy.

At the same time, estimates by the PV industry indicate that about 30 jobs are created per MW of installed power. Based on the “accelerated” scenario as presented in the Solar Generation VI (EPIA / Greenpeace) report, more than 2.5 million full-time jobs could be created globally by 2030 in the PV sector.

Based on the above developments and given that there are several hotel and tourist units in Mykonos, as well as a great need - especially in the summer months - for energy consumption, we have designed the program titled “Allied Approach to Design, Installation and Maintenance of PV Station Act in Hotel Units” in order to draw up specialized human resources for the installation and maintenance of PV.

The purpose of the plan is to analyze and fully present all parameters that affect & affect the correct installation of a PV system in a tourist accommodation. All the necessary steps will be taken and the details to be taken into consideration before installation as well as the materials used.

The individual objectives of the project are:

- Knowledge of PV systems
- assessment of the installation site in the hotel unit of the PV plant
- determining the required size of system components
- information on licensing procedures, standards and regulations (national and European)
- install PV system
- control and implementation of a mechanical design
- control and implementation of an electrical plan
- overseeing the entire installation, identifying and addressing failures and deficiencies

- Identify the tools and equipment required to maintain and deal with potential problems
- Ensuring safe work, compliance with safety standards and regulations.

32 pupils (16 per flow) of the 1st EPAL of Mykonos will participate in the proposed project, accompanied by two teachers per flow, who attend courses in the fields of Electrical & Mechanical Engineering. Virvelle srl was selected as the host in Campania, Italy (Salerno). Virvelle is a consulting and training company, as well as job finding, offering comprehensive services to businesses as well as individuals. The organization's goal is to design and offer highly effective training programs for the development of professional skills and the professionalism of participants, promoting continuous training and lifelong learning.

The sixteenth (16) day business plan includes theoretical training, workshops in specially-equipped facilities, installation in PV design, installation and maintenance, as well as hotel units that have installed PV panels and energy storage systems, cultural activities and a final evaluation and evaluation meeting of the project and the award of participation certificates.

At the end of the project students will be able to:

1. know how frames and PV systems work
2. test PV products and check quality features, system certification
3. Designing a PV system in hotel units
4. select the system components
5. install a PV system
6. test the system
7. Connect and maintain a PV system.

The potential long-term benefits of implementing the project are:

- Networking with overseas organizations, educators and businesses
- Exchange of information, know-how and good practices
- Cooperation on Lifelong Learning and Vocational Training
- Enhance the recognition of the school
- Participation in multicultural environments.

**Κωδικός** 2019-1-EL01-KA102-062266

**Τίτλος Σχεδίου** Η Γεωθερμία ως Μοχλός Ανάπτυξης στην Τουριστική Βιομηχανία

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΚΩ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Kos and Nisyros have thermal springs, and even Nisyros is considered one of the best in Greece. So, despite the fact that there are remote islands, we have two major advantages that we must exploit: geothermy on the one hand and tourist infrastructure on the other. These two important areas can in synergy be a factor in the development of our islands. Inspired by the advantages we have, developments in tourism development in Greece, but also by the fact that we want our students to work in their own home, we have designed the program titled "Geothermy as a lever of growth in the tourism industry".

The project is submitted for the second year due to the strong interest in the subject, the dissemination of the learning outcomes and the capture of the experience gained.

### The two main thematic areas of the program are:


**First**, the training of the "Electrical Installations" and "Mechanical Installations and Structures" specialties of the EPAL in Italy in the Naples region, which have a rich tradition of exploiting geothermal energy. **Secondly**, the training of the specialty "Employees of tourism enterprises" of EPAL in Cyprus, a country with tourism development and especially spa tourism, will be also in focus for this program.

Educational needs of students respond to those of the labor market and focus on the following:

- Acquisition of knowledge on geothermal energy and its potential for exploitation in the tourism industry
- Specialization in the installation, operation and maintenance of electrical and mechanical installations and structures for cooling and heating of tourist units with geothermal energy
- Acquaintance and adoption of good practices for the exploitation of geothermal energy in the cooling and heating of tourist units
- Acquiring basic knowledge about thermal tourism and its relation to geothermal energy
- Information on the institutional framework for the establishment and operation of hydro-treatment facilities
- Specialization in the creation, organization and management of hydrotherapy facilities.

The purpose of the proposed project is to train students in the following fields:

- A. Electrical and Mechanical Engineering in the exploitation of geothermal energy for the heating and cooling of tourist units. Specifically, students will specialize in the design, installation, operation and maintenance of electrical and mechanical installations and structures for the cooling and heating of tourist units using geothermal energy.

- 
- B.** Financial and Administrative Services - specialization Employees of tourist enterprises in acquaintance and education of students in the current institutional framework of the establishment and operation of a hydrotherapy centre. In particular, students will specialize in the establishment, organization and management of hydrotherapy facilities, and will be comprehensively and practically elaborated on the methods, techniques and marketing tools that can be used to promote and promote spa tourism.

The monitoring and completion of the project focuses on achieving the following OBJECTIVES for the participants:

- Of the Electrical and Mechanical Sectors
  - To understand the concept of geothermal energy, properties and potential for its use in the tourism industry
  - To construct in co-operation and within a group of different specialties electrical and mechanical installations and constructions of cooling and heating systems in tourist units operating with geothermal energy
  - Maintain the electrical and mechanical installations and constructions used in the cooling and heating of geothermal tourism units.
- The Specialty of Employees of Tourist Enterprises
  - understand the meaning, properties and uses of hydrotherapy and healing tourism, as well as its relation to geothermal
  - To participate in the establishment, organization and management of hydrotherapy units
  - To get a complete picture of the principles, process and stages of a hydrotherapy marketing plan.

The training program includes theoretical training, linked to practical visits and placements to companies, organizations and businesses in the tourism sector.

The forty (40) participants of the 1st EPAL Kos will travel for 16 days in Cyprus (Finance and Administration) and Italy (Electrical and Mechanical). The recipient institutions SYMAKO MOB in Cyprus and VIRVELLE in Italy who have been selected have a great experience in lifelong learning and education, but mainly have designed a program that is coherent and tailored to the needs of learners. This plan has the guarantees to bring the best possible learning outcomes and to translate the acquired knowledge into the local community and in particular the tourism industry. In addition to enhancing qualifications, the project will help boost innovation and creativity as well as entrepreneurship.

**Κωδικός** 2019-1-EL01-KA102-062267

**Τίτλος Σχεδίου** "Farm to Fork" Logistics and Integrated Crop Management: Towards a More Sustainable Food Chain

**Συντονιστής** 5<sup>ο</sup> ΕΣΠΕΡΙΝΟ ΕΠΑΛ ΘΕΣΣΑΛΟΝΙΚΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

At global level, there is a need for both consumers and agricultural businesses to align with sustainable agriculture, to ensure the production of high quality products and deliver them to the final consumer through a green supply chain. IT and telecommunications technologies, innovative practices and new transport channels are needed to meet the increasing demands of customers for fresher, cheaper agricultural products and their fast delivery to our plates.

Current mobility aims to involve 18 students from the following study sectors: Agriculture, Food and Environment, Computing sector (ICT), Finance and Administration sector, to undergo an extensive and comprehensive training program along with technical visits to companies.

The majority of the participating students are disadvantaged adults, coming from vulnerable social groups, former dropouts getting back to school to acquire vocational training skills in order to adapt quicker into the labor market. They are people who have not travelled abroad and do not have the opportunity to do so.

The mobility will contribute to their personal and professional development, will support the cultivation of existing skills and experience, the acquisition and exploitation of new knowledge, enrich their social, linguistic and intercultural skills, strengthen their European consciousness, their ability to adapt into a different socio-cultural context and will finally contribute into supporting their self-improvement, and personal development and finally will enhance their self-esteem.

This project however does not only aim at acquiring an up-to-date knowledge of the "farm to fork" vegetables' production and their distribution cycle. It focuses on the know-how of Integrated Crop Management and the routing of vulnerable products, through a Green supply chain. It involves much more than simply familiarizing with production and supply chain (logistics). It will help students to get their studies more relevant to the labor market, change their professional and social culture (while minimizing their environmental footprint), will strengthen their professional profile and aims to make them more productive and competitive.

Students will be accompanied by 2 teachers, who are characterized by attributes such as responsibility, effectiveness, cooperative spirit, ability for networking and have experience in working in multicultural environments. They have participated in previous European Programs and have the necessary experience to successfully conduct and complete the action.

Mobility will strengthen European's school profile, will meet the school's need for developing cross-border partnerships with educational, training institutions and the labor market, will foster a sense of European integration into its pupils and teachers, will cultivate their socio-professional background and will



create a network of possible organizations and companies where students could get involved in terms of their apprenticeship.

The training program has been designed along with both partners, is consistent with the needs of the curriculum and the market needs. All activities are included in the agenda and the Letter of Intent (both attached).

Throughout the designing of the project, partners will communicate by phone, email and videoconferencing (skype). In the upcoming future, participants will take part to sessions about the meaning and the significance of European programs will receive linguistic preparation at school and will prepare a cultural and social study for the visiting country and the host city.

Both partners will work together before and during the implementation of the seminar in order to ensure the expected learning outcomes and project objectives. "EPD" organization will carry out administrative and organizational formalities required for the project, so that the expected results will be achieved.

While organizing the mobility, all available tools and methods will be used, to achieve the most beneficiary terms (concerning accommodation, security and coverage). Evaluation will be done on a daily basis to ensure the effectiveness of the process.

By the end of the program and in terms of the feedback, the knowledge and skills acquired will be assessed. Teachers will pass their experiences and good practices acquired, to other teachers and students at school, in order to answer the educational and pedagogical needs of the school and also in local and regional level.

The implementation of the project will strengthen the European profile of the school, the experience, acquired knowledge and professional skills of the participants, will be used for reflection at all levels (organizational, pedagogical, professional), will give a new orientation to all participants and will lay the foundations for new collaborations.



**Κωδικός** 2019-1-EL01-KA102-062268

**Τίτλος Σχεδίου** Εξειδίκευση Φυσιοθεραπευτών στην Αποκατάσταση Ατόμων με Αγγειακό Εγκεφαλικό Επεισόδιο

**Συντονιστής** ΔΙΕΚ ΛΑΜΙΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Today, we know that strokes are a serious condition that often leads to death or permanent disability, causing functional and neurological deficits, is the third leading cause of mortality in developed countries and the first cause of disability in humans, responsible for 25,000 incidents per year in our country, according to the World Health Organization (WHO)). Individuals who have suffered stroke and survived, have permanent neurological damage which is responsible for their limited functionality, their dependence on caregivers, and restriction of social activities and in some cases their social isolation.

Physiotherapy plays the most important role in the field of rehabilitation, as it considers movement to be a prerequisite for human health and well-being. Kinetic rehabilitation of these patients is a continuous and painful process that requires a bi-scientific approach with involvement outside of Physiotherapists and other health professionals such as Nurses.


Due to the severe effects of stroke on the daily activities of the patient, the role of rehabilitation, whose modern perception is oriented towards the choice of modern therapeutic interventions that aim and common denominator of functionality, becomes extremely important.

The main aim of the project is for trainees to integrate principles of motor control and kinetic learning into traditional approaches because the aim of therapeutic intervention is to teach the patient the functional movement (not the re-training of normal patterns of movement) so that it can self-serving and reintegrated into the family and social environment.

This program is aimed at Physiotherapists and Occupational Therapists with the aim of updating them to the new medical data on GNU, modern perception of new techniques such as Constraint Induced Movement Therapy (CIT), physiotherapy assessment, balance, walking, spasticity, Post Stroke Fatigue, physical activity, orthotics, etc. The program will include theory, case study, and video capture of techniques in patients with stroke by specialized professionals.

During the project, the participants will learn about the post-stroke recovery process, they will learn the steps and techniques required to recover a person with stroke but will also personalize and adapt them to the patient's needs . More specifically the program is oriented:

- In the knowledge of the types of cerebral stroke
- Understanding the pathophysiology of the patient
- Recognizing the clinical picture of the patient with AEE
- In patient evaluation (kinetic-sensory)
- Familiarizing with upper limb re-training exercises
- Familiarizing with lower limb re-training exercises

- 
- Getting familiar with core mobility exercises
  - The ability to refine the patient's balance
  - The ability to retrain the patient's walk.

Participation in such a mobility plan helps the beneficiaries to enjoy valuable experience and important resources to achieve the following specific objectives:

- enrich their knowledge of rehabilitation of people who have suffered a stroke,
- work in an environment with different technologies and know-how,
- broaden its professional horizons,
- Increase employment opportunities in Greece or in a foreign country.

The project is expected to include 32 students (16 per flow), who will travel to Cyprus for 16 days and more specifically to SymakoMob, which has a remarkable experience in transnational programs but has also drawn up a coherent training program based mainly on laboratory courses and internships in rehabilitation clinics and centres.

Flows will be implemented upon consultation with the host carrier. The expected length of stay abroad is sufficient to meet the participants' educational needs in order to acquire the necessary knowledge on the subject and at the same time to strengthen the intercultural characteristics of the program.

In the framework of the educational process of the program, innovative educational methods will be used, such as covering theoretical training with exercises-applications and linking with the internship. Emphasis will be placed on identifying ways to solve practical problems in practice and using work-based teaching with broad use of supervisory tools and feedback techniques, business simulation and interaction.

**Κωδικός** 2019-1-EL01-KA102-062270

**Τίτλος Σχεδίου** Νέες Τεχνικές Σχεδιασμού Υποδημάτων με Σύγχρονα Ψηφιακά Μέσα

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΛΥΚΕΙΟ ΑΙΓΑΛΕΩ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

### *Draft Framework*

Digital product design is one of the emerging industries that contribute to the development of entrepreneurship, innovation and competitiveness of the Greek economy.

In recent years, in Egaleo and the wider Attica region, more and more businesses, crafts and industries are actively involved in the design of footwear with digital means in their efforts to create innovative, quality and perfectly aesthetic footwear models. The result is the creation of demand for specialized professions relating to Shoe Design with modern digital media.

### *Needs*

The needs of the market can be summarized as follows:


- Specialization in the principles of product design and photorealistic imaging
- Specialization in the use of professional software for digital three-dimensional shoe design, photorealistic imaging and modeling of medium size printing.

### *Profile Of Participants*

The 1 EPAL Egaleo has for years been developing public relations with economic operators in the area, being informed about their problems and needs in order to create training programs that meet the needs of the market. In this context, the EPAL created the 16-day training program entitled "Design of footwear with modern digital media" for 24 students of "Informatics Application Technician" in the field of Informatics and Graphic Arts in the field of Applied Arts whose needs are harmonized with the corresponding domestic market. The implementation of the project will take place at Symako Mob, an organization with rich educational experience in transnational programs, where we have designed a remarkable training program and will help participants acquire knowledge that will help them in the future in enhancing their employability.

### *Objectives*

The aim of the program is to develop the technical, conceptual and aesthetic knowledge of the digital means of shoe design, modeling, photorealism and three-dimensional printing. The individual educational objectives (knowledge, skills and attitudes) are:



Identify basic concepts and software for shoe design, photorealistic imaging and 3D printing.

Use the Shoemaster 3D Shoe Design Software, Maxwell Photorealistic Software, and manufacture footwear models with three-dimensional printing. Illustrating shoe ideas and designs with photorealistic imaging (Maxwell software), use the Shoemaster 3D digital shoe design software, and in particular the Shoemaster Creative to create three-dimensional, realistic models of shoe, heel, combination of colors, materials and textures, ShoemasterPower for three-dimensional shoe design development, and Shoemaster Forma for three-dimensional modeling manufacture footwear models using three-dimensional printing. Follow an integrated design cycle of shoes from the idea in their presentation.

### *Activities*

Trainees will be taught in the use of footwear software; at the same time they will perform 20% of the theoretical module and laboratory courses (30%) and finally will practice a 50% training course in shoe manufacturing crafts in Cyprus. Within the educational process of the project, innovative training methods will be used - work-based teaching with wide use of supervisory tools, feedback techniques, simulation and interactive methods to better assimilate the lessons learned.

### *Expected Results*

In particular with the implementation of the project students are expected to:

- Develop new skills useful for their workplace,
- Develop initiatives and critical thinking,
- To cultivate a European identity and European consciousness,
- Make use of the opportunities that they offer for partnerships and contact with professionals.

The potential benefits for all participants are the creation of specialized shoe design executives with modern digital media that will staff Greek footwear in the long run and consequently strengthen its competitiveness.

**Κωδικός** 2019-1-EL01-KA102-062271

**Τίτλος Σχεδίου** **Επαγγελματική Εκπαίδευση και Κατάρτιση: Στοχευόμενη Πρακτική Άσκηση στους Τομείς της Εγκατάστασης Υγραερίου LPG και της Συντήρησης και Αποκατάστασης Έργων Τέχνης**

**Συντονιστής** 9<sup>ο</sup> ΕΠΑΛ ΠΑΤΡΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The application is submitted in the framework of Erasmus + 2019, KA102 - VET Trainee Mobility and Personnel, from the 9th EPAL of Patras, which is a Secondary Education School (EPAL), attended by 244 students and taught 45 teachers, while it supports the fields of Engineering, Electricians-Electronics & Automation and Applied Arts.

The Director and the Project Team members at the beginning of the school year 2018-2019, in collaboration with students, recognized and highlighted the potential and benefits of Erasmus + and, having considered the needs of the student and educational community, suggested to the Association Teachers and approved for the organization of a Mobility project entitled "Vocational Education and Training: Targeted practical training in the areas of "LPG LPG Installation" and "Maintenance and Rehabilitation of Old Objects".

The total duration of the project is 12 months, starting on 06/2019. It will be completed in 2 flows, with placement of each flow, 14 training days and 2 day of trip. Both flows will take place in Braga, Portugal. The first on 11/2019 and the second on 02/2020. Will participate 32 pupils, aged 18-55 years of 3rd grade (and 2nd grade if there are no suitable participants in the 3rd grade ), and in particular: 1st flow, 9 students in the field of Mechanics and 9 students in the Electricians-Electronics & Automation sector, + 2 accompany teachers. In the 2nd flow, 14 students in the field of Applied Arts + 2 accompany teachers.

The students of the Mechanical, Electrical and Electronics sectors will be able to get in touch with the installation and use of LPG applications, while students in the Applied Arts field, with the Maintenance and Restoration of old objects. They will be placed in corresponding companies with their specialties and will work from 08:30 to 12:30 and 14:00 to 18:00, Mon - Fri. Every Friday from 19:00 to 20:00 will attend specialized seminars. Weekend will have cultural events.

Individuals in the target group come from low socio-economic backgrounds, with limited skills, lack of foreign language knowledge, low self-esteem and self-confidence. There is no contact with "European development", they do not have a job identity, and most importantly they are not foreseen in their three years studies of practicing in real work places.

For these reasons, there is a clear need for participants to participate in this particular mobility project in Portugal, a country with similar technological and economic potential and climatic conditions with Greece, but with much more experience in the use of LPG applications (25 years earlier than Greece) and also the particular development in terms of Conservation and Rehabilitation.



*Project's objectives, combined with the results we expect are:*

- Access to specialized knowledge-training in LPG systems, and maintenance & repair of old objects
- Developing skills and competences in real-world workplaces and cutting-edge technology
- Contact with professionals, designers and maintainers of such systems, materials, methodologies, gaining valid knowledge and information
- Improving personal skills and competences and strengthening self-esteem, self-confidence, self-preservation, solidarity, understanding, accountability, consistency, reliability, critique
- Acquaintance with Portugal's culture and history
- strengthening their CV and obtaining the Europass Mobility certificate
- Use of a foreign language (daily use, terminology)
- developing a network of partnerships, contacts and acquaintances
- Improving the understanding of European Development so that they have opportunities to integrate / reintegrate into the labor market, improve their personal skills and know the enlarged European labor market and EU opportunities

The host organization in Portugal is APLICAPROPOSTA Lda, with the distinctive title Braga Mobility Open (BMO), a small and medium-sized enterprise with extensive experience in organizing and implementing integrated programs for placements and seminars under Erasmus+. The BMO operator due to its network of partnerships and of experienced staff, almost fully meets the needs of participants interested in internships and mobility within Erasmus+ and meets the needs and objectives of the proposed project.

Finally, there is a plan for the dissemination of results (workshops, WebPages, social media, printed materials, etc.) as well as the viability of the project and the possible long-term benefits (creation of worksheets, exercises, seminars, audiovisual material, for future pupils, other EPAs and any interested person).

**Κωδικός** 2019-1-EL01-KA102-062274

**Τίτλος Σχεδίου** Κατάρτιση στις Τεχνολογικές Εξελίξεις στην Οργάνωση και την Παροχή Πρωτοβάθμιας Φροντίδας Υγείας

**Συντονιστής** ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΛΥΚΕΙΟ ΤΥΡΝΑΒΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Primary Health Care (PHC) is the core of any organized health system. It provides the first stage of treatment and therapy, while it has a key role in prevention. In recent years, it has been constantly in the forefront as a way of improving health services and reducing health costs.

Health-related technological developments have restructured medical care while providing patients with a range of benefits such as prevention, early diagnosis, rapid recovery-treatment, shorter hospitalization and a quick return to everyday life. New technologies in the diagnostic and therapeutic agenda, the organization and management of medical information make the health system more efficient because it reduces the residence time spent in the hospital while at the same time it is less employed by the medical staff.

This project is submitted in order to satisfy the recorded training needs of the EPAL of Tyrnavos students attending the Health Division with the specialty of "Nursing Assistant" in order to reduce the skills mismatch observed among those taught in the public VET system and to the real needs of the labor market. The participants will acquire work experience in modern high quality healthcare services, which is the first choice of the European Union as, according to the Declaration of Alma - Ata, is a new direction in the provision of health services that take into account the challenges that are faced by health systems in combination with the rapid technological developments in the field.

The project foresees the implementation of two (2) flows to Vienna (Austria) and Lisbon (Portugal). Each flow will be attended by 14 students and 2 accompanying professors of EPAL of Tyrnavos and will last for two weeks. The participating students will be selected from the Health, specialty "Assistant Nurse". Most of them come from families with low social and economic backgrounds and families of economic migrants. Many of the students are forced to work on an occasional basis to enhance family living standards.

The program of activities includes a combination of theoretical training and practice by scientific staff and health professionals, with seminars, workshops and technical visits to Health Centers, Hospitals, organizations and PHC providers as well as exchange of experiences and good practices. The program is complemented by language training and cultural visits. Beneficiaries will also be involved in activities to prepare and disseminate project results.

### *Objectives and expected results of the project are:*

- Improving knowledge and acquiring professional skills in matters relating to the organization and provision of high-level PHC services
- Acquiring work experience in general hospitalization, day care centers, public health prevention, medication and applied technological applications and solutions in the PHC
- To practice the English language at the level of professional communication and to acquire basic knowledge of the German and Portuguese languages
- Personal development (capacities of intercultural cooperation and teamwork, responsibility, initiative and critical thinking)
- The synergy and interconnection of vocational training structures with enterprises and the labor market
- Improving the attractiveness and visibility of EPALs
- Contact with the culture and culture of other peoples of Europe and develop a sense of European identity.

The application of enhanced dissemination of project results should create a favorable climate for participation in European mobility and cooperation actions, the transfer of know-how and good practices, the development of transnational partnerships, the expansion of openness and extroversion at local and regional level.



**Κωδικός** 2019-1-EL01-KA102-062278

**Τίτλος Σχεδίου** Πολύπλευρη Επαγγελματική Εμπειρία στο Μιλάνο – Δημιουργικές Δραστηριότητες

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΛΥΚΕΙΟ ΠΕΡΑΜΑΤΟΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

### Learners

A two-week mobility is proposed to Italy - Milan with 15 students from three specializations and two accompanying teachers. The flow will include the disciplines of car mechanics, nurses and staff of financial and managerial services and practice in three companies in Milan. The action includes in this order: contact with the local partners and signing of the Cooperation Contract, inform the students of the school and make the pre-selection, select and prepare the accompanying teachers and get them familiar with the conditions of the implementation of the program. The final selection of students will be done using questionnaires and educational, linguistic and social criteria taking into account the low degraded area and the difficulties of students coming from families with low income.

In school preparation includes full sharing of information, language support and a daily pre departure seminar. This seminar will engage students and teachers, where detailed information will be available on the precise terms of practice, on hosting terms, on cultural differences between countries. This seminar is essential both for binding and the guidance as well as the proper preparation of the team that will be established abroad. The working experience will take place with the support and control of a tutor and trainers in three companies with previous experience with Erasmus+ students.

The value of the mobility lays on the quality of the training from the technical/technological point of view and will also help to broaden the vision and the perception of our students on their profession, the updated guidelines, safety in the working environment and their professional future. We are expecting the educational and psychological empowerment of the participants who, in total, could not have any other chance for abroad professional training. We are also expecting the accompanying teachers will get experience and incorporate the results of the program to the educational approach of the school.

Evaluations will be conducted in a mixed system comparing questionnaires' results on the capabilities before and after the mobility, the personal daily and final evaluations given by the tutors of the companies and the qualitative opinion of the accompanying teachers.

The dissemination of the action will take place in and out of school with the participation of the students, and mobility material upload to the website of the school and companies in the area.

### Staff

The project "Mobility of VET staff" entitled "Creativity in teaching and training" aims at training 8 educators of the 1st Vocational Highschool of Perama, Piraeus, who are highly qualified but lack experience in

modern teaching practices, so that they can adequately meet the demands of the new subject of “Creative Activities Zone”, for which neither the teaching material, nor the syllabus are provided. Throughout the mobility process, apart from theoretical training in modern teaching practices, the educators will take part in activities (storytelling, outdoor activities, ICT, art and musical activities.) implementing up-to-date learner-centered and collaborative teaching techniques, whose target is to develop and encourage the learners’ creative thinking and their integration into the learning process. Thus, the anticipated outcome of the project is enhancing learner’s creativity and motivation through modern teaching practices and increasing the educators’ effectiveness in organizing the subject of “Creative Activities Zone”. Therefore, training will result in upgrading the educators’ skills, so that they will be able to make the most of their students’ aptitudes and creative expression and on the other hand, it will help students develop creative thinking and a spirit of co-operation, which are all necessary prerequisites for today’s professional and social context. By improving the standards of the education offered, we expect that all learners will have equal opportunities to integrate into the teaching process and, in the long-run, an active participation in the local socio-political developments.



**Κωδικός** 2019-1-EL01-KA102-062282

**Τίτλος Σχεδίου** Καταρτίσεις Μαθητών 1ου Εργαστηριακού Κέντρου Έδεσσας σε Σύγχρονες Τεχνολογίες

**Συντονιστής** 1<sup>ο</sup> ΕΡΓΑΣΤΗΡΙΑΚΟ ΚΕΝΤΡΟ ΕΔΕΣΣΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The proposed mobilities aiming at students of the 1st Laboratory Center of Edessa, who will visit industries, big enterprises, work environment for job shadowing and attend structured training in innovative technological areas relative to their specialization at the subjects:

- Electric Car for the students of Mechanical Engineering and Electricity/Electronics
- Innovative Methods of Processing and Promotion of Agricultural Products for the students of Agriculture and Administration-Tourism
- Data Security in Big Companies for the students of Computer Science
- School Nursing for the students of Health Care

The visits and training will take place at the area of Barcelona, Spain, through the company MOVEU, which will be the host organization. It is one of the most developed regions of Europe in all subject areas of the mobility and provides unique opportunity for acquaintance with large socioeconomical structures and enterprises which do not exist in a provincial region such as Edessa. 50 students and 6 accompanying teachers in two flows will participate.

1st Laboratory Center of Edessa is an Initial Education Vocational High School. It has the exclusive responsibility of the laboratory courses of the 1st Vocational School of Edessa and it also provides laboratory support to the Public Vocational Training Institute of Edessa. The school is situated at the city of Edessa, prefecture of Pella. The area has been characterized as cross-border and problematic. It is one of the poorest in Greece with unemployment up to 45%.

A high percentage of its students have low academic performance and difficulties to participate in the educational process. Many of them face learning difficulties. A large number originates from lower socio-economic parts of the society, as immigrants and families below poverty thresholds.

Even though the Laboratory Center has significant social presence at the area of Edessa, the teachers have difficulties to improve and give prominence to it. Absence of systematic and targeted courses for many years combined with the geographical isolation, weak student's motivation and obsolete curricula result in lack of development on subjects important for student's personal and professional lives.

The mobility, combined with proposals in relevant fields under Erasmus+ KA2, apart from targeting to get acquainted students with the latest technological innovations in order to gain advantages in labor market and promote their entrepreneurship, aiming at forming teams of students and teachers in order to start participating in relevant activities and begin a cycle of school's improvement as well as its education and training quality. At the same time the school's extroversion toward local society, its European identity and administrative capability will be strengthened, the identity of students and teachers as European citizens will be enhanced and the motives towards learning European languages will be increased.



**Κωδικός** 2019-1-EL01-KA102-062289

**Τίτλος Σχεδίου** Καλές Πρακτικές Εκπαίδευσης και Ανάπτυξης Δεξιοτήτων σε Τουριστικές Επιχειρήσεις στην Κύπρο

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΣΥΚΕΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Having identified the basic needs of EPAL Sykeon, which is the lack of practical training of our students, the lack of satisfactory training of our staff, the lack and old analytical programs and the educational lock-up of our school. In the narrow contexts of our school unit, we decided to submit this proposal, echoing our vision, to deliver to society excellent human beings and professionals.

The project consists of four people from the educational staff, 12 students from the Department of Economics and 12 students from the Department of tourist units management. The project fulfils our needs in order to enable our students to practice in the same environment that will be employed after their graduation, but also to develop other skills beyond the professional scope, such as cooperation, teamwork, the sense of belonging in a large European family, to meet new societies and young people of this family.

The members of the school staff will gain similar benefits in respect to their specialization by learning new teaching systems, new teaching related technologies, other analytical programmes and other general issues surrounding education in order to achieve personal improvement and improvement in the roles they have in the school, such as providers of counseling and entrepreneurship. The school's ability to cooperate with other European educational and professional bodies will also be broadly widened.

The project will take place in Limassol, Cyprus, which is an ideal destination for the two specialties, since Limassol is characterized by the exceptional level of tourist and financial services offered while the partners we have chosen, apart from the multi annual experience in the management of various European programs have the know-how and specializations that the program requires. Their daily schedules have been designed in finest detail and include the goals we have set out. Every action has a specific goal.

On the basis of a good preparation, the right agreements, the systematic control and evaluation of the plan and its results, we are confident that the planned and correctly designed dissemination of the project outcomes and learnings will yield the desirable results for the school, its staff, its students, as well as the local and European community.

**Κωδικός** 2019-1-EL01-KA102-062290

**Τίτλος Σχεδίου** Ανάπτυξη Επαγγελματικών Δεξιοτήτων και Ανταλλαγή Εμπειριών στο Ευρωπαϊκό Εργασιακό Περιβάλλον

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΛΥΚΕΙΟ ΛΕΧΑΙΝΩΝ

**Διάρκεια Σχεδίου** 14 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The formation of the European Union has led to significant rearrangements in the labor market and has formed new conditions for employment. It has contributed to the approximation of European states and has signaled the onset of major financial, political and cultural changes in Europe. In this newly-shaping European labor market Greeks must prove they possess the same professional skills as other European citizens. It is Greece's obligation to supply the labor market with high-quality workforce and do its part to regroup European economy. Towards this end, education is called upon to play an important role in capitalizing on the opportunities offered by the EU through mobility programmes.


The main goal of a mobility programme is the maximum utilization of the opportunities offered to programme participants in increasing their professional chances and prospects.

### *The objectives are:*

- The ability to access new knowledge which will expand participants' intellectual horizons and the cultivation of skills through practice, skills necessary for ensuring favorable professional prospects
- The increase of the learning ability level and the upgrade of future employees' qualifications
- The promotion of life-long learning and training and the improvement of educational quality and effectiveness in an appealing learning environment
- The reinforcement of creativity, entrepreneurship and innovation in all educational and training levels
- The promotion of equality and the defending of social tolerance by providing equal opportunity to all and uprooting discrimination
- The acquaintance and familiarization with different cultural milieu, the cultivation of respect to diversity and the fight against racism and xenophobia
- The cultivation of a spirit of extroversion and cooperation, the exchange of good practices and know-how.

The mobility programme participants are students of the 1st Technical Vocational School in Leheia and more specifically of the following sectors-specializations:

- Mechanical Engineering – Refrigeration, Ventilation and Air-conditioning technicians
- Computer Science – Informatics Applications technicians
- Business Administration and Finances – Business Administration and Financial Services clerks
- Traveling to the host countries is being programmed from March 2010 to May 2010.



The results of the realization of the mobility programme not only concern participants and their immediate social circle but also society in a broader sense. Dissemination of results will be realized in various ways, such as, press releases, school website and social media posts, poster creation, organizing a one-day seminar and the sending of a CD to the State Scholarships Foundation (I.K.Y.). Through the realization of this mobility programme there will be multiple benefits for all parties:

**for trainees:**

- Expansion of knowledge and skills
- Upgrading of professional qualifications
- Familiarization with different countries and foreign languages
- Cultivation of intercultural sensitivity
- Adaptability to diverse environments
- Self-knowledge approach
- Development of critical thinking, self-confidence and collegiality
- Acquisition of European identity

**for institutions:**

- Enrichment of their planning and realizing mobility programmes experience and upgrading of their quality
- Development of programmes corresponding to the differing participant needs
- The joint dealing with European challenges for education, training and employment
- Cultivation of a spirit of extroversion

The direct results after the realization of the mobility programme will be:

- The realization of the value of life-long learning
- The recognition and upgrading of the role of practice during vocational education
- The exchange of good practices and know-how
- The spread of European mentality in the labour market
- The cultivation of a European citizen identity and awareness of European cultural diversity

The long-term benefits of the realization of the mobility programme will be:

- The connection between school and labor market
- The reinforcement of entrepreneurship through novel ideas, awareness of the European market culture and novel ways of employment
- The shift of mentality towards vocational education and training
- The turn of the economy towards more productive sectors and sustainable economic growth
- The establishment of a national qualifications framework, so as job applicants compete under equal conditions
- The convergence of European educational policies
- The fight against inequality, the uprooting of racism and xenophobia, the ban of exclusion
- The creation of stable interstate cooperation and common dealing with problems

**Κωδικός** 2019-1-EL01-KA102-062291

**Τίτλος Σχεδίου** Πρόσκτηση Ειδικών Επαγγελματικών Δεξιοτήτων για Διασώστες και Βρεφονηπιοκόμους

**Συντονιστής** ΔΗΜΟΣΙΟ ΙΝΣΤΙΤΟΥΤΟ ΕΠΑΓΓΕΛΜΑΤΙΚΗΣ ΚΑΤΑΡΤΙΣΗΣ ΑΡΓΟΥΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The health care sector is one of the fastest developing industries world-wide alongside information technology. Its association with the rapid growth in population, aging in particular in developed countries, life expectancy increase, as well as socio-economic changes throughout the world is one of the main reasons leading to its increase in demand for relevant services and especially for trained professionals. Professionals are characterized by organizational, responsibility, mental vigor, empathy, social skills, love for fellow human beings, working under pressure and capability for using IT.

By deciding to participate in the program, our organization's main goal is the development of the above skills for the participants in the fields of "Rescuer - Ambulance Crew" and "Nursery school Assistant" selected after written evaluation process and oral interview in which their motives and goals were explored.

The general objectives of the program with respect to the apprentice participants are:

- empowering learners through skills development with a view to increasing participation in the labor market and becoming a better match between supply and demand
- improving foreign language skills
- strengthening intercultural awareness
- broader information on the European project and EU values

### *The more specific objectives are:*

#### **A. For the Rescuer - Ambulance Crew to:**

- Familiarize themselves with handling the necessary equipment (electronic call management) and using the methods of communication (wired and wireless) to receive and to manage the call for emergency help
- Provide protocol-based first-aid telephone help
- Collaborate in harmony with their colleagues and to develop communication skills
- Use specialized equipment to control vital signs and address life-threatening situations

#### **B. For the Nursery School Assistant to:**

- Be able to help the specialist to implement appropriate pedagogical intervention in cases of disability diagnosis, learning difficulties or other difficulties in the adaption of infants and toddlers under supervision
- Familiarize themselves with the treatment of children with peculiarities
- Apply accident prevention measures to the children's home
- Provide first aid and act appropriately in emergency situations
- Creatively care for infants and toddlers and to encourage their participation in various activities

Working with the host body will help to achieve the already mentioned objectives within the program of activities.

**Κωδικός** 2019-1-EL01-KA102-062296

**Τίτλος Σχεδίου** E-Government: Όχημα Εκσυγχρονισμού για την Εξυπηρέτηση του Πολίτη και την Ανάπτυξη της Οικονομίας

**Συντονιστής** 1<sup>ο</sup> ΕΡΓΑΣΤΗΡΙΑΚΟ ΚΕΝΤΡΟ ΒΕΡΟΙΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

This Mobility Project entitled “E-Government: vehicle for modernization for the service of the citizen and the development of the economy” and concerns the training of students in the field of IT of the Laboratory Center of Veroia.


In recent years, Greece is in the throes of a severe period of economic and social crisis and all public and private businesses are called upon to become helpers in the recovery effort. The implementation of e-government, digital signatures and the paperless office can be a key area of development and development for all public services as it is a powerful means of encouraging direct communication between managers, employees and decision-makers policy. In these areas, trainees will be trained to develop their skills, upgrade their professional profile and create their future professional identity.

In particular, through theoretical and practical courses, workshops, study visits and internships, the objectives and the expected learning outcomes, which are directly related to the needs of the job market and are covered by the specific project, focus on the following:

1. Developing accessible e-Government applications (mobile, web platforms, Big Data databases, portal portals) to improve public sector services
2. Creating a secure digital user interface environment (Encryption Algorithms, Symmetric Cryptography, Asymmetric Cryptography)
3. Creating a secure interactive user interface environment (SQL security, SQL injection, Viral software)
4. Develop strategies for implementing e-Government at all levels of local government
5. Development of strategic dissemination of digital information
6. Understanding security and privacy protection protocols (Security Models, Access Control Policies, Security Policies, Risk Analysis)

All of these objectives are specifically related to the IT field, but there are complementary objectives that will contribute to a better understanding of eGovernment by IT. Specifically:

- The importance of IT in e-Government
- Forms and models of maturity (levels) of e-Government
- Benefits, goals, legislation and the future of e-Government
- The implementation of the electronic signature and the paperless office
- Improving language skills and personal development



Beneficiaries of the project will be 16 pupils and 2 escort teachers, who will travel for 14 days to Barcelona, after consultation with the shipping agency (Laboratory Center of Veroia) and the MOVEU host. The expected length of stay abroad is sufficient to meet the training needs of the participants in order to acquire specialized knowledge on e-government issues, digital signatures and paperless or paper-free office, and how these European standards will be harmonized with the current developments of both the local community of Imathia and the wider region of Greece. Barcelona has been chosen strategically as it is a smart city and is one of the first pan-European cities to introduce e-government, digital signature and paperless office in its public and not just its services. It is also a city that has developed a modern large data network Big data combined with IOT smart grids.

After the completion of the main mobility activities, the expected impact on the participants will be to acquire knowledge and skills for the specific subject of training, to strengthen the formalities (Europass Curriculum Vitae, Europass Mobility Certificate, Mobility Certificate), but also their essential skills (empirical and experiential training), the strengthening of their self-esteem, their active participation in social development, the development of critical thinking, their personal development, the enhancement of the status of the European citizen and the development of their language skills.

We think that the proposed mobility action is considered to be of great benefit not only to the participants but also to other target groups that through the dissemination, the e-Twinning platform and the Erasmus+ project results will be made aware of this mobility plan. This will make full use of the learning outcomes of the mobility project, contributing to both local and regional development, and will be an excellent guide to good practice, prompting more actors and organizations to participate in European activities.



**Κωδικός** 2019-1-EL01-KA102-062298

**Τίτλος Σχεδίου** Από την Υπολογιστική Σκέψη στην Υπολογιστική Δημιουργία: Στρατηγικές Διδασκαλίας και Μάθησης για την Ενθάρρυνση των Μαθητών στην Ανάπτυξη Ψηφιακών και Υπολογιστικών Δεξιοτήτων

**Συντονιστής** ΕΡΓΑΣΤΗΡΙΑΚΟ ΚΕΝΤΡΟ ΕΥΚΛΕΙΔΗ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The proposed project aims to train 10 educators and 14 students from Euclid Laboratory Center of Thessaloniki in computational thinking and making. The implementation of the proposed project has two main objectives:

1. to bring the teachers of our school into contact with the research area of computational thinking and practice and give them the necessary skills to envision new directions in their teaching and to apply the capabilities of computational thinking by creating an appropriate environment for effective learning.
2. to give students the opportunity to broaden their perspectives and perceptions and to approach interdisciplinary creation with a computer.

The proposed project will provide important knowledge and skills to the participants and in combination with their multiplier effect will help integrate computational thinking and making into the educational process.

Project activities consist of the active monitoring and participation in seminars and workshops with the following topics:

- Introduction to computational thinking
- Develop smartphone apps with full access to free tools
- Explore new digital tools to promote creativity, social interaction, problem solving, exploratory learning and the construction of tangible products that lead to a variety of learning and implementation
- Promoting application design through a multidimensional perspective and a practical framework that will promote computational thinking, creativity and participatory
- Understanding the cultural and social character of human behavior through computational participation with the aim of collaborative problem solving
- Acquaintance with the interdisciplinary field and the culture of “construction” as a means of stimulating creativity, empathy, design processes and strengthening confidence in the potential of developing digital applications
- Adopting the “Do it Yourself” culture in terms of digital creation from the stage of understanding the problem to the solution
- Approaching code creation not just as a coding technique but as an endogenous skill that helps solve real problems through application development and participation in computing communities.

Long term benefits of the project include:

1. Addressing new challenges in vocational training
2. The adoption of good practices for the successful integration of computational practice into the educational process
3. Stimulating students and teachers to engage in multi-faceted and participatory learning through creation
4. To enhance creativity and acquire a socio-technical identity.



**Κωδικός** 2019-1-EL01-KA102-062302

**Τίτλος Σχεδίου** Πρόγραμμα Κατάρτισης για την Ενθάρρυνση των Μαθητών στη Νεανική και Κοινωνική Επιχειρηματικότητα

**Συντονιστής** ΕΣΠΕΡΙΝΟ ΕΠΑΛ ΑΛΙΑΡΤΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Our project will give the ability to 14 students from the Vocational School of Aliartos to attend a training course which includes seminars on youth entrepreneurship and social entrepreneurship, educational visits to local companies and organizations, terminology lessons and cultural visits. The training will take place in the school year 2019-2020, at the educational Center of INFOL in Rome and at cooperating Italian companies.

This training course is designed to introduce students to the fundamental concepts of entrepreneurship, including the definition of Social entrepreneurship, the profile of the entrepreneur, the difference between entrepreneurship and entrepreneurial management, and the role of venture creation in society.

The participants will explore where technology entrepreneurship and impact entrepreneurship align and where they diverge, and they will learn proven techniques for identifying the opportunity, assessing the opportunity, hypothesis testing and creating a prototype.

### *Themes of the training program:*

- Starting Your Own Business
- Innovative Types Of Entrepreneurship
- Social Entrepreneurship, Innovation & Politics
- Green entrepreneurship
- Success & Ideology
- Introduction in Web & App Development
- Define key business opportunities, challenges, and potential solutions in the youth entrepreneurship and in the social entrepreneurship
- Analyze a successful business in social innovation or green entrepreneurship
- Plan for engaging with investors who might finance a new business
- E-commerce and digital marketing
- Introduction in Digital Marketing
- Essential Skills Every Digital Marketer Should Know
- Soft Skills & Personal Development Methods
- Human Resources & Management etc.



After completing this course, students will know:

- What is entrepreneurship and who fits the profile of an entrepreneur
- How does a good idea become a viable business opportunity
- The main parameters about e-Commerce and the essential Skills for Digital Marketing

By the end of this course, they will be ready to test, validate and express their idea in an original way, and also determine whether or not they fit the profile of an entrepreneur! They will also be ready to move on to the next phase of entrepreneurship and social entrepreneurship. The training also is designed help them improve their interactions with other people in their workplace or at home.

It will give participants the opportunity to improve the critical communication skills of listening, asking questions and being aware of non-verbal messages. Participants will learn more about the elements of communication with others that can help them reveal appropriate information about themselves, and better manage their professional image.

Through our program, students will gain experience from a work environment of another country, cover basic educational needs, enrich their CV, all the while gaining insight into the civilization of the hosting country.

The host organization INFOL (Informazione Formazione Orientamento Lavoro) consists of experienced professionals in the management and coordination of European projects. Drawing on a network of professionals and experts in every sector, Infol proposes training courses, together with programs for updating and specialized skills, both short and long-term, in order to supply the competence and knowledge needed for any position, company activities or professional environment.

**Κωδικός** 2019-1-EL01-KA102-062305

**Τίτλος Σχεδίου** VET Staff and Students Development

**Συντονιστής** 1<sup>ο</sup> ΕΚ ΠΑΤΡΑΣ

**Διάρκεια Σχεδίου** 18 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

This project is a mixture of staff and students mobilities. The 1st Patras Laboratory Center intends to expand its European activities while including gradually more staff members and students who attended its classes with specific duties in planning and implementation of the projects.

### **Our plans for the students and staff are the following:**

Six teachers from the departments of Agriculture, Ict, Electrical Engineering, Electronics, Mechanical Engineering and Economy will attend a training event which will be offered by Staff of University of Seville in collaboration with Andalucia Emprende, a Local Public Organization in Seville for the entrepreneurship on the topic "Blockchain and Internet of Things technology application on production and commerce of agricultural products". University of Seville is very experienced and has developed the digital platform [www.olivacoin.com](http://www.olivacoin.com) where both technologies have been applied to oliveoil production. The mobility will take place in February 2020.

1st Patras Laboratory Center as it organizes apprenticeships for car mechanics, administration assistants, horticulture technicians, software technicians and implements ERASMUS+ project for its staff on DUAL VET system, intends to plan long term mobilities appreciating their contribution to the personal and professional development of its students and staff.


As it is the first time we plan longterm mobilities we decided to organize them in Cyprus to facilitate the linguistic and cultural adaptation of the participants.

We planned 8 long term (three months) mobilities for the following sectors:

- Car mechanics Technician 2
- Electrical Installations Technician 2
- Nurse assistants 2
- Software Technicians 2

ShipCon Research and Educational Organization, acting as Intermediary Organization in Cyprus will have an important role for the monitoring of the participants in Cyprus. The placements will take place in dynamic companies as we intent the participants will acquire high level competences.

10 "Car Mechanics Technician" students will take part in 4 weeks short term mobility in Bilbao , Spain. Intermediary partner for this flow will be the organization Educational and Mobility. The Basque Country is very well developed in car industry sector. The students will enjoy both technical visits to very big car industrial units such as Mercedes Benz and Volvo Irizar and high quality placements.



The eligible students for both mobilities (short term and long term) will be the ones who finish the the 3rd or the optional 4th year class (apprenticeship) in June 2019. Both mobilities will take place between September 2019 and July 2020. In case it will not be possible they will be implemented between September 2020 and December 2020 with the recent graduates of summer 2020 respectively. For the long term mobilities will be eligible only the students who finish the 3rd year class or the apprenticeship and they don't continue to the apprenticeship or the tertiary education respectively.

***The objectives of the projects for the students are:***

- to enhance the students' self esteem as they will be active in the EU labour market
- they will broaden their prospect for integration in the EU labour market
- to contact educational and professional institutions in EU
- to understand the way they can build their professional profile acquiring qualifications by informal education accredited through ECVET system

***The objectives for the teachers are:***

- to enhance their ability to plan and organize projects
- to enhance to organize short and long term placements
- to broaden their knowledge about IoT and Blockchain technologies
- to enhance their ability to apply the ECVET system for the accreditation of the qualifications

***Expected results and benefits***

We are expecting the successful implementation of planned activities with positive effect to the participants and the organizations. The 1st Patras Lab Center is developing its international profile establishing an active network of collaborating organizations around Europe. It takes advantage of their experience and "know how" in specific VET sectors. In collaboration with them, we plan activities that will improve the educational and professional profile of our students and staff through ERASMUS+ actions for mobilities of individuals and strategic partnerships.



**Κωδικός** 2019-1-EL01-KA102-062306

**Τίτλος Σχεδίου** Κατάρτιση Εργοθεραπευτών και Φυσικοθεραπευτών στην Αποκατάσταση Ατόμων με Κινητικά Προβλήματα-Επιχειρηματικότητα και Εμπόριο στην Ν.Α. Ευρώπη: Από την Παραγωγή Οίνου και Άρτου στην Ανάδειξη Παραδοσιακών Προϊόντων με Ονομασία Προέλευσης

**Συντονιστής** ΔΙΕΚ ΜΕΤΑΜΟΡΦΩΣΗΣ

**Διάρκεια Σχεδίου** 13 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The plan of DIEK METAMORFOSIS, which has the title "Training of Occupational Therapists and Physiotherapists in the rehabilitation of Disabled People-Entrepreneurship and Commerce in Southeastern Europe-From Production of wine and bread food to display of traditional products with a POP origin", lasts for thirteen months. A lot of educators of DIEK METAMORFOSIS have cooperated for the drafting of this proposal.

We were led to this proposal because of the everlasting needs for education in every level, in the level of trainees/students, trainers/teachers and management but mostly the imperative need for the cultivation of a European dimension of the institution. For the drafting of this proposal, DIEK METAMORFOSIS decided to cooperate with three institutions:

- 1) The institution OPEI "Organization for Promotion of European issues" in Cyprus
- 2) The "Athena Study and Training srl" company from Romania

The first flow is in Cyprus and is addressed to the students of the institutions from the viticulture, winery, bakery and food and beverage technology departments and includes training in professional companies in the area of Paphos in Cyprus.

The second flow is in Romania, which is addressed to the students of Occupational Therapy and Physiotherapy, includes training in important centers of rehabilitation. The third flow is also in Romania and is addressed to the students of the Administration department and includes training in professional companies in Romania.

All the three flows aim at the interdisciplinary, the innovation and the opening up of our country to Europe. During these flows, knowledge, skills, abilities, attitudes are developed to the participants for each scheduled activity over innovative programs and methods of developing training programs on tutors and teaching issues of Special Education.

Moreover, there is a systematic planning on how we can deal with not only the practical and accounting matters but also the management of the plan before and during the completion of mobility. We have taken into consideration the systematic preparation of the participants which is divided into four stages: **A** the first four months: preparation, **B** the next five months: students' mobility and **C** the last four months: diffusion. For the success of the plan we will keep on communicating with our partners during all the stages even the stage of diffusion. Furthermore, there will be a systematic control of our commitments to the deal. As a result, with this structure, we consider that the effects will be vital for

both students (over 4000 students) and teachers (over 500 teachers). As far as the management is concerned, the benefits of this plan will be great not only for DIEK METAMORFOSIS but also for DIEK of Special Education AG. PARASKEVIS since the management is united. We have taken into consideration the impact of this plan which should not be limited within local and national limits but to a parallel and European impact. Last but not least, the transmission of the results will be systematic and multileveled.

The stage of evaluation is very essential for the success of the plan that's why this stage will be systematically designed before, during the mobility and during the stage of diffusion. Techniques of comparative assessments of the results have been provided, as well as the ways and the techniques which the participants will be taught in order that the improvement of teaching conditions and the results will be confirmed, (improvement of educational level, improvement of participation etc).



**Κωδικός** 2019-1-EL01-KA102-062309

**Τίτλος Σχεδίου** Ευρωπαϊκή Τεχνογνωσία για την Ανάπτυξη Δεξιοτήτων και τη Βελτίωση της Ποιότητας Εργασίας Μαθητών Νοσηλευτικής του ΔΙΕΚ Σερρών

**Συντονιστής** ΔΙΕΚ ΝΟΣΗΛΕΥΤΙΚΗΣ ΓΕΝΙΚΟΥ ΝΟΣΟΚΟΜΕΙΟΥ Ν. ΣΕΡΡΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The education provided to the DIEK of Serres is an educational institution with a specific social role, the provision of educational knowledge and skills and the equal provision of educational opportunities as an educational oasis for a large number of students. We believe that one of the areas of particular value is student mobility and the exploitation of the opportunities offered to young people today in the European Union for professional careers or the modernization of their qualifications and skills.


Something that is a necessary for our students by providing opportunities for education in innovative European environments, are both through the internationalization of our institute in the national and European stages. Erasmus + mobility programs are part of our organization's short and long-term strategy, as through the development of the European dimension and the creation of a European network, both the modernization needs of the organization and the development of the human capital potential of the entire educational community are met.

Following these, aiming to empower students to acquire skills and competencies that will serve them to ensure a decent quality of life through innovative effective alternative forms of education in the context of informal and formal learning, the main objective was to provide support to students in the "ASSISTANCE OF NURSING GENERAL HOSPITALITY".

The present project sets out as a primary objective, based on all the above, the provision of specialized knowledge of the Institute's trainees through education, training and multicultural interaction (25) of students and graduates in the specialty of the Assistant Nurse.

After consulting and researching the challenges of society, our institute aims to provide trainees with professional training in modern European working environments to:

- to develop a culture of culture that will influence the people to be trained, to shape behaviors and attitudes and thus their subsequent professional performance
- provide them with the appropriate qualifications by providing scientific, technical, professional and practical knowledge in the field of nursing assistant
- to develop knowledge, skills and competencies as nursing assistants
- change obsolete perceptions of entrepreneurship by experiencing good educational practices and policies of the European Union
- increase learners in English
- to facilitate their integration into the marketplace and their adaptation to the changing needs of the production process



After the end of the program, participants will be provided with innovating expertise to enhance and upgrade their professional qualifications, with the direct effect of enhancing their adaptability to the modern competitive environment, empowering and improving their career prospects, ability to convert a future business into a competitive business, with economic benefits not only for employees but also for the National Economy.

Additionally, obtaining the Europass certificate will be a tangible advantage to the trainee's professional career as it can demonstrate the skills and motivation to develop.

The DIEK as a cooperative and link of people from learning to the professional arena intends to use this program to identify business innovations, European practices and transfer them to our city. In collaboration with local authorities, joint actions are planned to disseminate innovation and European practices and knowledge about production processes.

Of course, it is clear that the project will be beneficial to our institute since it will be able to build communication bridges with other organizations in Portugal, aiming at the continuous improvement of skills and knowledge, acquiring the know-how it needs to further engage in European programs.

The dissemination of the project results will take place in a variety of ways and methods, based on the direct involvement of the participants more actively in all processes and thus giving personal and professional motivation for the success of the project.

**Κωδικός** 2019-1-EL01-KA102-062310

**Τίτλος Σχεδίου** Βελτίωση και Ανάπτυξη Επαγγελματικών Δεξιοτήτων σε ένα Πολυδιάστατο Ευρωπαϊκό Περιβάλλον

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΑΜΑΛΙΑΔΑΣ

**Διάρκεια Σχεδίου** 15 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ


The globalised competitiveness combined with the unprecedented development of computer technologies and communications systems has resulted to the changing of the conditions of competitiveness of an economy that is constantly evolving.

As a result, the organization, the operation and the viability of enterprises is based mainly on the exploitation of knowledge and innovation. This means that the traditional qualifications and skills of employees should be adjusted to the new data of a demanding labor market. For this reason the need for constant training and the development of behaviors of lifelong learning practices is now profound. As a consequence, the main target is the planning and the implementation of fully formed educational activities that will assist new employees to adjust more quickly and more effectively to the development of the workplace. This will be achieved through the connection of education to the productive process and the labor market.

The key aim of the specific project is the support of the participant students to educational and training activities in a continuously and use of knowledge, competence, skills and qualifications that will reinforce their personal development, the employability and their full integration in the Greek and the European labor market.

Moreover, the students will have the opportunity to practice the use of foreign languages and to realize the importance of foreign languages in the united European framework. The students will be encouraged to learn foreign languages and to develop methods that will enhance their self – confidence through the interaction of their native language with the foreign language. Their competence in many European Union languages will enable them to take advantage of all the job opportunities that will be offered by the unified market in professional and personal level. They will also have the opportunity to closely experience a different culture and a civilization from their own. This will give them the opportunity to deal phenomena of racism or xenophobia in every- day life more effectively. This will enhance their self- esteem and the sense of responsibility they need to have in order to operate with team spirit within the European Union framework.

The teachers and the students that will participate in the project will have the opportunity to experience new educational practices as well as teaching methods in vocational education and training. The study of the Spain and Portugal educational systems (especially the vocational education and its relationship to the labor market) will help the teachers incorporate new teaching techniques, improving both their individual teaching methods and the Greek educational system.



The participants are students of the 1st EPAL of Amaliada, attending the Hairdresser faculty and Car Mechanics sectors. There will be 14 Car Mechanics students, 14 Hairdresser students and 4 teachers.

Taking into consideration that the school is an inseparable part of the local and the wider community, the announcement of the project to the general public is a very important element in such activities. The diffusion of the conclusions and the results that will come up from the visit, will be announced to the public through the school web site and FB, through an exhibition with photographic material on the school notice board as well as in a meeting that will take place out the Assembly Hall of our school, where teachers of other schools, members of Parents Associations and the local authorities will be invited. The benefits for the school unit, the teachers and the students are multiple and they will reinforce the quality of education.

The European Cooperation and the innovative teaching and learning approach after a different perspective to the school unit and they become a lever for both the improvement of the quality of education and the reinforcement of the European dimension in education.



**Κωδικός** 2019-1-EL01-KA102-062311

**Τίτλος Σχεδίου** **Safer Food Better Business-Food Safety Management Systems**

**Συντονιστής** 2<sup>ο</sup> ΕΠΑΛ ΣΤΑΥΡΟΥΠΟΛΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ


The program with Title "Safer Food Better Business-Food Safety Management Systems" is a KA1-Eras-mus+/short term mobility for Vet Learners program that refers to the movement of 16 students and 2 accompanying teachers from "Agriculture, Food and Environment" sector of the 2nd EPAL Stavroupolis in Barcelona of Spain for 15 days, in March-April of 2020.

The chosen ones are the students who are highly interested in their studying field. Besides is what they have chosen to study and to pursuit in life. On the 1st week the students will attend seminars and a training in a practical training centre in Barcelona with topics related to HACPP (Hazard analysis and critical control point) system. On the 2nd week the Experts will develop their technical visits and get to know best practices in several Spanish Companies and Institutions located in Spain mainly in the Cata-lonia Region. At the same time there will be many cultural activities.

Additionally, the plan aims the dissemination of knowledge through face to face as well as by distance seminars, which will enhance the programme. The matter is considered to be topical and of major im-portance. Spain has been chosen to be the host country, because it is a modern European country, that respects the consumer's health, having a unique tradition on food hygiene and safety.

The project also seeks to achieve the following objectives through the implementation of mobility:

- Experience in the field of professional education in another European country
- Get to know the education system and working system of the host country
- Enlargement of the social and linguistic competence
- Learn the categories of risks that make food inappropriate
- Understand deeper fundamental concepts on food safety, hygiene and quality
- Learn the appropriate methods of managing and maintaining food
- To acquire the basic knowledge on the HACCP system, the implementation and the importance of its implementation
- To gain basic knowledge on basic food hygiene legislation
- Identify an inappropriate food and its proper ways of managing it
- Take all necessary measures for the proper management and maintenance of food
- Encouraging trainees to work with a sense of responsibility for providing safe food to the consumer
- Application by trainees of good hygiene practices on the one hand to their workplaces and on their own homes
- Incorporate new knowledge, develop professionalism and increase employment opportunities in the domestic and European labor market

- 
- Cooperate with entrepreneurs and business executives in Spain and exchange views, gain valuable experience and gain European citizenship
  - Acquire professional mentality through interaction and individual and teamwork in workplaces
  - Develop behavioral abilities such as this ability to communicate and collaborate, adapting to new environments, entrepreneurship
  - Be informed about the European project and contribute to the creation of a single European puzzle
  - Cultural enrichment learning about culture, customs and customs, the history of Spain

Consequently, the implementation of the project will have multiple effects and benefits on the sending and hosting operators as well as on the participants that will contribute to strengthening their qualifications and make them more capable professionals in the space of domestic and international work.

*The benefits are:*

- At the level of cognitive abilities and skills: Enhancement and improvement of knowledge and skills in the field of food safety, hygiene and quality is expected.
- At the level of cognitive, social and linguistic skills: The personality of students will be complex and will stimulate their self-esteem, their critical capacity will be developed through initiatives, management of unproven situations, etc. The social capacities of the participants will be broadened through cooperation and contact with people abroad, with the development of their socialization, acceptance of the different. The language skills of the participants will be greatly improved by studying the English terminology of their field of study, their forced communication in English for fifteen days.
- At stationary level: Their attitudes to the European Union's venture will be strengthened, they will be encouraged to participate in other mobility programs, and there will be a change in attitudes towards finding work in other countries as well. We will positively strengthen their attitude towards collaborations with businessmen and executives from abroad.
- In terms of cultural skills: Enhanced cultural standards will be achieved by participating in cultural activities, visits to museums and sightseeing in Spain.

Finally, the realization of the project will bring multiplier effects and benefits to the mission and host bodies by enhancing their internationalization, cooperative ties, acquiring knowledge for the development and management of programs, etc.

**Κωδικός** 2019-1-EL01-KA102-062312

**Τίτλος Σχεδίου** Πρακτική Άσκηση και Μεταφορά Τεχνογνωσίας από την Ευρώπη της Παράδοσης των Αξιών και της Τεχνολογίας

**Συντονιστής** 2<sup>ο</sup> ΕΠΑΛ ΑΜΑΛΙΑΔΑΣ

**Διάρκεια Σχεδίου** 14 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ


The aim of the present project is to cope with the greatest problem in Vocational Education, which is the complete lack of internship or apprenticeship of the students of Vocational Senior High Schools. To be more precise, the plan aims at giving the chance for an internship to 3 groups, consisting of 30 students and 6 teachers in France, Spain and Ireland. The groups come from the Economic, Geotechnical and Health and Welfare Management sectors of the 2nd EPAL (Vocational Senior High School) of Amaliada.

The region of northern Ilia -where our school is situated- and the region of the hosts, where the placements will take place, are quite alike as far as the agricultural production, the cultural heritage, the tourism development and multiculturalism are concerned. There is one important difference; in the host countries, these wealth-producing resources are systematically and properly exploited, while in the corresponding area of Greece the exploitation of these resources is at a primary or non-existent stage. As a result, many jobs are lost, young people are faced with social and working exclusion and turn to immigration.

Living for 2 weeks in multicultural European surroundings and practicing in real conditions will give our students the knowledge and skills to help a company (that they own or work for) utilize the strengths of their region by producing high quality agricultural products and by providing high standard services. There are exquisite agricultural products in our area and a huge cultural heritage, centered around Ancient Ilida (organizing town of the ancient Olympic Games) and the archeological sites of Ancient Olympia and the Temple of Apollo Epicurius. There are tourism development prospects due to the natural beauty of the area, the very good climatic conditions and the extensive coastline with numerous beaches as well as the thermal springs in Kyllini and Kaiafa.

Our students, coming from specialties of the Management Economics sector (with direct link to Marketing and Tourism), the Geotechnical sector (relating to agricultural production), and the Health and Welfare Management sector (providing care services), already have enough theoretical knowledge in their fields, but because their curriculum does not provide an internship, they have very clear shortcomings in the implementation of the knowledge they acquire. Through this project they will manage to acquire and transfer knowledge on how to make the most of a strong "brand name" and how to create a "myth" based on the excellent product quality and good procedures of standardization, marketing and promotion.

Apart from meeting the educational needs of the participants, the suggested mobility plan includes an abundance of aims, such as boosting the students' self-confidence (many of them will be placed for the first time in a new environment and will have to rely more on themselves), encouraging responsibility (they will have to fulfill specific obligations and take initiative) and improving their intercultural abilities through their contact with people from another European country, with special multicultural characteristics.



It also includes watching seminars about the historical, political, cultural, social and economic background of the host country. Such abilities and qualifications are necessary in the contemporary, globalized world. The teachers and students who will participate in the programme will also have the chance to experience new educational practices and current teaching methodologies of vocational education and training.

The mobility activities will take place from 12/2019 until 07/2020 in Lyon France, Valencia Spain and Derry Ireland. In the last 7 years, we have built a network of exchanges and visits with the public official organization that handles the mobility programmes in France, as well as the organizations that will undertake as host partners the realization of the internships of the rest of the programme. These organizations have a very important experience in internship issues and realization of European and global programmes.

Our school, always investing on sustainability and extroversion, has the knowledge and the way to diffuse the results of this action at a local but also at a wider social context. The sustainable school prize for the year 2013 acquired by the students and teachers of the 2nd EPAL of Amaliada guarantees the utilization and spreading of the results.

**Κωδικός** 2019-1-EL01-KA102-062313

**Τίτλος Σχεδίου** Ολιστική Αξιοποίηση Βιομάζας και Αποβλήτων των Ορυζοκαλλιεργειών

**Συντονιστής** ΕΚ ΣΙΝΔΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The present application, entitled “Holistic exploitation of biomass and waste from rice crops”, concerns the education and training of students of the Eragstiriko Kentro of Sindos and especially the sectors of:

1. Agriculture, Food and Environment
2. Electrical and electronic engineering
3. Mechanical Engineering


In recent years Greece has been in a severe and lasting economic and social crisis and we are all called to help in the recovery and exit from the crisis. The agricultural and agro-industrial sector is a key pillar of the Greek economy. In Municipality of Delta, where Sindos belongs, there is one of the largest and most important protected ecosystems of Greece, the National Park of the Axios Delta (KYA 12966/2009), which thanks to the rational management of water is also the most important rice-producing region of Greece.

Rice is considered to be one of the most dynamic Greek crops and the need to develop innovative methods and technologies for the integrated use of sub-products and waste from the production, and the processing of rice products, which can radically change the way in which they are dealt with and manage these sub-products and waste. We conclude that these sub-products and waste, instead of being considered and treated as a problem, can essentially be renewable natural resources which, through an appropriately organized integrated development plan, can be used as a raw material for:

- the production of soil improvers and organic fertilizers
- the production of high nutritional value of feed
- the production of biofuel from the rice-hull with zero carbon footprint
- the production of composite building materials with ashes from rice flour

During the mobility, individual and collective learning outcomes will be obtained for the production of quality products from sub-products from the rice-growing wastes for the students in each sector, the escorts and the school unit. Specialized in:

- the sector of Agriculture, Food & Environment will develop skills in production, post-harvest management and processing of rice,
- the sector of Electronics, Electronics and Automation will develop skills related to the automated operation and control of the production line,
- the Mechanical engineering sector will develop skills for processing methods (chipping, compression, pelletizing and briquetting).



The beneficiaries of the Mobility Plan will be 18 students from the 3 aforementioned sectors and 2 teachers, who will travel for 14 days in Valencia, Spain, in consultation with the sending organization and the MOVEU host organization. The selected host organization has the necessary expertise in the field of specialization and the expected length of stay abroad is sufficient to meet the participants' educational requirements in order to acquire specialized knowledge based on European standards.

The choice of Valencia was not accidental as it is the most rice-producing region of Spain, as it is near the delta of the Spanish River of Evros, which supplies rice crops with the vast quantities of water required by this cultivation, simulating the corresponding supply of water of Delta Axios in the municipality of Delta. In the Valencia region there are huge integrated units of rice which, in addition to the production, processing, standardization and trade of rice are very active in the exploitation of sub-products and waste from rice-growing, producing feed, plant-based fertilizers, bio-fuels, materials and are in the stages of research into production and new beneficial products that respect the principles of sustainability.

After the end of mobility, the expected learning outcomes and the impact on the participants will be the acquisition of specialized knowledge by sector but also collective. In addition, this project will contribute to the acquisition of formal (Europass Curriculum Vitae, Europass Mobility Certificate, Mobility Certificate) as well as substantial qualifications (empowerment, active participation in collective actions, development of critical thinking, personal development, strengthening European citizenship and enhancing language skills). This project seeks to have multiplier benefits through the diffusion of results not only for the participants but also for other target groups. This will make full use of the learning outcomes of the mobility project, contributing to both the local and regional development of the wider area of the Municipality of Delta. In conclusion, it will be a guide to good practice, prompting more schools and institutions to participate in similar European actions.



**Κωδικός** 2019-1-EL01-KA102-062314

**Τίτλος Σχεδίου** Ποτά με Χαμηλό ή Μηδενικό Αλκοολικό Βαθμό: Η Καινοτόμα Τάση στη Σύγχρονη Ποτοποιία

**Συντονιστής** ΕΡΓΑΣΤΗΡΙΑΚΟ ΚΕΝΤΡΟ ΘΗΒΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Taking in consideration the need for further training of its students and the acquisition of skills in innovative practices and entrepreneurial actions, our organization Ergastiriako Kentro Thivas proposes a specific mobility plan.

The title of plan is "Beverages with low or zero alcohol degree: An innovative trend in modern beverage industry", concerns the mobility of 16 students in the field of Agriculture, Food and Environmental Technology with 2 accompanying teachers, who will travel to Barcelona, Spain for 14 days and the host will be MOVEU PROFESSIONAL SERVICES SL, The proposal of the Mobility Plan is part of a European Development Plan prepared by our organization to further improve it.


Main target of this Mobility Plan is to provide high quality vocational education and training services, through the acquisition of innovative knowledge, experiences and skills of the students. In particular, we aim at developing the extroversion of our organization, in strengthening the European consciousness of the participants, in enhancing specific personal characteristics of the participants (self-confidence, responsibility, entrepreneurship, etc.), in creating professional consciousness, in acquiring specialized and certified knowledge and skills in the field of modern beverages and at all stages of alcohol-free beverage production, in developing the awareness of the importance of alcohol-free drinks and the prevention of road accidents.

The program of the mobility will consist of three parts: The part of the visits to companies for the purpose of the study - the participants' exercise, the part of the theoretical training and finally the cultural part.

The procedures for organizing, monitoring and evaluating the program as a whole and its outcomes are enshrined in a series of conventions to be agreed between all involved parties. Students participating in the mobility program will be selected on the basis of school performance, personality and their knowledge in English language. The selection will be transparent and measurable.

The participants after completing the program will improve their personal skills and qualifications. They will have enriched their curriculum; will know the history, culture, customs and customs of another European country. Participants in the activity will have acquired knowledge of innovative methods in the beverage industry and will have changed their attitude towards the need to drink alcohol-free beverages and will strengthen their professional profiles.

The evaluation of the mobility plan will be carried out during the implementation of the program on a daily basis, through the participation of all the involved groups (participants - host - mission - sender) and also through the reviews of the participants at the end of the program. The certification of the



knowledge and skills that will be gained from the implementation of the program will be done with the Europass-Mobility Certificate and the Certificate of the Host Organization. Additionally, the project will be presented at a workshop organized by the participants, to disseminate the experience to parents, educators, students, as well as the local community.

The impact on all participants will be positive because it will strengthen cooperation between EU Member States, link innovation to education, fill gaps in curricula, develop innovation in innovative ideas, and integrate young people into life alcohol-free beverages.

In the long run, the implementation of the project offers good prospects:

- a) Our students will open a pathway for future employment or activation in Europe, or apply the innovative knowledge and skills they will acquire in their area
- b) Our Organization will expand its horizons within Europe and improve its services
- c) The local community will have highly qualified staff
- d) Hosting organization will expand its business and partnerships.

**Κωδικός** 2019-1-EL01-KA102-062315

**Τίτλος Σχεδίου** Τεχνολογία Συστημάτων Ανάκτησης Κινητικής Ενέργειας και Ενέργειας Καυσαερίων για Υβριδικούς Κινητήρες

**Συντονιστής** ΕΠΑΛ ΑΛΕΞΑΝΔΡΕΙΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

In order to meet the needs of students' education, teacher training and the internationalization of the organization, the Teachers' Association of EPAL Alexandria wishes to carry out a mobility flow of 18 students and 2 teachers of the "Vehicle Technician" and "Technicians of Electrical Systems, Installations and Networks" and a mobility flow for 8 specialists in Mechanical, Electrical and Computer Engineering in the subject of "Kinetic Energy Recovery Systems and Exhaust Recovery Energy Systems for Hybrid Engines".

In particular, with the proposed project, EPAL Alexandria wishes students to specialize in "Kinetic Energy Recovery Systems and Exhaust Recovery Energy Systems for Hybrid Engines" to interact with European work environments, enhance their professional profile and improve language skills and shape European mentality. The school itself is expected to benefit by enriching the curriculum of the respective specialties by designing courses and freely distributing them. It will also build a European profile and network of partners, increase extroversion and become innovative for the local society.

Upon completion of the project, EPAL Alexandria expects to transfer and incorporate significant know-how into the school, to achieve the modernization and internationalization of the organization, to provide students with knowledge and skills for maintenance / repair / diagnosis of damage to the Energy Recovery Systems in Hybrid engines, to develop pupils a European identity and to transfer their experiences to their classmates and teachers to improve their scientific expertise and evolve professionally.

There will be extensive dissemination actions such as publishing on the e-Twinning page, meetings of the Teachers' Association and Parents' Association and guardians, dissemination workshop, and Fb page update, interviews at a local TV station and an educational project "Converting a conventional bicycle to an electric bicycle with a Brake Energy Recovery System".

**Κωδικός** 2019-1-EL01-KA102-062316

**Τίτλος Σχεδίου** Η Τρισδιάστατη Εκτύπωση – 3D Printing ως Μέσο Επαγγελματικής Εξέλιξης

**Συντονιστής** 1<sup>ο</sup> ΕΡΓΑΣΤΗΡΙΑΚΟ ΚΕΝΤΡΟ ΓΡΕΒΕΝΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The Laboratory Center of Grevena in the context of the European Development Plan has identified the need for the acquisition of European experience for the students, the increasing of the competitiveness of students as workers or businessman and the need to synchronize the education with the labor market by creating collaborations with European organizations.

For the fulfillment of the above needs, the Laboratory Center of Grevena is requesting with the current project the specialization of 15 students of the 2nd Class of the “Mechanics” and “Electrical, Electronic and Automation” fields in the subject “3D Printing as a Professional Development Tool” for 14 days in Madrid. The 10 students will come from the Department of Mechanical Engineering and the other 5 students from the Department of Electrical, Electronic and Automation. The training program will also include an analysis of the business model based on three-dimensional printing. Indeed, through the construction of prototypes (rapid prototyping), three-dimensional printing offers the possibility with low cost and equipment to manufacture an original product before it is passed into the production process. In this way, three-dimensional printing is ideal for the transition from the “business idea” stage to the implementation stage.

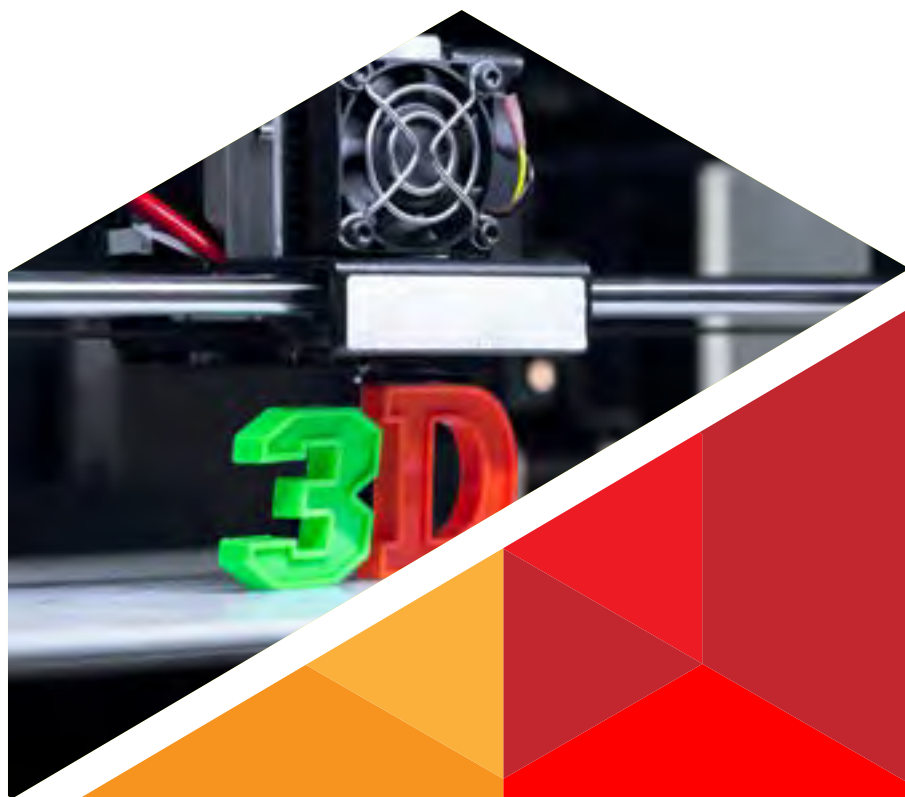
The objectives of this project are: **1)** the acquaintance of students with the European work and business environment, **2)** the acquisition of students’ knowledge and skills on design and 3D printing, **3)** the development of students’ entrepreneurial mindset, **4)** the acquisition of language skills for participating students and escorts, **5)** the contact with European bodies and organizations, **6)** the connection of education with the labor market and **7)** the acquaintance with other European cultures.

We are expecting our students to develop learning outcomes such as: to recognize the architecture of a 3D printer, to discern the different 3D printing methods and the scope of each method, to design with the free design software Tinkercad, to use 3D Printing software (Repetier Host), to print the 3D model they had designed, to develop business skills such as initiative, creativity and innovation, to design a business plan that will aim at the final production of a product prototype by using three-dimensional printing, to develop professional behavior and to practice their language skills in English and Spanish.

The impact on the participating students is expected to be: the development of 3D design skills and the use of 3D Printing software to produce a digital model, to develop knowledge and skills about the types, methods and applications of 3D Printing, the improvement of language skills, the development of English dictionary terminology, the cultivation of self-esteem and self-confidence, the development of entrepreneurial skills through the combination of 3D printing and entrepreneurship, and the expansion of students’ professional perspectives within the modern European working environment.

The impact on the Laboratory Center of Grevena, we estimate that it will be the increase of the school extroversion, the strengthening of the relations between the school and the students, the satisfaction of the school's need for obtaining a European identity, the integration of new flexible ways of learning and know-how, the develop of a network of contacts with businesses and companies, to get acquainted with new technological trends and to gain significant experience in creating future European programs.

To disseminate the results of the project, the school has designed a detailed program of actions such as writing press releases, posting bulletins on the e-Twinning website, organizing a school day in Grevena, participating in an event of the Chamber of Commerce of Grevena for presenting the project and the benefits of the 3D-printing for businesses, printing and distributing 100 calendars for the year 2021 with material from the implementation of the project and use of social media tools.



**Κωδικός** 2019-1-EL01-KA102-062317

**Τίτλος Σχεδίου** Σύγχρονες Μέθοδοι Ανάπτυξης και Ηλεκτρονικής Προώθησης Ορεινού Τουρισμού στον Δήμο Κόνιτσας

**Συντονιστής** 1<sup>ο</sup> ΗΜΕΡΗΣΙΟ ΕΠΑΛ ΚΟΝΙΤΣΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

This mobility project titled “Modern Methods of Development and Electronic Promotion of Mountain Tourism in the Municipality of Konitsa” concerns the training of 14 students in the Administration-Economy and Informatics sectors (2 of which will be graduates of the above fields in the school year 2018-2019) of the 1st EPAL of Konitsa.

In the extremely difficult economic and social situation in Greece, alternative mountain tourism can be a crucial part of the development of the local economy of Konitsa (part of a wider framework for the development of the national economy). This area fulfills all the conditions to support this type of tourism, combining natural beauty, historical heritage, secondary activities and easy access. In these areas, trainees will be trained in order to develop their skills, upgrade their professional profile and build their future professional identity.


In particular, through theoretical and practical courses, workshops, study visits and internships, the objectives and expected learning outcomes of the participants covered by this project and directly related to the needs of the labor market are the following:

- Training and familiarizing with the innovative methods of organizing, managing and operating businesses in the field of mountain tourism.
- Acquisition of skills related to the use of modern IT systems and tools such as Web design schemes and GoogleAdWords algorithm in the operation of tourist units.
- Development of modern methods and applications for electronic promotion of mountain tourism.
- Acquisition of the European professional culture through individual and group work.

The expected impact of the project on the participants has an individual, professional and social dimension. The beneficiaries of the Mobility Plan will be 14 pupils and 2 escorts - teachers of the 1st EPAL of Konitsa, who will travel for 14 days in Barcelona, Spain, in consultation with the school and the MOVEU host. The expected length of stay abroad is sufficient to meet the educational needs of the participants in order to acquire specialized knowledge on the development and e-promotion of mountain tourism, associated activities such as the organization of extreme sports, as well as how these European standards will be harmonized with the current needs and developments of both the local community of Konitsa and the wider region of Greece. Barcelona has been strategically chosen as it has a high level of corresponding services and a high product in the corresponding tourism industry.

After the completion of the main mobility activities, the expected impact on the participants will be the acquisition of knowledge and skills for the specific subject, the strengthening of formal qualifica-





tions (Europass Curriculum Vitae, Mobility Certificate Europass, Mobility Certificate) and their essential qualifications (empirical and experiential education), the enhancement of their self-esteem, their active participation in the social sphere, the development of critical thinking, their personal development, strengthening of the European citizenship and the development of their language skills.

We believe that the proposed mobility action will bring significant benefits, not only for the participants, but also for other target groups who, through the dissemination on the school website and the e-Twinning platform, will get acquainted with the specific mobility plan thereby creating an added value to the European community. It will therefore be an excellent guide to good practices, prompting more actors and organizations to participate in European actions. In conclusion, the learning outcomes of the mobility project will be fully utilized, in order to contribute to both local and regional development.

**Κωδικός** 2019-1-EL01-KA102-062318

**Τίτλος Σχεδίου** Αισθητικός-Νοσηλεύτης (Aesthetic/Cosmetic Nurse): Ανάπτυξη Δεξιοτήτων σε Καινοτόμες μη Επεμβατικές Αισθητικές Θεραπείες

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΑΝΩ ΛΙΟΣΙΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The 1st Vocational Lyceum of Ano Liosia has identified the necessity for 14 students of the Health-Caring-Wellness Sector (Specialties of Aesthetics and Nurses) to be trained in innovative non-invasive cosmetic procedures, in Barcelona, Spain.

Non-invasive cosmetic procedures and treatments include, among others, fillers, botox and injectable mesotherapy. Those are cutting edge cosmetic procedures that are used vastly in Europe and, since not so many years ago, in Greece. They aren't currently included in any Curriculum of any specialty of the Secondary Vocational Training. The procedures are applied under Aesthetic Medicine and they are performed by aestheticians and nurses under a doctor's supervision. Nowadays, the specialty of Aesthetic/Cosmetic Nurse, which doesn't yet exists in Greece, is constantly evolving as new products and procedures are added in the field of Aesthetic Medicine. These techniques are performed in Medical SPAs, a very popular type of wellness center which is currently prevailing in the job market.

Through this educational activity, our school wishes to provide students with knowledge and skills about the application of innovative non-invasive cosmetic procedures, so they are familiarized with them. After the training, students are expected to realize the evolution of aesthetics and the connection between nursing and aesthetic medicine, to know how to perform injectable fillers, botox and mesotherapy, to recognize and identify each substance's ingredients, to be able to choose the appropriate treatment, to prepare the therapy cabin and the tools, to identify the indications and contraindications as well as any side effects present. Moreover, students will interact with professionals who work in a different European country so they will form their own professional profile, they will collaborate with each other, they will exercise English and Spanish language, they will reinforce their curriculum and finally they will realize the potential in professional development and career prospects in a current European environment.

In the long run, trained students, as future professionals, they will transfer their acquired know-how in their respective fields, locally and regionally. Through dissemination other educational organizations will be informed about our program, so as teachers will be able to use new teaching practices and create a collaborative network.

Further dissemination means include press releases, posts on school's website and organizing a conference to present the results and to distribute a brochure regarding non-invasive cosmetic procedures and the possibility of a new specialty (Aesthetic/Cosmetic Nurse).

**Κωδικός** 2019-1-EL01-KA102-062319

**Τίτλος Σχεδίου** Η Προσθετική Κατασκευή ως Δυνατότητα Επισκευής στα Πλοία εν Πλω

**Συντονιστής** 4<sup>ο</sup> ΕΠΑΛ ΠΕΙΡΑΙΑ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ


The 4th Technical High School of Piraeus wishes to participate in a mobility project for students in the field of Maritime Engineering. The selected technical objective is "Onboard Additive Manufacturing for repair at sea" in a 14-day study program in Barcelona, Spain. The use of additive manufacturing (3D printing) onboard seafaring vessels is the latest innovation in repairs in the Maritime sector as it enables a vessel to continue its voyage unhindered to carry less spare parts and to minimize the time needed for the shipment of spare parts. With this mobility plan our school wishes to meet our students' needs for vocational training and development, and the school's extroversion and internationalization.

### *The objectives our school has set for its students with this project are:*

- Development of language skills in English and Spanish as these two languages are the most widespread languages in the Maritime industry
- Acquisition of knowledge and skills of design and 3D printing as a method of ship repair and maintenance both at sea and in port
- Familiarization with modern European working environments in the maritime sector
- Familiarization with other European cultures
- Mobility in the EU
- Creation of a network of European partnerships so that the school will implement other future mobility projects (in accordance with the European Development Plan), with institutions in other countries that are pioneers in the field of the International Maritime industry, Association of the school as a whole with non-formal education and entrepreneurship in the field of International Maritime industry.

### *With the proposed plan our students are expected to reach the following training objectives:*

- To form and improve language skills in English and Spanish
- To get acquainted with the 3Dprinter architecture
- To differentiate various methods of 3D printing and select the ones appropriate for the Maritime sector
- To use Computer-Aided Design (CAD) to create a 3D model
- To export the 3D model in STL file
- To use 3D Printing software so as to achieve the digital stratification of their 3D model
- To manage the Print Settings of the 3D printer

- 
- To print the designed 3D model
  - To form a professional attitude in modern European working environments
  - To improve their intercultural skills
  - To collaborate with other professionals
  - To form a responsible work attitude and ethic

***With this proposal our school has set the following objectives:***

- To gain experience and expertise in the management, organization and actualization of European Collaboration programs with foreign institutions
- To increase its extroversion towards the local community as well as the European Technical-Vocational Education sector
- To invest in 3D printing equipment (printer) so as to implement the 3D printing method in the school environment
- To form a network of European associates for the realization of future EU programs

***The achieved results will be disseminated with actions such as:***

- Notifications in the social media
- Local press interviews of the participating students after the conclusion of the mobility activity
- Interview of the participating students by the school radio of the 1st Technical Laboratory Center of Piraeus
- One-day seminar on the dissemination of the results of the mobility activity
- Creation and distribution of a 2021 calendar that will contain photographs of different moments of the mobility activity, training moments, cultural and educational visits and 3D printer use at the school.

**Κωδικός** 2019-1-EL01-KA102-062320

**Τίτλος Σχεδίου** Η Χρήση των Θεραπευτικών Κήπων στην Πρόληψη και Αντιμετώπιση Ψυχικών Νοσημάτων που Μαστίζουν τη Σύγχρονη Τεχνοκρατούμενη Εποχή μας

**Συντονιστής** 2<sup>ο</sup> ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΛΥΚΕΙΟ ΚΑΤΕΡΙΝΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

This Mobility Plan, titled "THE USE OF HEALING GARDENS IN THE PREVENTION AND TREATMENT OF MENTAL DISEASES WHICH INFESTS OUR TECHNOCRESTED MODERN TIME".

Concerning the education and training of students of the 2<sup>o</sup> Epaggelmatiko Lykeio Katerinis (2nd VOCATIONAL SHCOOL of Katerini), in the fields of Agriculture, Food & Environment and Health - Welfare & Well-being.


In recent years, the phenomenon of rapid urbanization and unregulated construction has been strongly observed in Greece; while the urban green areas have been significantly reduced degrading the quality of life. The positive impact of urban green spaces on city dwellers is indisputable, requiring the conversion of urban areas into Healing Gardens, which will make a significant contribution to protecting or improving the mental, psychological and physical health of citizens.

By the term "Healing Garden" we mean the evolving concept of the garden, whose therapeutic value and utility is related to the health of the citizens, in improving or maintaining their mental, emotional, psychological, social, physical-kinetic and physical health. The contribution of Healing Gardens can be catalytic in schools, hospitals, mental health centers, rehabilitation centers, nursing homes and every urban open space, which with targeted improvements can offer mental and physical uplift. Botanical composition, design, landscape architecture, construction and the equipment of this kind of Healing open gardens are constitute specialized and combined working objects among many specialties, in order to have the greatest therapeutic and aesthetic effect.

In particular, through theoretical and practical courses, workshops, visits, study and internships, the objectives and the expected learning outcomes of the participants' training are presented in this project:

- are considered at both a sectoral level and collectively as a synergy of sectors and specialties, in order to allow the use of therapeutic gardens to provide innovative cure techniques widely used by most mental health care institutions in Europe.
- are directly related to the needs of the modern labor market.

The beneficiaries of the Mobility Plan will be 18 students from the two above-mentioned sectors and 2 associate professors of the 2<sup>o</sup> Epaggelmatiko Lykeio Katerinis (2nd Vocational school of Katerini), who will travel for 14 days in Barcelona, Spain, in agreement with the sending organization and the MOVEU host organization. The host organization selected, has the necessary experience in the subject matter of the present application. The expected length of stay abroad is sufficient to meet the participants' educational needs in order to acquire specialized knowledge on the prevention or rehabilitation of the mental or psychological health of people with the help of the Healing gardens and how these European



standards can directly integrated into the educational process and the European professional reality. The choice of Barcelona was based on tactics, as it is a model for the regeneration of its urban fabric and the introduction of green spaces throughout its public space, while also affecting all public and private structures (schools, hospitals, nursing homes, public buildings, etc.). In Barcelona, it is made up one of the most innovative design of city center regeneration, where nature, technology and science combine harmoniously with great results in the quality of life of the residents.

After mobility ends, the learning outcomes and the expected impact on the participants will be the acquisition of specialized, individual and collective knowledge and skills. This project will contribute to the enhancement of the typical (Europass Curriculum Vitae, Europass Mobility Certificate, Mobility Certificate), as well as practical skills (empirical and experiential training) of the trainees and will contribute significantly to strengthening their self-confidence, active participation in collective actions, developing critical thinking, personal development, empowering European citizenship and enhancing their language skills.

This project seeks to have multiplier benefits not only for the participants but also for other target groups through the diffusion of the results, the page to be created and the post on the e-Twinning platform. This will make full use of the learning outcomes of the mobility project, contributing to local and regional development in the wider region of Pieria. In conclusion, it will be an excellent guide to good practice, prompting more actors and organizations to participate in European actions.



**Κωδικός** 2019-1-EL01-KA102-062321

**Τίτλος Σχεδίου** Τρισδιάστατη Ψηφιοποίηση Αντικειμένων στην Τεκμηρίωση, Διατήρηση και Διάδοση της Πολιτιστικής Κληρονομιάς

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΒΕΡΟΙΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

To this mobility project entitled 3-dimensional digitization Objects documentation, preservation and dissemination of Cultural Heritage regards training 15 students of Applied Arts sector of the 1st EPAL Veria. In Imathia located our city in a large antiques area, with the goal "Polycentric Museum of Goats" at Vergina, this project acquires another significance in the implementation of the promotion of our cultural heritage.

Archaeological and cultural sites, museums, traditional villages can be object of work for the three-dimensional digitized their presentation, in order to document, promote and disseminate the information accompanying them. The Three-dimensional digitization, leads in the key sector of Culture and Tourism of the resulting increase in visitors to the sites of interest and the region. "Even before Europe was united in an economic level or was conceived of economic interests and trade, it was culture that united all the countries of Europe.

The arts, literature, music are the connecting link of Europe "Dario Fo The beneficiaries of the mobility plan will be 15 students and 2 escorts - professors of Applied Arts sector, who will go for 14 days in Barcelona, Spain on request vector 1st EPAL Veria mission and MOVEU host institution. The planned duration of stay abroad is sufficient to meet the training needs of the participants to acquire specialized knowledge on topics dimensional digitization Objects, and associated activities arising from it, and how these European standards will be harmonized with current developments in both the local community of Veria, and the wider region of Greece.

The Barcelona choice based on that the city got the European Capital title Innovation in 2014 ranked as the fourth most "Intelligent City" in Europe ('Smart Cities' and 'Mobile Technologies'), is a successful example of good planning of the urban landscape, planning economic activities, urban development, social cohesion and a model for creative issues, innovation and applied cultural policy. Focusing on the utilization of cultural resources, all choices and decisions for the development of culture in a city Koinonia will trigger many startups companies that deal with the subject.

After the end of the main activities of implementation of mobility, the expected impact on participants will gain knowledge and skills for specific subject training, support for standard (Europass Curriculum Vitae, Mobility Certificate Europass, Certificate Mobility) and their merits (empirical and experiential training), strengthening their self-esteem, their active participation in society, the critical thinking development, personal development, aid the European citizenship and development of their language skills. The proposed mobility action we believe will bring significant benefits not only for the participants but for other teams - objectives which through diffusion, the page will be created and the eTwinning platform, will take note of this mobility project. By doing this you will fully exploit the learning outcomes of mobility project, helping both the local and regional development.

In conclusion, it will be an excellent guide of good practices, pushing more entities and organizations to participate in European activities.

**Κωδικός** 2019-1-EL01-KA102-062322

**Τίτλος Σχεδίου** Συστήματα Επικοινωνίας στα Διασυνδεδεμένα Οχήματα

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΛΥΚΕΙΟ ΞΥΛΟΚΑΣΤΡΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

In the present application of the 1st Vocational School of Xylokastro, the focus is on the technological field concerning the communication of Connected Vehicles. Connected vehicles are the vehicles that are equipped with advanced sets of communication allowing them to transfer data within the vehicle itself and its devices, as well as outside the vehicle to other vehicles or infrastructures (Vehicle to Vehicle, Vehicle to Infrastructure, Vehicle to Pedestrian, Vehicle to Devices).

The aim of our school is to cover all the educational gaps concerning this new technology, to offer a competitive advantage to our graduates and to make students active and familiar with the new European working environment in which they will be given the opportunity to practice foreign languages.

The 1st Vocational School of Xylokastro desires to fulfill these targets through a student mobility program. The program concerns 16 of our students studying the following specialties: "Computer Application Technician" and "Network and Telecommunication Technician". The students will be trained in Barcelona for a period of 14 days by the host organization Aemifesa on the topic "Vehicle to Everything (V2X) Communication for Connected cars".

Through this program students are expected to understand the concept of Interconnected Vehicles and the concept of Automatic Driving, to recognize and tell the difference between various communication systems of Interconnected Vehicles - Vehicle to Vehicle (V2V), Vehicle to Infrastructure (V2I), Vehicle to Pedestrian (V2P) and Vehicle to Device (V2D) – to get to know the architecture of communication protocols DSRC/IEEE802.11p and LTE – V2X, to recognize the types of sensors used in the Interconnected Vehicles in self driving situations, to be able to program in simple programming languages anything concerned with data management and data transfer from the car's sensors to a cloud, to install and set a data transfer network according to the IEEE 802.11p communication protocol and finally to develop language skills in both English and Spanish and get familiar with English technical terminology.

Moreover it is expected for them to develop attitudes and social skills like recognizing the value and the importance of lifelong learning as a necessary condition for professional development, to form a model professional behavior and acquire a European identity as well as intercultural perception.

For the 1st Vocational School of Xylokastro the impact of the project will be of great importance. More specifically, the school will succeed in connecting the course material of subjects taught in the Information Technology and Electronics specialties with modern technology applications. Moreover, the relationship between the school, the students and their parents will be strengthened. In addition, the school will gain a European identity and will create a European network of associates. Last but not least, it will play a vital role in the local community and the local labor market, transmitting new knowledge and providing it with highly expertise technicians.

**Κωδικός** 2019-1-EL01-KA102-062323

**Τίτλος Σχεδίου** Αμύγδαλο: μία Super Τροφή, Παράγοντας Ανάπτυξης της Νεανικής Επιχειρηματικότητας

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΝΙΓΡΙΤΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

In this day and age, when a lot of young people turn to agriculture for their livelihood, almonds are one of the most dynamic and upcoming crops in our country. In Serres Prefecture especially, there has been a substantial surge in almond production and at the same time an intense interest in its by-products, such as almond milk, almond flour and almond butter which, apart from their health benefits, consist an alternative solution for consumers with lactose intolerance.

EPAL Nigritas Serron has designed this project proposal entitled “ Almonds: a super food, a factor in the growth of youth entrepreneurship”, with the aim of training 12 students from the Agriculture and Computing departments in the latest growing and processing techniques of almonds. Valencia was chosen since, except for being the largest almond producer in Europe, it hosts a significant number of almond processing industries, where our students can be trained. The mobility project will be implemented in collaboration with the hosting organization Moveu, with significant experience in European programmes, many of which concern Agricultural and computing topics.

It is expected that the participants will acquire the know - how in a field which deeply interests them, since many of them come from almond - producing families, and that they will develop the incentives to establish their own almond- processing facilities in the future, based on European standards. For this reason, it is necessary for the two sectors to collaborate, since vertical integration of production requires the synergy of professionals from both fields, in all stages of production and marketing.

At the same time, the participants are expected to broaden their horizons by living in another European country for the first time, to boost their self-confidence and to practice the use of the English language. With the completion of the mobility, the participants will receive Europass Mobility documents, which will help them find employment in the future.

The assessment of the learning outcomes will be made both during the implementation of the project and after its completion, through interviews and questionnaires which will be compiled with the collaboration of the sending and hosting organizations.

The project results will be made known through press releases, posting on social media and during a dissemination workshop.

Last but not least, not only will our school benefit from this programme by adding a European touch to its profile, but other schools of the area will hopefully be inspired by the dissemination of the results of the programme.

**Κωδικός** 2019-1-EL01-KA102-062329

**Τίτλος Σχεδίου** Το Ψηφιακό Θεραπευτικό Παιχνίδι στην Πρόληψη και Αντιμετώπιση της Παιδικής Υπερβαρότητας και Παχυσαρκίας

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΧΑΛΑΣΤΡΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

In May 2018, the World Health Organization (WHO) declared that almost one out of five children in Greece and in other countries of Southern Europe is obese. This is a major issue as most of them remain overweight or obese throughout their lives (Maffeis, 2000) resulting in advert health conditions. Medical intervention is thought to be necessary as children have limited control over their eating behavior. Besides, children obesity also prevails due to limited physical activity. According to WHO, the use of appropriate, educational and regulatory tools could help solve the problem. Such a tool is gamification. A research overview (Barton Is., 2015) concluded that serious digital games improve children's physical activity and eating behavior. The effectiveness of all similar interventions was thought to be successful, given that instructions were strictly followed.

Gamefication in both cure and prevention of children's overweight and obesity is a field on which the students of the 1st Vocational High School of Halastra and the Sector of Health, Welfare and Wellbeing in particular, need to be educated. So do the students of the Sector of Informatics of the same school.


In the applied project, 20 students from the Sectors as mentioned above, are going to participate.

The project is titled: Gamification in cure and prevention of children's overweight and obesity. The mobility period is 14 days (+ 2 journey days). The project is planned to take place abroad, in Madrid where one of the most important and well organized networks for cure and prevention of children's overweight and obesity can be found.

The quality of the project according to the European Quality Requirements is secured after our cooperation with the MOVEU hosting organization that is highly experienced in the implementation of mobility projects and in particular in fields similar to the one we propose.

The main targets of the project for the benefit of the students are as followed:

- The education on the use of Informatics in the Health and Care Services.
- To obtain theoretical and practical skills on the use of Gamification in obese children.
- The participants will realize the importance of curing children's overweight and obesity as a means of prevention for serious chronic, metabolic (e.g. Diabetes Melitus) or cardiovascular diseases (e.g. Coronary Disease) during adulthood.
- The participants will realize the importance of keeping the body weight within the normal limits as a factor of: **a)** quality of life during both childhood and adulthood too, **b)** reduction on the financial burden of the Health Systems of the European Union Countries as a means of prevention of chronic diseases.
- The specialization on specific applications of Technology as a means of cure (e.g. Gamification), for the students of the Sector of Informatics in particular.



On completing the project, the participants will have acquired specific knowledge to work on overweight and obese children Nursing Care and Intervention using technology applications. Besides, they are going to receive participation certificates and a Europass.

The expected impact for the participants is highly positive. They are going to be exceptionally qualified with contemporary skills thus upgrading their professional profile. They are also going to be orientated to a broader European labor market.

The main expectation of our organization is the absolute success of the project in all of our activity plans. After the completion of the mobility period, the results of the project are going to be widely spread to local health entities, teachers and students of other neighboring schools, other educational entities and local community as well.

**Κωδικός** 2019-1-EL01-KA102-062330

**Τίτλος Σχεδίου** Ηλεκτρονική Διαχείριση και Νοσηλευτική Κάλυψη των Ασθενών που Πάσχουν από τη Νόσο του Σακχαρώδους Διαβήτη

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΗΡΑΚΛΕΙΑΣ Ν. ΣΕΡΡΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

A recent survey conducted on behalf of the European Commission to identify the degree of exploitation of new technologies in Europe identifies two main areas of application: a. Telecare, referring to the provision of home-based social care services and b. Home telehealth, which refers to the provision of home care services. Diabetes mellitus is a chronic disease and its incidence is rising rapidly over the last few years. The social and economic implications of diabetes mellitus are great and are due to the disease itself and its complications. An important prerequisite for treating the disease is the systematic monitoring of the patient by doctors and nurses. In many cases, such as the elderly, low-educated people or people living alone, contact with health professionals should be daily in order to achieve the therapeutic goal and prevent complications.

20 pupils from the EPA Health & Welfare and Informatics sectors will participate in the proposed project.

- The project is titled: Electronic Management and Nursing Coverage of Patients with Diabetes Disease
- The duration of the mobility is 16 days.

The project will be implemented abroad and specifically in the city of Madrid, which has one of the most important telepathic care systems for people with chronic illnesses. The potential for high level training in the field of personalized Nursing Care using ICT is therefore very high.

MOVEU has extensive experience in implementing mobility projects and especially in objects relevant to our own. This will ensure the quality of the training project in terms of European quality standards (Europass Mobility Certificates and Certificate of Attestation).

### *The main objectives of the project are:*

- The students understand the uses of ICT in the health and care service
- To acquire theoretical and practical knowledge in the methodology of managing patients with diabetes and in providing care using ICT
- Specialization in managing and solving technical problems of integrated tele-nodes systems especially for students in the field of Information Technology

By completing the project, participants will acquire specialized knowledge for work on the subject of nursing care to provide remote assistance to patients with diabetes. They will also understand the synergy between the two areas.



The expected impact on the participants is positive. Students will integrate knowledge and acquire up-to-date skills by upgrading their professional profile. Offering qualified graduates to the local community will have significant results, especially in terms of the right to equal access to quality primary health care for all residents regardless of where they live.

Our overriding expectation is the full success of the proposal in all the areas of action we have outlined and mentioned. After the end of the mobility, dissemination of the results of the program will take place, addressed to local health professional bodies and educational institutions, to the educational staff of schools in the wider area of the Municipality of Iraklia as well as to the local community.



**Κωδικός** 2019-1-EL01-KA102-062333

**Τίτλος Σχεδίου** **Ενεργειακή Απόδοση Κτιρίων: Μια Συνολική Προσέγγιση για Κατάρτιση Δεξιοτήτων Μαθητευομένων προς Εκπλήρωση Ευρωπαϊκών Οδηγιών**

**Συντονιστής** 2<sup>ο</sup> ΕΠΑΛ ΧΑΛΚΙΔΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The 2nd Vocational Senior High School (EPAL) of Chalkida wishes to implement the actions of its European Development Plan, which are in accordance to the objectives of the European directive “Energy performance of Building Directive – revision 2018”. Our plan is to suggest two technical discipline mobility flows, one for instruction and another one for apprenticeship. In that sense, we actually introduce an innovative design which relates to all the objectives of the directive as a whole (not separately, for example automation KNX) as well as from “smart buildings” to the development of charging stations for electric cars inside them.

Our school wishes to place 15 students from the departments of “Mechanical Engineering” and “Electrical Engineering, Electronics and Automation” to a training program and also to place 15 graduates of the corresponding disciplines to different companies as apprentices, in order to achieve the objectives of the European Directive.

The 2nd Vocational Senior High School (EPAL) of Chalkida has set the main goals for the participants of the flows: getting to know the European policies for the energy performance of the buildings and the zero pollutants buildings, the formation of environmental consciousness, the development of knowledge and skills on the technologies that improve the Energy Performance of the buildings, the increase of the students’ competitiveness in the professional environment, the improvement of their language skills, the formation of an enhanced professional profile adapted to the modern and demanding job environments. Moreover our school wishes to improve the European orientation of our organization and to match the knowledge and skills which are taught in our school to the European job market –harmonization of the school curriculum.

After the implementation of the mobility we expect our students to be able to recognize the technical actions in the installations of a building which can improve its Energy Performance, to understand the structure and architectural interconnections of the installations and appliances in a “smart building”, to be able to identify the types of charging stations for electric cars in the buildings, to be able to identify the technical features – parameters of a building which are going to be used to determine the new coefficient “Smart Readiness Indicator”, to be able to interact with professionals of their discipline, to practice their English and Spanish, to obtain job experience in modern, business premises and to form professional conduct in modern, European, job environments.

The 2nd Vocational Senior High School (EPAL) of Chalkida in order to diffuse the results of the plan will proceed to the following actions:

- publish press releases accompanied by photographs from the mobility activities and their implementation in our school

organize interactive activities of the two flows

- create two videos on the mobility activities of the students
- create accounts in the social media with constant updates concerning the activities of the plan
- organize a day meeting for the diffusion of the program
- organize a presentation for the Technical Chamber of Evia
- send press releases in English with students' interviews and the results of the program to the host institutions and the e-twinning platform.



**Κωδικός** 2019-1-EL01-KA102-062335

**Τίτλος Σχεδίου** Έξυπνα Κτίρια και Συστήματα Ενεργειακής Διαχείρισης

**Συντονιστής** ΕΠΑΛ ΠΑΤΜΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

EPAL Patmou is a small vocational school in the island frontier of Greece that operates 3 sectors: Economics and Management, Information Technologies and Electricity. It is our ambition to participate for the first time in a European Mobility Project with our plan for "Smart Buildings and Energy Management Systems".

### *The project's objectives are the following:*


1. An increase in students' skills concerning energy management issues for buildings
2. The professional orientation and future employment prospects of our students
3. An increase in knowledge and experience of our specialized teaching personnel
4. A connection and cooperation with partner organizations from abroad
5. A contact of our students with other European cultures

Twenty students of our school will participate in this project. These are students who wish to educate themselves and be professionally active in building's energy management but do not have the opportunities and outlets for training and skills development besides the ones that the school system and their island provides (which are rather limited).

The planned activities schedule (2 weeks) consists of theoretical training (20 hours) and technical visits (20 hours). The theoretical training will take place at the facilities of the host organization and shall be conducted by highly specialized personnel. The technical visits will take place in selected facilities in which energy management systems are already or are waiting to be installed. The participants' training during the technical visits will be conducted by the project management engineers of the facilities who will coordinate and cooperate with the specialized personnel of the host organization that is responsible for the supervision of the training process.

### *By this project, the participants are expected to:*

- acquire certified business skills by obtaining the Europass Mobility Document
- understand the basic concepts and technologies which are used in the sector of Buildings' Energy Management Systems (BEMS)
- understand the development and application processes of BEMS

- 
- understand the role of BEMS in the energy consumption of buildings and in the reduction of the greenhouse gas emissions
  - learn the European directives concerning BEMS
  - be trained in BEMS and in its new technologies
  - acquire job experience and the ability to adapt in a culturally and technologically developed work space
  - learn about the Cyprian civilization through cultural visits and tours at important historical sightings and museums of the area.

The potential longer-term benefits are expected to be great mainly due to the size of our island, not only in size but also in population. For this reason, a small effect is expected to have large consequences:

1. The training of our students in BEMS will benefit the island's environment since the newly acquired knowledge and experience will be communicated to the local community, both by the participants and our school. This will facilitate the future buildings' energy management and transformation of infrastructure with the vision of a "Green" island
2. The employment of our students in the field of BEMS seems highly probable due to the large number of houses both for the permanent residents and the tourists. This will keep the youth population in its island, avoiding the ills of unemployment and brain drain
3. The training of our personnel in BEMS will empower and enable them to transfer their knowledge and experience to future generations of students either in our island or elsewhere in case of their transfer
4. The contact of the students with other cultures and more advanced and innovative problem solving methods will create a different perception of problems (e.g. how smoking is perceived abroad), an appreciation and a bridge of friendship and communication with abroad. These feelings will be spread to the local community by our students and may create a change in the long-term.

**Κωδικός** 2019-1-EL01-KA102-062336

**Τίτλος Σχεδίου** Ιαματικές Πηγές και η Μετεξέλιξή τους σε SPA. Πηλοθεραπεία και η Εξέλιξή της σε Θεραπεία Υγείας και Ευεξίας

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΑΣΠΡΟΠΥΡΓΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

In the modern world, the notion of “Well Being” is often mentioned, that is to say the lifestyle that aims to improve the quality of human life in all areas. The Health, Caring and Wellness sector is in line with this trend towards optimizing the person’s life and is an increasingly evolving area.

In vocational education, the Health, Caring and Wellness sector is in high demand as a large number of students choose it. The curricula of the Health, Caring and Wellness sector, in particular aesthetics, deal with the principles of classical aesthetics and deal with issues related to product types, ingredients, as well as facial and body aesthetics such as facial care and hygiene, facial anti-aging , the treatment of acne, obesity and cellulite, as well as mental relaxation and wellness. Aesthetic remedies are designed to maintain and / or improve the health of the skin and generally the external appearance and well-being of those who receive it.

Accordingly, the specialty of physiotherapy deals with pain reduction, rehabilitation of injured tissue, improved mobility, increased muscle strength, strength and range of motion. The therapies of physiotherapy aim to develop maintain and restore the maximum kinetic and functional capacity of those who receive them.

However, this approach is not sufficient as the specialty of aesthetics and physiotherapy and the health sector in general are constantly evolving, with the introduction of new innovative care and rehabilitation methods and the need to improve the curricula of education that is in line with the current developments.


Main goal of the teachers of the 1st EPA.L of Aspropyrgos is for the students to acquire more theoretical knowledge and to be trained in a practical level in the field of aesthetics and physiotherapy, a tool that will help them develop professionally and become competitive in the difficult labor market of the present age.

In the modern world, the specialty of Aesthetics and Physiotherapy is evolving rapidly, either by introducing new types of products or by upgrading and developing existing products and techniques.

The subject of the present project is the technique of Claytherapy or Mudtherapy, a specialized form of external hydrotherapy. The technique of clay treatment is known since antiquity, as its properties are extremely important both in cases of disease rehabilitation and in cases of aesthetic appearance.

From all this, it is understood that clay therapy is a technique that can be well applied both by the specialty of aesthetics and physiotherapy. The Health, Caring and Wellness sector, which includes both specialties, refers to physical, mental and spiritual health, something aestheticians and physiotherapists are taking care of in the modern Hydrotherapy-Claytherapy.





The main objective of this project is the 1st EPAL of Aspropyrgos to meet the needs mentioned above and on this basis wishes to train 14 students of the Health, Caring and Wellness sector, equally available from the Aesthetics and Physiotherapy specialties, with 2 escorts - teachers who will travel for 14 days in Valencia of Spain. The host organization will be the European Moveu project implementation organization, which has the necessary experience in terms of mobility and through theoretical and technical training and workshops, will be the subject of specialization of this application. Valencia has been chosen as a destination, as it has hot springs - medical centers, which have been properly utilized and turned into modern therapeutic centers, which receive a multitude of visitors every year from around the world.

**Κωδικός** 2019-1-EL01-KA102-062337

**Τίτλος Σχεδίου** Τέχνη και Δημιουργικότητα εν Δράσει στη Βαρκελώνη

**Συντονιστής** ΔΙΕΚ ΑΜΑΡΟΥΣΙΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The Public Vocational Training Institute of Marousi is seeking to expand its educational horizons with a fortnight program of mobility in Barcelona, concerning 18 trainees of three sectors: baking and pastry art, ceramics and graphics art.

The aim of our Institute is to further specialize, increase work skills, gain experience in a foreign work environment, encourage completion and advancement of studies and finally help with job settlement in an evolving national and European environment. The training will take place in three enterprises with long experience in hosting Erasmus students providing innovative services.

The above mentioned three enterprises are: Buvette pastry, Atuell pottery and SciArt Design Lab. Each one of the three partners is fully specialized in the relative sector, they all have supervisors in the work areas and they are bound to offer quality work experience which will be certified by Europass and European Credit system for Vocational Education & Training (ECVET).

More specifically:

- Buvette pastry is specialized in making exceptional bakery and pastry product. Students will be trained in making traditional bread, yeast products, macaron, biscuits for cakes, chocolate and ice-cream based on Spanish techniques and special products in the local market.
- Atuell pottery will provide expertise in artistic ceramics and especially in Catalan technique "MAIOLIKA". This unique technique includes the creation of ceramic pieces, made from earthenware clay and their firing (biscuit), tin glazed and painted on the unfired glaze and also oxidative or reduction firing. The results of reduction firing are ceramics pieces with impressive metal iridescence.
- SciArt Design will help them evolve their knowledge as graphic designers in new programmes, work in a web environment, get training in multimedia issues and constructing websites. The students will be provided with valuable information about the relationship of nowadays advertising and graphic design and they will also be further trained in various forms of printing such as text, images, patterns and product packaging.

The trainees who are going to participate in the mobility programme have been chosen in advance, based on specific criteria, such as personal interview, evaluation of genuine interest, motivation and linguistic skills.

Accompanying personnel has been chosen on their ability to handle demanding situations outside the familiar environment of the institute and their contribution to the writing of the proposal. Their main goal is to acquire experience in the management of relevant programmes which reinforce the European dimension of EEK, the cooperation with the partners and the assimilation of new pioneering educational models which will improve the educational process in the long run.

The everyday activities will be organized and supported by our partners in Barcelona who have been committed to offer quality training and education, cooperation with the teachers and everyday evaluations of the trainees. They will be of important aid to the handling of practical issues as far as the accommodation or the transportation and the safety is concerned, while they will facilitate with the organization of the cultural and sight-seeing programme.

We consider that the cultural programme and the free time activities will contribute to a deeper understanding of the mentality and culture of the hosting country help the students find common characteristics in the European civilization and eventually identify their social entity as European citizens and workers.



**Κωδικός** 2019-1-EL01-KA102-062339

**Τίτλος Σχεδίου** Ζυμαρικά από Όσπρια: Η Νέα Σύγχρονη Τάση

**Συντονιστής** ΕΠΑΛ ΑΝΑΒΡΥΤΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The current application, titled "Legume pasta: the new modern trend" regards the training of learners of the field of Agriculture, Food Technology and Nutrition of the Technical Vocational School of Anabryta. The economic crisis affects the most structures of the industrial and agriculture of Greece. The weak domestic demand, heavy taxes and high energy costs have led many industries to the cessation of their activities. In contrast with this situation, there is the sector of production and processing of pastry products, which resists to this economic crisis and the reason is that the pastry industry is controlled by a few industrial companies; there is limited imports, while the export activity is important.

There are several pasta industries in the prefecture of Attica, as well as modernized vertically integrated industries at Elefsina Industrial Park. We conclude that, there are the conditions for creating innovative pastry products, which will give added value to the existing pastry industries and strengthen the local economy.

In this context, the current mobility plan aims to adopt innovations and good practices, which are applied in Spain in matters of organization - function of pastry industry, operating in new-generation pulses of pasta such as red lentils, black lentils and chick peas. These products are intended for specific population groups and require specialized knowledge on both production and processing.

This project is aimed to acquire skills in the topical nutritional object of the identity of the new generation of pastry, through the creation of integrated vertically integrated industrials, producing complete diversified industrial pastry products.

The Technical Vocational School of Anabryta wants to take place one flows of mobility in Barcelona, Spain, and the host partner is going to be the Moveu. Each flow will be composed of 12 trainees and two escorts and each flow is going to stay there for 14 days in Barcelona, which will be trained in different subject of study over the pastry industry.

The mobility flow is expected to take place in November 2017. The destination country have been chosen Barcelona, as the last 20 years has strongly developed the Agriculture and Food sector, and has been given special attention at the primary grain production, the secondary processing of flours and the tertiary sector of promotion and marketing of this product type. Also, the last 10 years Barcelona has turned to highly nutrition foods that promote health and wellness.

After end of the proposed plan, the participants' main aim is to acquire knowledge and new skills on the specific training field will have been achieved. What is more, typical qualifications, such as the Europass Certificate, will be added to their list of assets. Finally, those who will participate in this program will greatly reinforce their personality and their sense of being a European citizen, and they will have the chance to improve their linguistic skills as well.

The suggested mobility plan is considered beneficial not only for the group of the participants but also for other groups, who will be informed about this action through the diffusion which will take place after the completion of the project. In this way, the training outcomes of the mobility plan will be fully exploited, contributing thus towards both local and peripheral development. Finally, it will constitute a model of good practices which will motivate more and more institutions and organizations to participate in European actions.



**Κωδικός** 2019-1-EL01-KA102-062340

**Τίτλος Σχεδίου** Νεανική Επιχειρηματικότητα και Βιώσιμη Ανάπτυξη

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΓΛΥΦΑΔΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The requested project “Youth Entrepreneurship and Sustainable Development” includes 2 flows. The learners’ flow aims to acquiring knowledge and technical skills of 15 students of the 1st EPAL Glyfadas, who attend the specialties “Employee of Tourism Operations” and “Employee of Administration and Financial Services” of the 2nd and 3rd grade of the Department of Administration and Economics. The total duration of the project is 16 days (17/11/2019 to 2/12/2019) and will take place in Seville and the Andalusian region of Spain.


The mobility aims to help students orientate themselves to professional activities that are nature-related either in the Tourism sector or in the Primary Production and Trade and rely on Sustainable Development, while giving them original ideas for developing entrepreneurship in related sectors of the economy, with respect for the nature, tradition and preservation of the ethnological and architectural elements of a region. In recent years, the intensification of both tourism industry and the primary sector production has been observed in Greece with the uncontrolled use of natural resources, which in the short term can generate profits, but in the long run will lead to the alienation and decline of local communities. Spain is a typical example of a country that has managed through controlled efforts to control unregulated tourism and protect both the environment and its particular cultural heritage, which is a difficult task if one thinks it is the third most popular tourist destination worldwide according to the OECD.

To achieve the objectives of the plan, activities are planned to take place in organizations involved in education, tourism, agricultural production and exports of agricultural products and focus on the idea of economic development with environmentally friendly methods and techniques.

### *Expected results from students’ participation in the mobility include among others:*

- understanding the contribution of the countryside and tradition to local economic development
- gaining experience on Green Entrepreneurship
- managing with respect to natural resources at all stages of operation of an enterprise
- creating conditions for the promotion of the agricultural / tourist product, making it exportable and competitive
- the development of entrepreneurial actions that do not alter the ethnological and architectural elements of the environment
- strengthening of the ecological awareness and sense of responsibility towards the consumer
- the cultivation of European consciousness and respect for the culture of other European people.





Students will be accredited for the knowledge gained with Europass while in the long run the school's positive image and visibility will be enhanced by disseminating the results of the project.

The objective of staff mobility is to study Germany's dual vocational education system and the "Apprenticeship" that could be described as a "transition system" from school to labor market. Greece is making its first steps in recent years in Apprenticeship and 1st EPAL of Glyfada is one of the schools that pioneered in its implementation.

Mobility intends to cover the need for teachers to receive good practices and transfer them to Greek reality from a country that the dual system has been the centerpiece of its productive model since 1950. Visits to vocational schools and Technical University, educational and retraining organizations, chambers and enterprises employing apprentices will take place during the mobility.

***Expected results from teacher participation in mobility include among others:***

- acquaintance with the corresponding study programs in Germany
- learning of training techniques useful for teaching in school
- improving communication with student employers
- the optimization of apprenticeship management procedures
- the networking with organizations with whom they will stay in touch and will draw on know-how in the future
- contact with ways of training sensitive social groups

Especially from staff mobility, long-term benefits for the school are expected as teachers are the main pillar of the educational community and their continuous training in matters of vocational education and training is reflected in their didactic and pedagogical work and the development of their students.

**Κωδικός** 2019-1-EL01-KA102-062341

**Τίτλος Σχεδίου** Πρακτική από το Πέραμα στο Μιλάνο

**Συντονιστής** 7<sup>ο</sup> ΕΡΓΑΣΤΗΡΙΑΚΟ ΚΕΝΤΡΟ ΠΕΙΡΑΙΑ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The planned mobility action in Milan of Italy lasting 16 days, titled "Practice from Perama to Milan", involves a total of 15 participants, from the specialization of Hairdressing with the support of two accompanying teachers, at the end of March 2020, more specifically from March 21st to April 6th 2020

### *Participation is given following evaluation regarding:*

- a) the knowledge acquired by students from their theoretical training based on the existing grades,
- b) the language skills that will be investigated following a relevant test
- c) the communication and collaboration skills available to learners evaluated by a group of teachers.

The two accompanying teachers, Trainers of Health, Welfare and wellness, were selected by the school management so that through the collaboration of their reference fields, the planned impact will be achieved on both the participants and the organization itself.

The aim of the project is to strengthen the processes that will support the pedagogical role of the school in order to respond more effectively to the modern requirements of knowledge and technology society. Procedures related to the training of specialists, teachers and the use of new technologies as well as the improvement of their language skills and influence the actions of extroversion and networking, actions necessary for the enhancement of the educational outcome.

Concerning the hosts and the activities included in the project, their selection was made on the basis of the achievement of the objectives and especially the possibility of developing the skills of the participants in their field of study and the opportunity to find themselves in a multicultural environment requiring immediate social and linguistic response while at the same time cultivating the feeling of European citizenship.

**Κωδικός** 2019-1-EL01-KA102-062342

**Τίτλος Σχεδίου** Η Ψηφιακή Αφήγηση ως Εργαλείο στην Περίθαλψη Ηλικιωμένων Ατόμων με Γεροντική Άνοια

**Συντονιστής** 3<sup>ο</sup> ΕΣΠΕΡΙΝΟ ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΛΥΚΕΙΟ ΒΕΡΟΙΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

This application introduces the term “Digital narrative for the treatment of elderly people with dementia”, which is the process of creating a tablet and smart phone application for the treatment and employment of patients with senile dementia.

The 3rd Vespers EPAL wishes to train 20 Health and Information Technology students (10 from each sector) in a 16-day mobility activity on “Digital narrative as a tool in the care of elderly people with senile dementia” in order to upgrade and modernize the education offered and the professional qualifications of students, to acquire a network of partners, a European identity and experience for future participation in European mobility programs or school partnerships.


### *The organization with participation in the activity will contribute to the following goals:*

1. Communication with the European Working and Operational Framework
2. University in European programs
3. Acquisition of specialized knowledge, skills and skills of healthcare students in the treatment of adolescent patients through creative writing
4. Acquisition of knowledge and skills of the IT beneficiaries in the design of Internet digital goods of general interest and in social cooperative entrepreneurship
5. Improving the professional profile of students
6. Getting in with European bodies, organizations and schools for the future Erasmus + partnership
7. Acquiring linguistic and narrative skills
8. Familiarity with other European cultures

### *The Health Participants expect us to:*

- applies a creative writing program for the care of adolescents,
- they know memory activation techniques by recalling memories and
- the use of questionnaires, quizzes and personal interviews to improve patients.

The IT participants expect to: **a.** Designing easy-to-use digital applications in the WordPress environment, **b.** use multimedia editing software (Movie Maker, Photoshop, Audacity, Sony Vega), and **c.** to integrate multimedia elements into digital narrative products. Creative writing is the appropriate means



to record the testimonies of the elderly and then to transcribe with the technique of digital story telling. Using multimedia editing tools and WordPress, an online digital storytelling application for adolescents will be produced.

*The steps are as follows:*

- The team of nurses will record stories that senior adults will tell in the context of employment-care, with notes, audio documents and videos. Then he will transcribe them in literary form (fairy tale, short story, etc.) with short form storytelling tools.
- The IT team will create multimedia digital narratives, combining the edited multimedia documentary material and small formwork. With digital narrative products it will create the application.

The teams will work to produce the product in the context of synergy and inclusion. The process begins with a small form of recorded stories. Then short story stories with edited multimedia documents will be combined into a multimedia narrative. Finally, the application will be designed to be available through KINESP.

We expect the beneficiaries to develop appropriate professional behavior in European workplaces, to work with professionals of other specialties to practice their English language skills and basic terminology of specialization, develop intercultural skills and interact with Spanish culture.

Lastly, there is an increasing need to provide care for the elderly with dementia across Europe. These services are provided in nursing homes or at home and require specialization. The present project will give nurses experience in the care of adolescents. The result of the action will be a toolbox for adolescent employment and care with creative writing to improve the school in modern practices. The toolbox will be used in school activities with nursing homes as an adhesive link in the chain of memory. The school will incorporate the know-how that will be acquired permanently in its training program. In this way, it will become an active cell of the local community, contributing to the upgrading of the city itself and the city, to the elimination of the feeling of aging and the suppression of degenerative diseases of memory. Finally, it will upgrade its European character. In multicultural Europe a prerequisite is the knowledge of the history of others with a view to mutual respect.

The following dissemination actions will be carried out in creating press releases and targeted posts, conducting a dissemination of results, blog posts, and the Facebook school homepage, in approved educational websites such as Alfavita and Esos, and on the e-Twinning and EPALE website.

**Κωδικός** 2019-1-EL01-KA102-062343

**Τίτλος Σχεδίου** Νέες Τεχνολογικές Εμπειρίες στο Μιλάνο

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΝΕΑΣ ΦΙΛΑΔΕΛΦΕΙΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

A two weeks mobility is proposed to Italy - Milan with 15 students from three specializations and two accompanying teachers. The flow will include the disciplines of car mechanics, computer and informatic applications and electrical and electronic systems and practice in three companies in Milan. It is proposed to be implemented on the second half of November 2019 with indicative dates 16/11-2/12/2019.


The action includes in this order: contact with the local partners and signing of the Cooperation Contract, inform the students of the school and make the pre-selection, select and prepare the accompanying teachers and get them familiar with the conditions of the implementation of the program.

The final selection of students will be done using questionnaires and educational, linguistic and social criteria taking into account the low degraded area and the difficulties of students coming from families with low income, living next to the highway. In school preparation includes full sharing of information, language support and a daily pre departure seminar. This seminar will engage students and teachers, where detailed information will be available on the precise terms of practice, on hosting terms, on cultural differences between countries. This seminar is essential both for binding and the guidance as well as the proper preparation of the team that will be established abroad.

The working experience will take place with the support and control of a tutor and trainers in three companies with previous experience with Erasmus+ students.

- A.** The car mechanics will get their experience in Fassina S.P.A., one of the largest companies in the car sector in Milan, having Service for cars of any fuel technology (gas, diesel, unleaded gasoline, hybrids and electric). Trainees will learn the details of the new generation car technology and electronic security systems, about spare parts and safe use of all relative equipment.
- B.** The electricians will be placed in the company Nidec ASI spa a company dealing with electrical equipment and energy saving systems. The trainees will learn about closed circuits, electronic devices, automation and special equipment and machinery.
- C.** The IT technicians will get the experience in Imacchinisti srl, a company that provides specialization in software and networks management, web designing, online technical support for MAC systems, data recovery, management and safe storage as well as the e-commerce and websites management.

The value of the mobility lays on the quality of the training from the technical/technological point of view and will also help to broaden the vision and the perception of our students on their profession, the updated guidelines, safety in the working environment and their professional future. We are expecting



the educational and psychological empowerment of the participants who, in total, could not have any other chance for abroad professional training. We are also expecting the accompanying teachers will get experience and incorporate the results of the program to the educational approach of the school.

Evaluations will be conducted in a mixed system comparing questionnaires' results on the capabilities before and after the mobility, the personal daily and final evaluations given by the tutors of the companies and the qualitative opinion of the accompanying teachers.

The dissemination of the action will take place in and out of school with the participation of the students, and mobility material upload to the website of the school and companies in the area. We believe that many companies will be interested to hire graduates from our school would have the Europass Mobility certification. The EPAL gate will be very useful for the dissemination of the project.

The proposed mobility we believe that will have multiple positive effects for the school that will be well known to the youngsters and many relative professionals in the area. It will also improve the image of the vocational education and training in an area that needs a lot of technical professions.



**Κωδικός** 2019-1-EL01-KA102-062345

**Τίτλος Σχεδίου** Ορεινός Τουρισμός και Φροντίδα Παιδιών Προσχολικής Ηλικίας στην Αυστρία

**Συντονιστής** ΔΙΕΚ ΑΓΙΟΥ ΣΤΕΦΑΝΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The Public Institute of Vocational Training which is situated in Agios Stefanos in Athens, aims at investing educationally to the young people of our area who have less opportunities than others and it also highlights the value of qualitative professional training in our days. Its educational goal is to increase the qualifications of the students of two educational fields initially: Mountain Guides (8) and Childcare/ Nursery Assistant (7) by organizing an exchange through Erasmus+ in Austria. The Programme is expected to take place in the first 15 days of December 2019.

The students who participate in this programme have been shortlisted on the basis of their participation in an oral interview, an assessment of their true interest for the practice, their motives and their capabilities.

The Associate Professors who are going to escort the students in Austria have been chosen on the basis of their expertise, their ability to deal with students within a different from the ordinary framework and their contribution to the formation of the present proposal.

Our two partners specialize in this particular field and they have experience with students who wish to perform their practice through Erasmus+. There will also be supervisors in the workplace so that the students can be offered a qualitative working experience which will be accredited by Europass.

Sektion Osterreichischer Gebirgsverein (OGV) will provide Mountain Guides with the opportunity of working in a business that deals with mountain tourism. It has an organized marketing section and deals with outdoor recreational activities in a country that offers hundreds of mountain recreation centers of any type.

Kinder Akademie UMKA constitutes a nursery care framework with children of various backgrounds and will offer training in developmental methods as well as techniques in organizing creative pastime activities through which the young children develop their perception and emotional intelligence.

The general aims of this exchange programme as far as the students of the two particular educational fields are concerned, is the encouragement to increase their capabilities and improve-accredit their qualifications. They will also try themselves in an intercultural working environment outside their home country, they will improve their skills in a foreign language and they will obtain a better understanding of their working field. They will broaden their horizons and will be fully aware of the European component in their professional training and employment.

### *The aims in particular are:*

- A) For Mountain Guides, to familiarize themselves with the terms under which mountain tourism businesses in Austria operate trips and materialize relevant outdoor recreational activities. The aim of the programme is also to let students realize Austrian social habits and mentality and consider how mountain tourism and generally their profession could develop in Greece.
- B) For Nursery Care Assistants the aim is to gain the experience of organizing a modern Nursery Day Care centre, to apply new pedagogical practices and techniques regarding creative pastime activities for toddlers, to learn how to cooperate with an interdisciplinary team and increase their perception as far as the understanding of children deriving from varied environments is concerned.

To continue with, for the Associate Professors who are going to escort the students, what is being pursued is the increase of their expertise in managing relevant programmes. They will also gain experience regarding the European dimension of EEK through the cooperation with partners, familiarize themselves with dealing with students out of the school framework and improve their ability for effective communication and organization of activities. Lastly, they will assimilate new educational models regarding the adaptation of active training methods at school. The everyday activities of the practice have been designed with the criterion of attaining the goals that have been set.

The selection of the official partners for the practice was made not only on the basis of the potentials they offer for practice in real working conditions for the two professions, but also their experience in supporting new trainees for the development of technical knowledge, capabilities and social skills.

The educational programme will be accompanied by a cultural programme and parallel activities so that the participants comprehend the other country's culture and see European civilization's common elements/characteristics. The participants will also take full advantage of their free time dealing with creative activities and will also be able to consider the european prospects of their profession.

**Κωδικός** 2019-1-EL01-KA102-062348

**Τίτλος Σχεδίου** Εκπαίδευση και Κατάρτιση στην Εφοδιαστική (Logistics)

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΟΡΕΣΤΙΑΔΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The Logistics has known and still knows continuous growth, as it is a key sector for the smooth operation, profitability and good image of any company. As a term, Logistics is the entire supply chain management functions, which designs, implements and controls with efficiency and effectiveness the goods' storage flows alongside with related information from point of origin to point of consumption to ensure customer's satisfaction. The efficient organization, coordination and management of the flow of products and information in this chain, is the working field of Logistics executives.

The Logistics executives in order to respond effectively to the demands of management of supply systems and goods of a modern business should be properly trained and qualified. For this reason, the 1st EPAL ORESTIADAS, submits this mobility project for 14 students, seven students of Employees of Administration and Financial Services in Administration and Economy specialty as well as 7 students of the specialty Technician of Computer Application of Information Technology, on "Education and Training in Logistics (Logistics)" project, in Rimini, Italy, with Sistema Turismo srl as host partner.

The training period is two weeks and involves the placement of beneficiaries in five companies that manage Logistics systems in the form of internships.

The aim of the project is for the participants to gain knowledge, skills and attitudes, enhancing their skills and facilitating their access to the labor market.

### *The specific objectives of the project on the beneficiaries are education and training in:*

- purchasing and supply management (receiving, quality control, tariffs control).
- implementation of warehouse management systems.
- inventory control, stock-holding costs.
- distribution of products and goods, packaging, transport and distribution.
- information supply management systems (ERP Enterprise Resource Planning).
- service and customer satisfaction.
- the observance of safety rules, hygiene and taking personal protective measures in the workplace.

### *Moreover, with the project implementation for the beneficiaries we expect:*

- recognition that such knowledge is necessary for their careers, enhancing their school performance and excluding dropout.
- Acquirement of taking initiatives attitude and entrepreneurial spirit, while broadening their professional horizons.

- enhance their intercultural awareness.
- developing the European dimension in the fields of education and work.
- Strengthening incentives for their participation in future EU programs

The participants are students in the third grade of the aforementioned specialties, aged 16 & 17 years old and come from urban and agricultural family environments of the city of Orestiada and the region of Northern Evros. Learning needs are long since they grew up with fewer educational opportunities in a rural border region from which they originate, and also facing the challenge of social exclusion because of desertification in the province of remote northern Evros.

This plan will help them practice in a key area of economic development of modern companies as supply systems and goods, in technologically advanced businesses abroad, which is essential in order to develop their skills for future employment, thus combating unemployment and social marginalization.

The internship will take place in 5 companies in Rimini, Italy, which are suggested by the Host Sistema Turismo srl and undertakes the planning, organization and evaluation of the internship and staying overall. Upon the completion of project, the beneficiaries are expected to acquire knowledge, skills and experience in organization, management, coordination and control of the supply system and goods of a company, thereby improving their skills and gaining more job opportunities and development of professional activity.

At the end there will be a workshop for dissemination and diffusion of the project results to the wider educational and business world of Orestiada and Didymoteicho area. In companies already implementing or planning to implement Logistics systems the acquired know-how and good practices of organization, management, coordination, monitoring and implementation of information systems is going to be presented. There is also going to be cultural sightseeing and historical monuments visits in the wider region of Rimini in Italy, during the practice's days off.

**Κωδικός** 2019-1-EL01-KA102-062350

**Τίτλος Σχεδίου** Έξυπνα Βιομηχανικά Αυτοματοποιημένα Συστήματα 4<sup>ης</sup> Γενιάς  
(Προγραμματισμός, Εγκατάσταση και Συντήρηση)

**Συντονιστής** ΕΣΠΕΡΙΝΟ ΕΠΑΛ ΣΑΛΑΜΙΝΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

By the term "Industry 4.0" or "Fourth Industrial Revolution" we mean the general automation of industrial operations and the way robots and computers are linked together, creating intelligent high security systems for the industry worker and more production capabilities.

Production in these units is fully automated by machines communicating with each other via networks (interoperability). In particular, one-line robots have the ability to learn using the least possible human modifications and are remotely linked to computer-aided computing systems (machine learning).

Its core elements are an important factor for further development of any industrial unit that aims to be in harmony with the modern market needs.

In the present project entitled 4th Generation Intelligent Industrial Automation (Programming, Installation and Maintenance), ESPERINO EPAL Salamina wishes to train: This Mobility Plan wishes to attract 15 trainees from the fields of Mechanics, Informatics, Electrical-Electronic-Automation, in the planning, installation and maintenance of modern industrial automation systems.

who will travel for 14 days + 2 trips to Barcelona, Spain. Barcelona is chosen as a destination as it is one of the most developed areas in the field of Robotics and Automation and has 2 of the largest research centers specializing in the 4th Generation Industry.

The MOVEU Host Organization, with the necessary experience in terms of mobility and through theoretical and technical training and workshops, will provide the subject of specialization of this application.


The training program builds on the acquisition of specialized practices and theoretical knowledge on the subject of robotics and automation applications in 4th generation industrial environments.

### *Basic Objectives of the Plan:*

- Accelerating theoretical and practical knowledge on the subject of Applied Robotics and Automation in 4th generation industrial environments
- To understand the synergy of the above from the perspective of the two fields of "Electrical, Electronic and Automation" and "Informatics" in a modern 4th generation industrial environment

### *After the mobility plan ends, participants will acquire the following skills:*

- Introducing the difference between robotics and automation in the 4th generation industry and understanding the types and methods of robot and automation collaboration in 4th generation industrial environments - implementing the concept of interoperability.

- 
- Understanding the data transfer architecture of sensors in the 4th generation industrial environments
  - Development of a methodology for the wireless connection between parts of the production line with control centers in modern 4th generation industries.
  - Categorization of Machine Communication Protocols.
  - Develop critical analytical thinking and problem solving with the use of industrial information systems.

*At the same time,*

- recognition of the importance of lifelong learning,
- improvement in foreign languages,
- enriching knowledge and familiarizing with other cultures and countries,
- recognition of the knowledge acquired during periods of study abroad.

The expected impact on the participants will be to acquire knowledge and skills, strengthen their formal and substantive skills (empirical and experiential training), strengthen their self-esteem, enhance European citizenship and develop their language skills.

The proposed mobility action will bring significant local regional benefits through the dissemination activities carried out by the school both in the school environment and in the local community. This will take advantage of the acquired knowledge and be a reference point of good practice, leading local and regional bodies and organizations to participate in European actions.



**Κωδικός** 2019-1-EL01-KA102-062353

**Τίτλος Σχεδίου** Σχέδια για το Μέλλον μου...

**Συντονιστής** ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΛΥΚΕΙΟ ΚΑΣΤΟΡΙΑΣ

**Διάρκεια Σχεδίου** 20 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

### 1. Frame/Plan Background

Now that the European action “Strategic Europe 2020” and “Education and training 2020” is coming to an end and the results of this effort will be evaluated, the Vocational Lyceum of Kastoria aims at its contribution for the evaluation of progress and marching ahead of the Vocational Education and Training in Europe, participating in it but for its own evolution as well, with experience and knowledge that it will use for co-operations with other schools and sectors by giving to its students qualitative skills and abilities in modern technologies, supporting the institution of Apprenticeship and helping young people in the area to acquire attitudes of life that will change the society we live in. So, we submit our proposal titled “Planning my future...” in order to seek ways of accomplishing all the above mentioned.

### 2. Plan Targets

The plan deals with the acquisition of premature experience in their specialty in such a degree so as to change them from apprentices in school into intelligent and creative employed citizens. Simultaneously, with this program, we consider it important to remind them that they must seek their continuous development in a working and personal level. By attending an organized European Program their participation in groups is activated by completing and supporting each other as they are all abroad and have the same target.

### 3. Methodology For The Plan’s Realization

The frequent communication with our partners helped us to organize a series of activities that fulfill our plan’s targets. Our purpose is to feedback the program continuously with new data until the end of the evaluation so as we have the ability to improve and enrich it.

### 4. Description Of Activities

The program includes 4 flows. The 3 of them concern the specialties of electricians together with car technicians, management and accounting with agriculturists and the specialty of health, welfare and well-being. We aim at involving many more specialties and students. In order to increase the team and co-operative learning, we chose some specialties to be trained and instructed together. The flows will take place in Barcelona with the following subjects:

- 1) ELECTRIC AND HYBRID CAR, technologies of constructing, specialization in the charging system with practical exercises from the students and labors after the end of their theoretical training. The program includes visits in companies that produce electric cars.
- 2) MODERN AGROTOURISM TECHNICS in modern agrotourism and bio-agrotourism models, model crops, innovative techniques of changing products, organization of electronic trade and production units.
- 3) INNOVATIVE AESTHETIC AND HYDROTHERAPY TECHNICS, prosthetics, telenursing and smart devices at health sector, nursing handle of therapy in medical centers and practice in welfare centers and clinics.

The fourth flow, in Berlin, concerns the teachers' training with the subject "Technical approaches between employers and partners for the Apprenticeship and applications of Job Shadowing", during which eight (8) teachers of our school will get further education on improving practice that moderates the lack of correspondence between skills and work places and decreases the lack of skills by balancing the offer and demand.

### ***5. Number and Profile Of Participants***

The number of students that will participate in Barcelona is 32 students from the above mentioned specialties. The escort teachers will be 2 in every flow and the age of the students (boys and girls) is 16 to 20 years old and they are students at the Vocational Lyceum of Kastoria.

Among these students, there are some who have learning and social problems and need our help to solve them so as to feel that they are not alone in their effort to enter smoothly into labour and society and their school will go on helping them after their graduation, as well.

The eight (8) teachers that participate in the Apprenticeship in Berlin work at Vocational Education and at our school for many years.

### ***6. A Brief Description Of The Results and Possible Long-Term Benefits***

The realization of the plan converts school into a center of co-operation because the acquisition of skills and abilities in advanced technologies from the students will lead them to a useful knowledge of technology either as professionals in the area or to a co-operation with schools abroad for exchanging views and good practices in likely subjects. Its students will understand the partnership and they will offer to the society's unity. The target team will be motivated by them as well and see life differently, free from the problems that disorganize them. The supporting of Apprenticeship with quality will establish it helping, in this way, the studying programs to achieve the development of creative skills and abilities.

**Κωδικός** 2019-1-EL01-KA102-062356

**Τίτλος Σχεδίου** Μέθοδοι προώθησης και ανάπτυξης του παραλίμνιου τουρισμού της λίμνης Κερκίνης

**Συντονιστής** ΕΚ ΣΙΔΗΡΟΚΑΣΤΡΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

This Mobility Plan entitled “Methods of Promotion and Development of Lakes Tourism in Lake Kerkini” concerns the training of students of the Informatics and Management and Economy sectors of the Siderokastro.

In recent years, our country has undergone a systematic period of economic and social crisis and the tourism industry can be the key driver of the recovery of the Greek economy. The unexplored natural beauties and the inexhaustible natural wealth of Greece prove that the tourism industry in our country has the bases, which together with the modern techniques of development, promotion, networking, communication and strategic marketing can be a strategic pillar to the local economic and social upturn, attracting new investment, boosting competitiveness and increasing employment.

Greece is a place that has a great wealth of natural resources and is untapped and untapped. With a view to protecting our environmental heritage, the economy of culture combined with state-of-the-art technologies creates a new field of entrepreneurship, while creating an integrated, diversified model of a tourist product that respects and highlights the identity of each region. By that aspect, this diversified model of cultural tourism is not well known is the lack of implementation and the absence of its organized and systematic promotion of cultural tourism (tourism marketing) and the non-use of new information technology - communication and marketing techniques.

In particular, through theoretical and practical courses, workshops, study visits and internships, the objectives and expected learning outcomes of the participants covered by this project and directly related to the needs of the labor market focus on the following:

- Understand strategies for promoting cultural tourism
- Specialization in Digital Technology and Communication applications with emphasis on cultural promotion of tourist destinations
- Contact innovative ways of cultural promotion of tourist destinations
- Deepening co-operation between the two fields - Environment and Marketing
- Understand European legislation on tourism and cultural tourism
- Understanding the importance of multilingualism in tourism professions
- Understand the importance of cultural tourism as a means of capitalizing on our country's cultural stock.

The beneficiaries of the Mobility Plan will be 20 students and 2 escort teachers who will travel for 14 days+ 2 days traveling in Barcelona, Spain, in agreement with the sending organization and the MOVEU host organization. The expected length of stay abroad is sufficient to meet the educational needs of the participants in order to acquire specialized knowledge on the issues of promotion of cultural tourism and how these European standards will be harmonized with the current developments of the local community of D. Sintikis and the wider periphery of Greece. Barcelona has been strategically chosen as its cultural tourism has been promoted through state-of-the-art electronic services and information systems.

After the completion of mobility, the expected impact on the participants will be the acquisition of knowledge and skills for the specific subject, the enhancement of formal qualifications (Europass Curriculum Vitae, Europass Mobility Certificate, Mobility Certificate) and their substantive qualifications and experiential education), strengthening their language skills and integrating their personality.

The proposed mobility action is considered to bring significant benefits not only to the participants but also to other groups that, through the diffusion, the page to be created and the e-Twinning platform, will get acquainted with this project. This will make full use of learning outcomes, contributing to both local and regional development. In conclusion, it will be a guide to good practice, pushing more organizations to participate in European activities.



**Κωδικός** 2019-1-EL01-KA102-062357

**Τίτλος Σχεδίου** Ψηφιακό Οινοποιείο: η Σύγχρονη Τάση στα Εμφιαλωμένα Κρασιά

**Συντονιστής** ΕΠΑΛ ΡΟΔΟΠΟΛΗΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ


The present project entitled “The production of a new generation of bottled wines with the use of new technologies” concerns the training of students of the fields of Agriculture, Informatics and Electrical Science of EPAL RODOPOLIS.

In the extremely difficult economic and social climate of Greece, which many sectors of the economy experience in the most tragic way, the sector of bottled wine can be a key sector of the economy producing high quality wines that can compete fully with international superpowers in the sector and the sharp increase in sales on the domestic and international market. The factors that play an important role in the production of an excellent quality bottled wine are the way of cultivating the vineyards and the conditions at the winery, the subject of a study that occupies the area of Rodopoli, where the RODOPOLIS EPAL is based, and is the center of a region famous for its wines (PDO product). The contribution of technology and information systems is crucial for the production of excellent quality bottled wines through the use of digital agriculture in vineyards and digital technology at wineries.

The beneficiaries of the mixed flow will be 12 students and 2 sessions, who will travel for 14 days in Barcelona and the wider Catalonia region, in consultation with the host institution, MoVEU and in cooperation with the Agricultural Research and Technology Institute (IRTA). The choice of Catalonia became strategically, as it has an excellent climate for the production of excellent grape and wine quality. The expected length of stay abroad is considered satisfactory to meet the participants’ training needs in order to acquire specialized knowledge on the subject of study and how these European standards will be harmonized with the current developments of both the local community of Kilkis and the rest of Greece.

In particular, the learning outcomes and learning outcomes for students are directly related to the needs of their vocational training and focus on the following:

1. Their expertise in digital farming and the use of new technologies in both digital vineyards and digital wineries.
2. The experience of education in a sophisticated European environment.
3. The transfer of good practices in Greece implemented in Spain at the level of production of bottled wines of excellent quality.
4. The acquisition of formal and substantial qualifications, making them competitive in the labor market
5. Strengthen entrepreneurship for professional recognition.
6. The experience of mobility that they can adopt to find work in countries of the European Union.
7. Their contact with other cultures and their ability to adapt to a multicultural environment.

- 
8. The use of English language and terminology in the specialized subjects of digital agriculture and new technologies in the cultivation of vineyards and in the production of wine at the winery.
  9. Developing critical thinking and adaptability.
  10. Understanding co-operation and synergy of specialties in order to produce excellent finished products.

After the completion of the main mobility activities, the expected impact on the students will be the acquisition of knowledge and skills for the specific subject, the enhancement of formal qualifications (Europass Mobility Certificate, Europass Mobility, Certificate of Attendance) and their essential qualifications (empirical and experiential education), the enhancement of their self-esteem, their active participation in social development and the development of their linguistic skills.

The proposed action can bring significant benefits not only to the participants but also to other target groups that through the dissemination (relevant website, participation in the Wine Festival, press, e-Twinning and Epale) will get acquainted with this mobility plan. This will make full use of the learning outcomes of the mobility project, contributing to both local and regional development. In conclusion, it will be an excellent guide to good practice, prompting more actors and organizations to participate in European actions.



**Κωδικός** 2019-1-EL01-KA102-062366

**Τίτλος Σχεδίου** Αρχαίες «Τεχνολογίες», Φυσικά Υλικά και «Πράσινη» Δόμηση:  
Τεχνικές και Προκλήσεις για μία Αειφόρα Οικοδομική Τέχνη

**Συντονιστής** ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΛΥΚΕΙΟ ΝΕΑΠΟΛΗΣ ΛΑΣΙΘΙΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The proposed mobility program for the 1st Vocational Lyceum of Neapolis (VLN), aims to become the starting point for the implementation of a wider, cross-border educational plan by the Lyceum. The plan will involve as a standard practice, the pursuit of EU funding and building a network of relationships with European partners that can provide professional training for our students, be they schools, innovative employers, or Non-governmental Organizations (NGOs).


The project envisions carrying out a hands-on educational training course in Cyprus, for 18 VLN students and recent graduates of the Department of Structural Works of our school. They will be accompanied by two of our professors. The host partner is a Cyprus NGO, Laona Foundation for the Regeneration and Conservation of Cypriot Countryside (Laona), a frequent participant in EU funded programs over the last 25 years. The choice of Cyprus offers similar geolo /cultural conditions, common language and the use of English in their construction work.

The course duration is 12 days (10 working days). It will take place at the Cyprus Perfumery Theme Park in Korakou, the only one of its kind in Europe, where the replica of an ancient perfumery is under construction using antique technologies (2,000 BC). The training curriculum envisages an immersion into the ancient “techniques”, and includes identifying, acquiring and utilizing natural, unprocessed materials, using this material for construction purposes, as well as implementing in the field their existing classroom knowledge. More specifically, students will attend seminars on construction site safety, materials selection for traditional construction, reading and understanding plans, field transposition and marking, and traditional construction, thereby utilizing their knowledge under real working conditions.

Additionally, the students will have the opportunity for educational visits to modern construction sites (e.g. marinas, tall coastal towers, etc..) enabling them to reflect on the location of these structures and how they could affect historical city centers. Lastly, students will visit sites of historical importance to Cyprus to become more familiar with the history of Cyprus.

The two partners, VLN and Laona, will prepare and sign the necessary cooperation agreement and will work closely together on preparation for the course. The preparations will be linguistic (familiarization with the English construction terminology, Cypriot patois), as well cultural (particularities of Cyprus, such as the military occupied areas, population mixture, driving on the left lane, gastronomy, etc.).

The quality of the program will be evaluated daily by the escorting teachers, by the Laona Foundation and by students themselves (through anonymous questionnaires). A 4-member ex officio evaluation committee will be formed by the two teacher escorts, a Civil Engineer and an educator from Laona. The host organization will be present in all planned activities, to resolve any difficulties or problems that may arise.



By the end of this mobility program, we expect that the participating students will be equipped with new knowledge and better understanding of theory-to-practice, from principles to implementation and that they will have developed important other skill sets such as: adaptability, ability to complete work under pressure and with specific targets, use of English construction terminology, co-worker cooperation, team solidarity and improved communication skills. Last but not least, and in conjunction with the concept of belonging to a united Europe, we place great importance in the continued immersion of our students in the active participation and ongoing creation of a better relation in Europe.

The results of our project will be publicized, following a specific dissemination strategy for informing most stakeholders and interested actors, such as: Employment Departments in the Lasithi District, Vocational Lyceum of Lasithi (Crete), Professional organizations and construction unions in Lasithi District, local Chambers of Commerce and Parent-School Associations, our teaching staff and all students. This dissemination strategy aims to increase the visibility of the Erasmus+ program and of its benefits for young people, teachers, schools and broader society, with reference to the exchange of new and innovative ideas, best practices, European identity, and respect to other cultures.

**Κωδικός** 2019-1-EL01-KA102-062369

**Τίτλος Σχεδίου** Ευρωπαϊκά Μονοπάτια Κατάρτισης

**Συντονιστής** ΔΗΜΟΣΙΟ ΙΝΣΤΙΤΟΥΤΟ ΕΠΑΓΓΕΛΜΑΤΙΚΗΣ ΚΑΤΑΡΤΙΣΗΣ ΠΕΡΙΣΤΕΡΙΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The IEK of Peristeri is an organization of initial vocational training in Greece, with long experience in vocational training as it is one of the first of its kind that were founded in 1993. Today it provides vocational training in post-secondary level for young people aged 18 +, who find it difficult to enter the job market, to help them to develop abilities and skills in order to enhance the prospects for their employment but also for already employees, who need documented cognitive skills onto the job subject. For the training year 2018-2019, through excellent qualified instructors and administrative staff members, it provided vocational training to about 600 trainees with 23 sections and employed 150 instructors.

As part of its strategy for continuous updating of the training with emphasis on quality, it intends to carry out, during the period 2019-2020, an Erasmus+ mobility program with the subject "European training pathways" addressed to the following 4 disciplines which work successfully and are in high demand in the job market. The trainees will participate in 4 corresponding flows of 14 beneficiaries +1 escort, as follows:

- 1st flow** "Assistant Nursery" in Romania with host partner the Athena Study and Training srl
- 2nd flow** "Physiotherapy Assistant" in Romania with host partner the Athena Study and Training srl
- 3rd flow** "Hairdressing Art Technician" in Italy with host partner the SISTEMA TURISMO srl
- 4th flow** "Technician of Culinary Art" in Italy with the host partner SISTEMA TURISMO srl

The mobility project involves 60 people from the IEK PERISTERIOU: 56 trainees 18-40 years, with high learning performance and great interest in their specialty and four escorts' members of the administrative or teaching staff with teaching, administrative and professional experience, very good knowledge of English, very good use of computers, excellent communication and cooperation ability.

### *Main objectives of the mobility project are related to:*

- supporting trainees in continuing training activities for the acquisition of knowledge, skills and experiences that will help them in their professional and personal development and will give them more opportunities in the job market
- developing networking and European dimension IEK, in order to create the culture for intercultural understanding
- enlargement of the linguistic and the cultural horizon of the participants through the stay in countries such as Italy and Romania

- the formation of professional awareness of the participants through their contact with renowned professionals and their involvement in a real working environment.

The methodology used in the project includes activities during the preparatory phase (selection of participants, practical travel arrangements, project management, quality assurance), during the implementation phase (participation in education and training activities) and after the implementation of the project (dissemination results and evaluation).

***For the expected results and impact of the project is expected:***

1. Participants should strengthen existing skills, training experiences and improve their career prospects, to develop horizontal and social skills, to build European cooperation networks, to adopt European values, to embrace an intercultural understanding, to improve their communication skills in English.
2. The D.IEK of Peristeri should form an educational environment attractive to trainees through the transmitted experience, to adopt intercultural values, to organize communication network with European business, to encourage language learning.
3. The partners should broaden their cooperation networks in Greece, to improve their services, to organize new programs in response to new training needs and internships.
4. The administrative and teaching staff of vocational training institute IEK Peristeri should benefit from the dissemination and transfer of knowledge and innovation from the participants, to encourage future participation in mobility activities, cultivation of language skills, strengthens European consciousness.

The potential long-term benefits of the project is the integration of IEK Peristeri in modern European standards, which are seeking quality, innovation and the promotion of employability, awareness of other organizations towards a culture of quality and innovation at local and regional level. This knowledge and experience will be transferred to Greece through various activities and presentations, to create incentives for lifelong learning and professional development for our country's students and educators.

**Κωδικός** 2019-1-EL01-KA102-062373

**Τίτλος Σχεδίου** Σπουδαστές με Ειδικές Ανάγκες, ως Μελλοντικοί Επαγγελματίες, Γνωρίζουν την Ουγγρική Κουζίνα

**Συντονιστής** ΕΕΕΕΚ ΙΕΡΑΠΕΤΡΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

This training plan, arose from the need for systematic organization of vocational education and training of students with special needs, with the aim to move successfully from school to life and consequently in vocational rehabilitation.

This training has as aim the improvement of the level of their basic skills and acquires new knowledge necessary in order after their studies to have more supplies for finding a job. Learning mobility and enhanced cooperation between the world of education and training and the world of work provide increased opportunities for future participation in the production process.


Host institution was selected "I am the best", the Agency headquartered in Budapest with the plan an acquaintance of persons with disabilities with the Traditional Hungarian Cuisine. Specifically, the program is aimed at learners of E.E.E.E.K. that specialize in Cooking and Baking-Pastry. Trainees who will participate in the program is a total of 6 and their selection based on the degree and type of disability, the self-service functionality and capability, their performance in the laboratory cooking-pastry, the year of studies (senior), the socio-economic status (persons origin from families with low socio-economic resources). Escort presence is necessary because of the special nature of the group of trainees and their needs. The way of education will rest mainly on visits to professional placements, and traditional Spanish food preparation workshops and internships in the form of a seminar on it.

The quality assurance and management that will be agreed between the institutions will be described in a preliminary agreement for cooperation and engages both parts to provide means and activities required to achieve the objective. Project management will be done in accordance with the agreed with the host institution (Letter of Intent) and heads of cooperation.

The program officer will monitor if the plan is implemented, the schedule is set and if the responsibilities undertaken by the collaborating institution are carried out in accordance with the proposal for cooperation. Upon completion of training will be evaluated throughout the effectiveness of the program and cooperation with the host institution.

The main purpose of the training is to provide participants with the opportunity of vocational training could be used to ensure their integration into the labor market and therefore the possibility for active professional and social role. In this way, improve employment opportunities and perspectives of participants with training, new experiences and information.

In parallel to this program contributes to the development of knowledge and professional skills to people belonging to socially vulnerable groups. Develop customization skills simultaneously, cooperation and communication with new people on the subject of their education.



The drawn up people through the acquisition of knowledge, practice and develop greater self-confidence to try to reclaim a place in the labor market and to integrate into society with their abilities.

Cultivated optimism that they are provided with equal opportunities in education, information and training in order to move from education to productivity.

This is of the utmost importance, as the ultimate objective is the smooth integration and acceptance of persons with disabilities from the social environment, in order to ensure equal opportunities, education and enhancement of their capabilities.

Surfacing so new data that require improvement of the provision of services based on the individual needs of persons with disabilities and strengthening cooperation of professionals and any associated with this site.

Improves the quality and increases cooperation between institutions and organizations that provide training opportunities throughout Europe and can lead to other future mobility programs. By exchanging experiences opened way for suggestions of new innovative practices in the field of education and in particular people with special needs and disabilities. The results will be recorded in order to exploit and disseminate.



**Κωδικός** 2019-1-EL01-KA102-062374

**Τίτλος Σχεδίου** Καλλιεργώντας δεξιότητες Πληροφορικής στη Βαρκελώνη

**Συντονιστής** 3<sup>ο</sup> ΕΠΑΛ ΠΕΡΙΣΤΕΡΙΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Modern reality in the workplace has high demands from vocational education, knowledge and skills. For this reason, one of the main challenges is to develop appropriate learning outcomes in order to provide trainees with a competitive professional profile to ensure their entry and stay in the workplace. In order for educational institutions to respond to the above-mentioned requirements, it is necessary to work together, based on a model of administration and operation that ensures the quality of the result.

“Quality” management primarily requires the response of human resources, which is a key element of educational organizations seeking extroversion and is of key importance. It is also related to training of teachers in the fields of specialization, education and use of new technologies and the improvement of linguistic the skills that affect this process. This means that every opportunity for professional development is a multiplier benefit for all the parties involved.

In this context, we designed the 15-day mobility action plan of our organization, aimed at three host organizations, in Barcelona, Spain, which provide services in key IT sectors such as Web development-Digital communication-graphic design.

The twenty-two participants from the IT Application Specialists will therefore have the opportunity to be trained in the basic set of IT applications by acquiring an overall view of the subject of their specialty.

The participants’ choice was based on an initial assessment of their knowledge and skills as reflected in their existing marks in the specialty and oral interview classes in which their motives and goals were explored by their participation in the action.

The accompany teachers were selected by the school administration on the basis of the ability to achieve the projected impact on the organization’s internal and external environment. The opportunity to interact with multicultural work environments will enable participants to acquire skills for effective integration into workplaces characterized by cultural diversity while at the same time cultivating the feeling of European citizenship.

**Κωδικός** 2019-1-EL01-KA102-062375

**Τίτλος Σχεδίου** Ανάδειξη Επαγγελματικών και Επικοινωνιακών Δεξιοτήτων μέσα στον Εργασιακό Χώρο

**Συντονιστής** 2<sup>ο</sup> ΕΠΑΛ ΝΕΑΣ ΦΙΛΑΔΕΛΦΕΙΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The 2nd EPAL of Philadelphia has a rich work to perform in an economically and socially depressed area in Athens. About 35 teachers work there covering the Graphic Arts, the Finance and Administration, the Assistant Nursing and the Nursing Assistants sectors. The pupils of our school have participated in dozens of mobility programs in Greece and abroad, as the teachers' club pursues with these programs a holistic approach to the educational process.

Particularly nowadays, when cultural reality penetrates the narrow boundaries of national education, the participation of our students in such mobility is going to act as an experiential approach to precisely these intercultural educational and professional practices that we seek through the curriculum to infuse our students, but also to upgrade the quality of the educational work being provided.

We hope that this action will bring all the participants into direct contact with the subject of their studies, through their practical work, and in a differentiated linguistic and cultural environment. This particular mobility has the specificity of including three of the four areas mentioned in the subject-areas taught in our school and, in addition, the hosts of our students are well-known Milano companies with relevant experience in Erasmus+ mobilities. In this way, the curriculum for the direct approach to a real-world environment for all participating pupils and teachers is being served.

The choice of students will be based on strict criteria both educational (performance, proven interest in the subject) and social (people with limited opportunities and persons belonging to social exclusion groups). The preparation of the pupils will be done by the manager, the teachers of the school and especially the school attendants and the attendance of the participants will be implemented both by the hosts and by the accompanying teachers who will be in direct and full cooperation with these bodies.

The whole program will help our students as well as our educators through the participation, empathy and comparative approach of working environment practices in a neighboring country, but which has to show a clearly differentiated culture in dealing with professional object that our students are studying.

**Κωδικός** 2019-1-EL01-KA102-062376

**Τίτλος Σχεδίου** Κατάρτιση Σπουδαστών και Επιμόρφωση Προσωπικού στις Βέλτιστες Πρακτικές της Επαγγελματικής Εκπαίδευσης και Κατάρτισης στην Ευρώπη

**Συντονιστής** ΔΗΜΟΣΙΟ ΙΝΣΤΙΤΟΥΤΟ ΕΠΑΓΓΕΛΜΑΤΙΚΗΣ ΚΑΤΑΡΤΙΣΗΣ ΝΑΥΠΑΚΤΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ


The main objective of the Mobility Plan is to train students and the staff of Public Institute of Vocational Training of Lepanto in a new European working environment, resulting in the best running of the Public Institute of Vocational Training.

The specific objectives are to support learners in acquiring skills (knowledge, skills and attitudes) in the field of Beauty Art and Cooking, to train Vocational Training Institute staff on the best practices in Vocational Education and Training in Europe, to improve skills of participants in learning English, to enrich their knowledge and to become familiar with the cultures of Italy and Germany.

The first flow of the Mobility Plan of Lepanto aims at sending 10 students of the "Beauty Art and Make-up Techniques" specialty in Italy and staying there for 2 weeks where they will be trained in modern aesthetic body techniques in hydrotherapy and wellness centers (SPA). The second flow of the project proposes the training of 10 students of the specialty "Cooking Technician-Chef" in traditional Italian cuisine in Milan for 2 weeks. The age of the students of both flows are from 20 to 40 years of age, they belong to middle economic and social strata and they speak English at B2 level.

The participants in the training program in Italy will enrich the knowledge they have already had with new knowledge and skills they will acquire through training and technical visits. In particular, they will acquire specialized professional skills that provide students competitive advantages in the field of beauty art and culinary art, acquaint themselves with a new professional environment that is highly competitive and demanding, which will contribute with specialized knowledge, skills and attitudes to the practice of their profession. Escorts and people in charge of the host are required to check the presence of students at the workplace and the improvement of their skills on a daily basis. The third flow of the project proposes the training of Vocational Training Institute trainers and administrative staff on the best practices of Vocational Education and Training in Germany. The training will take place at the training center of WBS TRAINING in Dresden, which will prepare a weekly program for this purpose. The 8 participants will be teachers of various specialties having as a common interest the field of Vocational Education and Training, with years of experience in adult education, holders of postgraduate diplomas, certified computer literacy skills and B2 level English language skills.

The host organization will allocate a person who will monitor the progress of each participant and inform the project coordinator. Participants in the training program will discover the best practices of modern dual Vocational Education and Training in Germany and will improve their knowledge in designing a future vision of vocational education and training at the Public Institute of Vocational Training of Lepanto. In addition, participants in all three project flows will learn about the culture, history and customs of a new European country and develop relationships of cooperation, trust and friendship with



colleagues and employers in Europe. The Mobility Plan will have an impact on local, regional and national level. Initially, the curriculum of the specialty "Beauty Art" will be enriched with new ideas and practices adopted by other countries of the European Union. At the same time, via the internship in the new European working environment, the practices followed in the preparation of traditional Italian dishes within the local, regional and national boundaries will be improved.

The improvement of the qualifications of trainers, administrative staff and students and of the procedures of recognition and validation of knowledge acquired during periods of education abroad will also be important. The approval and implementation of the program will also have an impact on a European level, resulting in the strengthening of the cooperation with partners from other European countries, the increase of the capacity of working in the field of beauty art and cooking industry on a European level and finally the improvement of the quality in the preparation, implementation, checking and monitoring of European projects.

**Κωδικός** 2019-1-EL01-KA102-062377

**Τίτλος Σχεδίου** Σκηνοθεσία και Κοινωνικός Αποκλεισμός στη Βαρκελώνη

**Συντονιστής** ΔΙΕΚ ΚΗΦΙΣΙΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The Public IEK of Kifissia proposes a 16-day mobility in Barcelona with 15 students filming technical assistants and two accompanying instructors. Estimated implementation period is the first half of December 2019.

The subject of the mobility is filming social exclusion in Barcelona. The host organization is the non-profit organization ASOCIACIÓN OPEN ART, which will educate students on filmmaking techniques and give them the opportunity to produce mini-videos to raise awareness on the lives of people facing marginalization. The host organization was chosen because of its knowledge of the subject, its previous experience with Erasmus+ students, its promotion of interculturalism, solidarity and protection of human rights, and its previous involvement in assisting contemporary directors to raise public awareness through social documentaries and innovative artistic works.

Students will be selected on the basis of questionnaires on their motivation and their interest in the educational process and the accompanying teachers on the basis of their commitment to support the program and to make use of their experience for future mobility. A pre-departure seminar will be prepared to enable participants to get detailed information on the different living and working conditions in Barcelona and the terms and conditions of the internship.

The students will be trained in the filmmaker's approach in using the equipment and infrastructure, designing directories, digital editing, image and sound processing, using relevant applications and software, and capturing scenes of city life about social exclusion and the homeless. In this respect, the Erasmus+ program is not only used as a training tool but also promotes the European values of solidarity, social cohesion and active civil society.

The proposed mobility fulfills its technical-educational role and at the same time it is also a tool for raising students' awareness to human rights issues. By using applied directing techniques and in touch with the once-evident and sometimes obscure reality of social exclusion in a big city, they will be trained in creating small videos of awareness of the living conditions of our fellow humans.

In addition to the practice, a program of afternoon leisure activities will be organized to complement the practice and familiarity with the Barcelona cultural heritage. Because of the theme chosen, even a simple walk in the city can be an opportunity to capture even through a cell phone moments of homelessness, images of people living in the streets or volunteers that through social organizations offer survival and reintegration to people who need support.

The evaluation will include, in addition to questionnaires and before and after mobility differences in skills, individual student ratings by the host organization supervisor in charge of the mobility.

The value of the program will be multiplied by the diffusion of its outcomes, which will take place in and out of school, to students, educators, third parties, cinema operators, web sites, and through the EPALE portal disseminating the results of the program.

**Κωδικός** 2019-1-EL01-KA102-062378

**Τίτλος Σχεδίου** **Επαγγελματική Κατάρτιση: Η Μαγειρική Τέχνη στη Μεσόγειο (Πορτογαλία και Ισπανία)**

**Συντονιστής** ΔΙΕΚ ΔΥΤΙΚΗΣ ΕΛΛΑΔΑΣ-ΑΧΑΪΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

### *The Current Situation*

In our time, the labor market of European countries suffers from high unemployment rates and, combined with the phenomenon of labor mismatch paradox, it is increasingly necessary to update the methods and techniques that a practitioner knows, as well as the acquisition of augmented qualifications to cope with a demanding labor market whose needs constantly change. Due to the economic recession and the "fear of unemployment", job search now exceeds the boundaries of national countries and more and younger people are looking for work in another EU country. There are evidences, from reports from the labor market, that demand is high in the specialized «Mediterranean cuisine».

### *The Frame*

Erasmus+ Program, Key Action 1 (KA1): Mobility of people with the main objective of reducing unemployment by 2020.

### *The Need*

Specialization and the "fear of unemployment" lead to the established need to acquire enhanced personal and professional skills and competences of future workers in the current competitive labor market.

### *The Proposal*

Movement of two streams of trainees from the DIEK into groups of 10 people + 1 accompanying teacher, in Portugal and Spain with a duration of 16 days (14 placement + 2 voyages). Students are adult students attending the Public IEK, aged 25 to 35, most unemployed. The specialty of the teams to be moved is: 1 st flow, 10 Art Cooks - Chefs in Braga, Portugal with 1 accompanying teacher and 10 Art Cooking Technicians - Chefs. (Chefs) in Cordoba, Spain with 1 accompanying teacher.

### *The Goals*

- Improve the skills and abilities of the participants, both at the professional and at the individual level.
- To acquire new knowledge and experience that will make them flexible professional tools and skills that will facilitate their absorption from the labor market.
- Improve and develop the use of the English language.
- Developing a network of contacts and partnerships.
- Getting acquainted with Erasmus + and the EU.
- To compete in finding work in Greece and abroad.



## *The Activities*

Fourteen (14) days of placement in equivalent organizations. 2 specialized seminars for each flow, by experts. Two (2) Technical Visits to corresponding structures. Cultural activities in leisure time.

## *The Methodology*

The methodology for project management will be formative, from a mission coordinator's committee and trainees' participation, so that feedback can be provided at each stage of its implementation and a continuous improvement in the results. Co-operation with host organizations and placement agencies is reinforced. Associate assistants and supervisors assist in the smooth running of the project. Link with other members of the coordinating team in Greece, is also pursued.

## *The Objectives and The Consequential Results*

### **For trainees to:**

- increase their employability to facilitate their professional rehabilitation.
- acquire new knowledge, experience and competences in their specialties so that they are able to respond to the growing demands of the labor market and acquire skills in new European fields directly linked to the specialty they are attending.
- be inspired by mobility to keep up-to-date and keep track of developments in their industry.
- develop and strengthen their individual skills - competences as well as personalities such as: self-esteem, critical thinking, self-confidence, solidarity, understanding, responsibility, sociability, co-operation.
- Exercise the English language and especially the terminology related to their specialty and get to know the Portuguese and Spanish.
- Familiarize with the culture, history and culture of host countries.
- know the Erasmus + program and the EU.
- acquire standard supplies such as Europass Mobility.

### **For staff to:**

- acquire organizational and administrative skills for European programs.
- develop their individual experiences, skills and abilities.
- Develop contact networks with individuals and organizations abroad.

### **For the stakeholders:**

- development - extension of a network of cooperating institutions with the abroad.
- Strengthening their reputation and their contribution to the wider society.
- improving their services.

## *Dissemination of Results*

Throughout the course of the project and with particular emphasis on the end of the project, all necessary actions will be taken to disseminate the results and good practices that will emerge to benefit as many target groups as possible, as well as the wider public. All the appropriate media, printed and electronic, on local, regional and national networks will be used.

**Κωδικός** 2019-1-EL01-KA102-062379

**Τίτλος Σχεδίου** Τεχνικές Κατασκευής και Συντήρησης Κοιμηβητικών Δεξαμενών

**Συντονιστής** ΔΙΕΚ ΔΥΤΙΚΗΣ ΕΛΛΑΔΑΣ-ΑΧΑΪΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The program was designed based on the needs of the local labor market - after discussions with the Chamber and the Association of Hoteliers & Tourist Agents in Zakynthos - regarding the demanding specialties as well as the specialized skills required for employment in the tourism sector.

The tourist development in the island has increased in recent years, with the increase in tourist accommodation as well as the competition of tourist accommodation providers. Thus, the services they offer to lure potential customers are constantly strengthened, so we can see that the smallest tourist accommodation has swimming Tanks beyond the main but also individual.

Based on the current need of the Zakynthian labor market, we have designed the program entitled "swimming pool construction and maintenance techniques", which aims to provide the necessary knowledge and skills to integrate trainees into the labor market and enhancing their employability.

The plan will involve 32 people (16 per flow) for 16 days to go to Portugal.


The subject of training refers to specialties related to the construction and maintenance of swimming pools related to sectors / specialties:

1. Structural Works, Structured Environment and Architectural Design (Construction Engineer)
2. Electrical, Electronic and Automation (Electrical Systems, Installations and Networks Technician)
3. Mechanical Engineering (Thermal and Hydraulic Installations Technician)

### *The program is based on two strands:*

1. In the Construction of Swimming Tanks concerning the specialty of Construction Works &
2. Installation and maintenance of electrical installations related to the specialties of engineers and electricians

We then went for a transnational partner but also for a country where we could find similar growth in terms of tourism and the existence of swimming pools. So we ended up in Portugal that has developed tourism but also has many lodgings with swimming pools due to the fact that there are no shores for swimming, so there are corresponding specialties involved in the construction - maintenance and operation of swimming pools. The Associação Intercultural Amigos da Mobilidade Host Partner has great experience in training programs and has drawn up a comprehensive training program with internships in companies with great know-how.



The purpose of the project is to educate the participants in the construction and maintenance of swimming pools and the proper use of chemicals for the safety and hygiene of bathers. Participants will have the opportunity to have an integrated information and know-how on the construction, operation and maintenance of swimming pools.

The training will take place in addition to the theory of the host institution, construction companies, maintenance companies and large hotel units that have garages. The timing of the project is in March 2019, when the rehabilitation and maintenance of swimming pools is being carried out.

***The specific objectives of the proposal are to:***

- Know the construction specifications of swimming pools
- Design dimensions, depths, calls
- Choose the right materials to ensure the hygiene of swimmers
- Control the water quality
- Know the recirculation, refining
- Place the lighting system
- Control and adjust the machines for proper operation
- Repair any damage
- Repair a pool with autogenous membrane welding with insulators
- Manage pool chemicals (Correct Use of Chemicals)
- Know how to renovate the engine room and the surrounding pool area.

***The project will help the professional and personal development of the participants; in particular it will contribute to:***

- Further develop their professional features and skills
- Creation of employment opportunities for the construction and maintenance of swimming pools
- Enhancement of their employability
- Encourage their adaptability
- Assimilation of innovations and know-how from countries outside the country
- Developing team spirit, collaboration and adaptability
- Increasing the level of self-esteem and sense of security
- Development of critical competence and mature thinking

Finally, the project will help to improve the intercultural and language skills of the participants.

**Κωδικός** 2019-1-EL01-KA102-062382

**Τίτλος Σχεδίου** Στοχευμένη Πρακτική Άσκηση στον Τομέα της Συντήρησης και Λειτουργίας ενός Αιολικού Πάρκου

**Συντονιστής** 2<sup>ο</sup> ΕΠΑΛ ΠΑΤΡΩΝ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

This proposal is submitted by the 2nd EPAL of Patras (Secondary Vocational School), which has a number of 248 pupils and 46 teachers and supports the following fields: Electrical Engineering, Electronics and Automation, Mechanical Engineering and Applied Arts.

The staff of the pedagogical team in collaboration with the students, who decisively contributed to the development of the final proposal, suggested to the Association of Teachers and received approval for the organization of the following mobility project entitled "Targeted practical training in the field of maintenance and operation of a wind park". "The duration of the project is 12 months. Mobility will take place for 16 days in Barcelona, Spain and will be attended by 14 pupils aged 16-18 (mainly) from the third and second grade, from Electrical and Electronic Engineering sector. Most of them come from lower socio-economic strata, with limited skills, lack of foreign language knowledge, low self-esteem and self-esteem and confidence. They are lacking the contact with the labor market, they don't have work identity and most importantly, no provision of these traineeships. Therefore, the need for participants to access the specialized knowledge and training, practicing and developing skills in real workplaces is evident.

The basic aim is to acquaint students with objects and cutting-edge technologies that are missing from the curriculum. Milestones expected to be implemented are:

- 1) Development of professional skills and abilities to the students of the above sectors
- 2) Increase the quality rendered Vocational Education / unloading connection with the labor market, increase innovation
- 3) Development of professional interests, self-esteem, communication / cooperation between students
- 4) Strengthening of the European Dimension
- 5) Learning about the culture of Spain.

The aim is for the project to lead to easier professional rehabilitation of students, to improve the quality of the Professional Education while enhancing its attractiveness. Students will acquire Europass certificate and will be disseminating / exploiting the results in the student community and the wider society. Students will put into practice the knowledge acquired in school.

*The project will help students develop a more complete picture of:*

- 1) The skills required by the labor market
- 2) The employment opportunities
- 3) The ability to adapt to the demands of the new labor market.

The institution in Barcelona is M & M Profuture Training, S.L., a modern educational organization with extensive experience in managing training programs. It has a huge network that allows it to get in touch with other agencies, with foreign partners, with the labor market.

The expected impact of the project participants are: to acquire new knowledge, experience, abilities and skills into new areas of expertise, increase their employment capacity, to facilitate their professional integration, to meet and learn from close qualified professionals in their field of another European country, be provided with inspiration and motivation to develop and strengthen their individual abilities and aspects of their personality, such as: self-esteem, confidence, self-preservation, solidarity, understanding, accountability, reliability, critical, sociable, open to cooperation and functioning in a group, to practice English, get to know the history, culture and the culture of another European country.

Finally, for dissemination they have made all the necessary arrangements of the results obtained (workshop, posts on websites, social media, printed materials, etc.) and the viability of the project (creating courses, work sheets for subsequent students, production of audiovisual, etc).

**Κωδικός** 2019-1-EL01-KA102-062386

**Τίτλος Σχεδίου** Η Ευρωπαϊκή Οπτική του Επιτυχημένου Επαγγελματία

**Συντονιστής** ΔΙΕΚ ΣΙΝΔΟΥ

**Διάρκεια Σχεδίου** 14 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The current mobility plan, generally entitled “The European vision of the successful professional”, is proposed within the realm of the necessary and constant growth and update of the offered by our Organization vocational training and its adaptation to the ever growing demands of the modern European markets. All participants that will benefit from this plan are trainers, executives of administration and trainees of DIEK of Sindos.

The plan is consisted of three mobility streams and is a joint venture between the DIEK and the following partner organizations:

- α) Euneos Oy, based in Helsinki, Finland
- β) Amadeus Verein Fur Transnational Bildung, based in Vienna, Austria, and
- γ) CO.EUR.- Associazione di Consulenza e Formazione Europea, based in Ascoli, Italy.


Our goal for all three streams is the enforcement of the competitiveness of our training programs, the professional growth of our students and trainers and their adaptation to the new European Professional Environments, with the ultimate goal of internalizing of the training services via their familiarization and emulation with the foreign working environments, mainly by their real-time training, and finally the change in their stances and vocational behaviours in the route of the European professional Practices.

### *More specifically by each separate stream:*

**1st mobility stream:** Administrative executives and trainers of DIEK of Sindos with 10 participants (executives and trainers) that will travel to Finland to participate in a structured learning program called “Coaching strategies for schools-turn change intro long lasting education benefits” which is focused on modern teaching methods and leading approaches, in order to upgrade and facilitate the general administrative management by our staff. The participation in the program will be very useful in helping their work, as well as their vocational growth and adaptation to the new international working environments, which is crucial for all employees, organizations and services of each country.

**2nd mobility stream:** Aesthetics and Makeup experts with 21 students of the Aesthetics field of our DIEK that will travel to Vienna, Austria for 14 days, in order to participate in a training program, called “The familiarization with the Austrian market in the field of the Aesthetics profession”. The plan will be materialized with the guidance of our hosting partner and the cooperation with the famous Austrian Beauty Services and Spa facilities Schönheits & Vital Center Beauty Fashion. Combined with the tour and local exhibitions in the facilities, where a vast number of Aesthetics and makeup services are of-





ferred, and in conjunction with our students' Practice in real time working conditions, the act is consisted by a series of visits in the local beauty and makeup market, as well as the most popular Medical Aesthetics companies, nail services and makeup salons.

***The act is targeted to:***

- widening the knowledge base of the professional Aesthetician candidate and their familiarization with the beauty market of the host country, in order to enforce acts for further specialization in the fields of the Aesthetics Profession.
- cultivating a new vocational culture and professional adaptation in the European patterns, via offering new, innovative and competitive beauty services
- indulging to a new working culture, which is different from the Greek market, via their real time practice.

**3rd mobility stream:** Cooking/Chef Professionals. The 21 of our future Chefs will travel to Ascoli and Rome, Italy for 14 days, in order to participate in a specialized training program called "The European Vision of the Professional Chef". The act will take place with the guidance of our host partner CO.EUR.- Associazione di Consulenza e Formazione Europea and is consisted of both theoretical and practical training with the form of various seminars and practice in restaurant facilities of well-known companies in real time working conditions.

- This act is targeted to:
- enriching the knowledge base of the future Chef, via their contact with new cooking practices
- comparing the working environment of another European country, which targets people with different tastes and eating habits, which will ultimate fortify the future Chef's perception of what should be offered -while they learn from already established professionals – towards the adaptation to the new European organizing and working management patterns.

**Κωδικός** 2019-1-EL01-KA102-062389

**Τίτλος Σχεδίου** Ψηφιακές Δεξιότητες και Διαδραστικά Ηλεκτρονικά Μέσα ως Εργαλεία Ανάπτυξης της Σύγχρονης, Βιώσιμης Νεανικής Επιχειρηματικότητας, με Σκοπό τη Μείωση του Κινδύνου του Κοινωνικού και Οικονομικού Αποκλεισμού των Νέων από την Αγορά Εργασίας

**Συντονιστής** 5<sup>ο</sup> ΕΠΑΓΓΕΛΜΑΤΙΚΟ ΛΥΚΕΙΟ ΗΡΑΚΛΕΙΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The participants are students of the third grade of the 5th Professional High School of Iraklion, with knowledge of the level of Secondary Education, but with special emphasis on the specialty courses. The participants (15) belong to the following fields: Agriculture, Informatics, Applied Arts, Physical Education, Physical Education, Construction, and Electrical Engineering. Country of destination Lithuania.

Youth unemployment is a serious problem for both developed and developing countries and is the predominant reason for social exclusion and poverty. From this point of view, the overall objective of the action is to alleviate youth unemployment and marginalization of young people with fewer opportunities in Europe by fostering cooperation and exchange of good practices to promote young people's entrepreneurship from an economic and environmental point of view.

The proposed project responds to this vision of creating a modern, attractive vocational education and training system that, among other things, provides more opportunities for experience and training abroad to enhance language skills, self-confidence and adaptability of learners. This program will give pupils motivation and vision, that there are different and successful practices in other European countries, if they know them and follow them, from llagmenoi of conservatism and caution will certainly succeed, turning to youth entrepreneurship in the ICT - new technologies - digital skills. The implementation of this program, we believe will benefit the trainees of local and wider society and all those involved.

### *The objectives of this project are as follows:*

- The acquisition of technical and professional expertise in youth entrepreneurship issues is a factor of particular importance for the development of a place but more for those directly involved by applying the acquired training in the areas of their future businesses to obtain economic, social, cultural, and moral benefits.
- To encourage the development of professional skills of students through experiential contact with real business.
- Inform and educate students about their educational and professional choices.
- Improving their knowledge and skills through the proposed training is a basic prerequisite in their efforts to increase their business efficiency (Learning Through Experience).

- To foster the enhancement of pupils' skills, skills and attitudes so that they become aware of their social responsibility as future professionals who have to serve the common good and respect the environment.
- Interesting different concepts and innovations in the field of technology (ICT - new technologies - digital skills) will be used as an incentive for their search and application in their local environment by overturning traditional and obsolete methods.
- Familiarizing them with a different cultural and social environment will help them understand the differences but also the necessity to change their many traditional perceptions.
- Promoting strategic cooperation between youth organizations, public authorities, education and training organizations, - business representatives, and labor market representatives.
- To improve knowledge, ICT - new technologies - digital skills and behaviors related to their professional subject.
- To learn to communicate adequately with appropriate professional terminology in English.
- To become more confident about their knowledge and skills so that they can more effectively claim their professional rehabilitation in the demanding European labor market.
- Familiarize yourself with the concept of continuing education and lifelong learning.
- Improve transversal skills related to teamwork, quick adaptation, pressure work, effective communication, etc.
- Be aware of and appreciate common European values.

As far as the school community is concerned, the implementation of the proposed project is expected to:

- It will strengthen the European, intercultural orientation of the school.
- It will contribute to the improvement of the vocational education provided by the school.
- It will increase the attractiveness of the school, contributing to increasing its student potential.
- Facilitate and promote co-operation with other VET institutions in Europe, as well as interconnection with European labor market operations.

**Κωδικός** 2019-1-EL01-KA102-062390

**Τίτλος Σχεδίου** Νέες Τεχνολογίες και Νέες Πρακτικές στον Τομέα Υγείας

**Συντονιστής** ΙΝΣΤΙΤΟΥΤΟ ΕΠΑΓΓΕΛΜΑΤΙΚΗΣ ΚΑΤΑΡΤΙΣΗΣ ΒΟΛΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Recent advances in technology have restructured medical care so that new technologies and new therapies today offer patients a range of benefits such as early diagnosis, faster recovery, much shorter hospitalization and therefore a quick return to their everyday life. Apart from the better quality of life of patients, the benefits of using medical technology achievements make the health system more efficient, as the patients' stay in the hospital is reduced while at the same time less employment of the medical staff is achieved.

The adoption of modern medical technology and new practices has socio-economic implications such as increasing productivity and in particular life expectancy. The new drugs and the improvement they bring to treatment, the new technologies in diagnosis and treatment, the organization and financing of Health Systems and the management of medical information result in structural changes in the whole system of medical and nursing care in our country.

The reasons for this project are the satisfaction of the recorded training needs of the Public Vocational Training Institutes of Volos, who belong to the Department of Health and Service with specialties "Physiotherapist Assistant" and "Pharmacist Assistant". Trainees should be aware of the state-of-the-art technological environment in their field, the sustainable and integrated management of health care, the quality assurance and the improvement of the socio-economic impact of the high quality of services provided in the health sector. Responsible for the submission, coordination and management of the project is the Volos Vocational Training Institute (IEK VOLOS).

The aim of the program is for the participants in the target group to acquire knowledge, skills, experiences concerning both organization and treatment with new modern techniques and practices. According to the Alma - Ata Declaration, the European Union's first choice is the new direction in the provision of health services, which takes into account the challenges faced by health systems in conjunction with the rapid technological developments in the field, as well as new therapies applied to countries in Europe with impressive results.

The project will be implemented in two (2) flows, in each expected to participate fourteen<sup>14</sup> trainees and two (2) accompanying instructors from IEK Volos Health sector, lasting two weeks each in Lisbon, Portugal and Rome/Ascoli di Pisceno, Italy.

In the project, per flow, provided a theoretical training program and practical study by scientific staff, thematic and technical visits and trainings to organizations and companies using innovative techniques and practices in healing, health rehabilitation, exchange of experiences and good practices, internship of students to companies in the industry that will make a significant contribution to the understanding of training topics as well as Cultural Visits. Trainees will also be involved in the preparation and dissemination activities of the project results.

*The results of mobility which the development of the project aims are:*

1. Practical visits, technical visits and training of students in the workplace to acquire professional skills in hospitals, day care centers, rehabilitation centers, public health prevention and the monitoring of innovative methods and technological practices for the treatment and restoration of health.
2. Practice English in professional communication level.
3. Obtaining supplies / skills to facilitate their integration into the constantly labor market.
4. Personal development as well as familiarity with the culture of the peoples of Europe.
5. Open abroad IEK of Volos.

The project's Extended Dissemination Strategy provides for the creation of a favorable climate for the development of skills and competences in technological applications in the field of health at local and regional level, the transfer of good practices, the search for new technological solutions and practices and applications on medical care , acquaintance with new technological solutions in therapy, new techniques for improving the quality of life of patients, developing relationships and transnational partnerships, U openness in local community partnerships search both local and regional and European level.



**Κωδικός** 2019-1-EL01-KA102-062392

**Τίτλος Σχεδίου** Κατάρτιση Μαθητών για την Ανάπτυξη των Προσόντων και των Ικανοτήτων τους με Στόχο να Ενισχυθεί η Ανταπόκρισή τους στις Ανάγκες της Αγοράς Εργασίας

**Συντονιστής** ΕΡΓΑΣΤΗΡΙΑΚΟ ΚΕΝΤΡΟ ΑΓΡΙΝΙΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

This Erasmus mobility project of the Laboratory Center of Agrinio, includes seminars and targeted visits to companies to acquire knowledge and develop students' skills in thematic fields according to the specificity of the participants.

The program will take place in 2 flows, a flow for students in the sector of agriculture and a flow for students in the sector of vehicles. The general objectives of the program are:

- Improving knowledge-skills-competencies relevant to their specialty
- Developing practical skills in companies of their specialty
- Expanding practical skills that meet the needs of corporate communication development
- Sensitization to the modern requirements of the labor market
- Encouraging the creation of new businesses


The first flow, entitled "Organic Agriculture", concerns 16 students in the sector of Agriculture and will take place in the educational center of EkoConnect - Internationales Zentrum für den ökologischen Landbau Mittel- und Osteuropas e., in Germany.

The duration of the mobility will be 16 days.

Organic farming is an agricultural system that seeks to provide the consumer with fresh, delicious and authentic foods while respecting natural life cycle systems. To achieve this, organic farming is based on a number of objectives and principles, as well as on common practices aimed at minimizing the human impact on the environment while ensuring that the agricultural system functions as normally as possible. However, organic farming is also part of a larger supply chain, including food processing, distribution and retailing.

### *Participants will learn the usual practices of organic farming such as:*

- The limits on the use of chemical synthetic pesticides and synthetic fertilizers, animal antibiotics, food additives and processing aids and other inputs
- Utilization of on-site resources, such as livestock manure for farmyard manure or animal feed
- To select plant and animal species which are resistant to the disease and adapt to local conditions?
- To increase livestock in free, outdoor and organic feed systems
- For livestock practices for different types of livestock



The host organization, EkoConnect, was established in 2003 as a non-profit organization. Its offices are located in Dresden and are one of the leading organisms of Central and Western Europe for organic farming. It works with experts from all over Europe to create powerful structures in the field of organic products. It seeks the sustainable development of organic farming in Central and Eastern Europe and the simultaneous development of the countryside through the creation of a platform for all those involved in organic farming.

The second flow, entitled “Newest technologies in Automobile”, is addressed to 16 students in the field of vehicles and will take place at INFOL - INNOVAZIONE FORMAZIONE ORIENTAMENTO e LAVORO in Italy. The duration of the mobility will be 16 days. Vehicle technology advances at a rate that some describe as almost biblical. The automotive industry is continually using innovative technologies. Many products related to car technology have already been presented, but some of them have not yet been launched, each of which will revolutionize the automotive industry.

In this training, participants will be informed about FSI-COMMON RAIL technologies, OTTO, DIESEL, computer systems, Plug-in Hybrid Vehicle (PHV) technologies, CAN-BUS multiplexing systems etc. They will also be informed of new developments in the vehicle industry, such autonomous vehicles that are self-drive cars using different cameras, sensors, laser scanners, EPS engine, and brake actuators. Also for the networking of cars, active safety, communication between cars.

The host organization INFOL works with businesses, organizations, associations and foundations with a clear goal of innovation, training, guidance and work. For the practical training of students in the field of vehicles, he works with very large and specialized players, such as Rome’s historic Romana Diesel Company, which maintains a state-of-the-art complex of more than 140,000 square meters, employing more than 350 workers and the well- internationally recognized in the IVECO range.

Finally, this Erasmus plus mobility program will enable students to improve their language skills, enrich their curriculum vitae and learn about the culture of another country, become more aware of the demands of the labor market and understand its importance lifelong learning.



**Κωδικός** 2019-1-EL01-KA102-062395

**Τίτλος Σχεδίου** Μία Νέα Αρχή για το 6<sup>ο</sup> ΕΠΑΛ Πάτρας

**Συντονιστής** 6<sup>ο</sup> ΕΠΑΛ ΠΑΤΡΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Within the framework of the quality for the development and internationalization of our school, it is a vital need to become attractive and respond to the requirements of the labour market in order to facilitate the transition from school to work and to improve the career prospects of graduates either in Greece or abroad.


### *The aims of our project are:*

- improving our students in specific vocational skills,
- improving our pupils in basic skills and above all communication skills in foreign languages, digital skills, increasing self-esteem and intercultural awareness,
- cultivating the spirit of initiative and entrepreneurship,
- strengthening the international dimension of our school,
- improving transparency and recognition of qualifications and competences, including those acquired through non-formal and informal training,
- improving the skills of teachers in dealing with cases of school violence,
- improving social skills, communication skills, teamwork and collaboration, adaptability, problem solving (soft skills).

The project is titled "A New Principle for the 6th EPAL of Patras" and involves the placement of 20 students of the Health-Providence-Wellness Sector and the IT Sector for 2 weeks in workplaces in Milan, Italy, and the training of 10 teachers of the school for 5 days in a seminar on school mediation entitled "Conflict mediation: innovative approaches to teaching".

We hope that it will significantly contribute to the training and professional development of our students because it will enable them to get acquainted with their specialization and work on their subject, they will actually see a workplace and have a chance to do what they have been taught. This will be certified under ECVET. The main activities of the program include work placements.

More specifically the students, the 4 Nurse Assistants and the 3 Physiotherapy assistants will be placed at the Medical Center Pronto Medico and will cooperate with the rest of the therapeutic team by taking care of the patient in his daily activities and in his social interaction. The 3 kindergarden Assistants will be placed at Scuola Montessori Casa dei Bambini to make creative Activities with children of a different cultural environment, artistic constructions and music-kinetic activities with hand-made instruments, learning games. The 3 Beauty Aesthetics Assistants will be placed at Centro Estetico Anna Anca and



will provide aesthetic care, makeup, nail treatment and adornment with natural or artificial means. The 3 Hairdressers plus 1 from the apprenticeship will be placed in the Belvedere Hair & Beauty Bumble. Finally the 7 IT specialists will be placed in PC ONLINE Assistenza e riparazione Notebook e PC and will use new software, developing IT applications with emphasis on web technologies such as creating websites, creating web applications, creating multimedia applications, editing database data, creating promotional material while enforcing security policies for organizations and businesses.

The second part of the program concerns teachers who will attend seminars on school mediation. This will help them systematically support the student in his efforts to find his place in the community and improve his relationships with the school community and remove, as far as possible, the problems that inhibit his cognitive progress.

In addition to the specific vocational skills, the key competences we expect to improve on all participants are communication in a foreign language, ability to interpret non-verbal communication, negotiation skills, problem-solving, decision-making, organizational and management skills, initiative and intercultural awareness. Finally, the most important impact of the program will be that all these skills and competences will be certified by the Europass Mobility, the certificate of Attendance and ECVET and will provide participants with recognition, transparency and comparability of qualifications.

**Κωδικός** 2019-1-EL01-KA102-062397

**Τίτλος Σχεδίου** Καινοτόμες Προσεγγίσεις για τη Βελτίωση Δεξιοτήτων Μαθητών Εσπερινής Επαγγελματικής Εκπαίδευσης

**Συντονιστής** ΕΣΠΕΡΙΝΟ ΕΠΑΛ ΘΗΡΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

Esperino Epal Thiras has the distinctive feature of working 16-18 year old students but also of adults who attend school by personal choice and internal need, making their own excesses as economic difficulties and negative social factors are unprecedented obstacles to their day-to-day training. This student status makes the struggle for education easy and the entire educational community supports and enhances the students' effort to acquire knowledge, intellectual and social cultivation.


An effort has been made to upgrade the image and open up the Evening Professional School to the community and the labor market for three years through the adoption and implementation of innovative initiatives and actions, by participating in mobility and co-operation programs, the potential of Europe's human talent and social capital through education and lifelong learning, taking the view that over the last decades exercised by the school unit policy but also participate in the same configuration.

This project was designed to involve 25 pupils divided into 5 mobility flows, such as the five areas of our school. In particular, the participants will be students of the B and C classes of the Esperinos Professional High School of Thera during the school year 2019 -2020, but also graduates of the school that will be selected from the following fields:

1. Applied Arts, the specialty of the Art Conservator (5 participants)
2. Electrical engineering, the specialist electrical installer and network systems technician (5 participants)
3. Mechanical Engineering, Mechanical Engineering and Construction Technician (5 participants)
4. Health, Welfare and Wellness, the hairdressing specialty (5 participants)
5. Organization & Administration the specialty of the Tourism employee (5 participants).

The program was designed according to the characteristics and needs of the participants with the aim of acquiring the specialized knowledge required in relation to the vocational training so that in combination with the incoming practical skills and attitudes required by their specialty to become competitive and able to claim, to succeed in the labor market and to adapt to the needs of modern, European and international economic realities, through the insularity of the island.

Finally, the "Innovative Approaches to Improve the Skills of Evening Vocational Students" project aims at developing skills and competences and upgrading knowledge by providing specialization and practice and creating the conditions for redefining the role of learning that will highlight its role vision of school and the quality of education as a basic pillar of change and transformation. Practical training in new modern European work environments and innovative businesses will benefit both participants



who will discover new ways and methods for improving performance, communication between them and for overseas stakeholders, thus promoting the exchange experiences and collaborations, and the idea of both the European and the international community.

Local authorities will be our ally and will highlight the action by creating multiple benefits and incentives for individuals, clubs and businesses to engage in relevant projects to develop their skills and seek more skills.

Especially at the local level the participation of our school in this program will be beneficial for the local community as the school will promote collaborations with the professional sectors of the local community and with European organizations by developing its extroversion and further upgrading by sharing experience.

This project is part of the overall effort to upgrade and internationalize our school through our presence in the field of European programs as an example of a school in the local society of the island of Santorini and of all the southern Aegean.

Our goal is to create a school, recognized at national and regional level, which will operate with modern European standards, with innovative tools and methods of vocational education and training. We believe that this program is a bastion for this goal, since once approved and implemented, our school will be able to submit a call for proposals for a Charter of Mobility, which will enhance the extroversion and internationalization of Santorini and the South Aegean.

**Κωδικός** 2019-1-EL01-KA102-062401

**Τίτλος Σχεδίου** Η Απόκτηση Καινοτόμων Δεξιοτήτων ως μέσο για Επαγγελματική Ανάπτυξη και Βελτίωση της Απασχολησιμότητας

**Συντονιστής** ΔΗΜΟΣΙΟ ΙΕΚ ΗΛΙΟΥΠΟΛΗΣ

**Διάρκεια Σχεδίου** 18 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

This project is titled “The acquisition of innovative skills as a key to professional development and improvement of employability” and will be implemented in three flows. The duration of the placement was set at two weeks per flow, for the period between November 2019 and March 2020 and the selected host countries are Italy, Spain and the fastest-growing Romania.

The prospective participants are trainees in the Public VOCATIONAL TRAINING INSTITUTE OF ILIOUPOOLIS – IEK ILIOUPOOLIS, in the fields of specialization: **1)** “Graphic Design of Printed and Electronic Media”, trainees will implement a program concerning their acquaintance with “New Technology of Digital and 3D Printings (flow A), **2)** “Culinary Art Technician” (Chef)”, trainees will implement a program on the “Innovative Techniques in Molecular-Spanish Gastronomy” (flow B), and finally **3)** in the specialization of “Aesthetic Art and Make-up Technician” and “Hairdressing Technician”, trainees will implement a program on “Modern Aesthetic Therapy Methods” and “Hair Aesthetics” (flow C).

Although they are attending initial four-semester vocational training, they are unable to get in touch with innovative techniques such as Molecular Gastronomy (flow A), neither with the modern equipment of Digital and 3D printing (flow B), nor with innovative therapies of Aesthetics-Hairdressing. Those techniques are not taught in any educational institution in Greece, at all levels, not only to trainees but also to professionals, which degrades the quality of education and training provided by the Greek educational system’s inability to keep track of modern technological developments. Due to the lack of laboratory facilities, the curricula of the above mentioned specializations do not even touch on the acquisition of such specialized skills.

Many of the participants are employees and have limited experience, professional conscience and behavior. They have no access to “lifelong learning” and are in great need to improve their skills in a foreign language.

The specialized know-how that they are going to acquire is available only too few professionals in their sector and it is almost impossible to reach it in our country. Furthermore, the basic need to implement this program is to cover learning gaps in the curriculum of the Ministry of Education and Training and strengthen the trainees with innovative specialized skills, which will boost their professional development and improve their employment prospects, making them highly competitive.

Due to the high interest among the trainees, and in order not to exclude many of them, it was decided to involve forty-four (48) trained in three flows: the first flow from 03 to 18 November 2019 to the Italian organization “CO.EUR.- European Consulting and Training” (IT) in Rome and Ascoli, the second one from 15 to 30 January 2020 at the Spanish organization “Commerce and Resources, S.L” (ES) in Galicia, with 15 trainees each and the third flow from 13 to 28 March 2020 at “Athena Study and Training srl” (RO), in Bucharest with 18 trainees, selected by two specialties.



***The program includes:***

- Visits of main attractions in host cities
- Participation in organized seminars
- Practical training in partner companies and visits to similar vocational schools.

At the same time and off-hours, visits will be made to companies with Digital and 3D printers and workshops in real-time work (flow A), presence in Molecular and Spanish cuisine restaurants (flow B), and in centers that use modern methods of Cosmetic Therapy and Cosmetic Aesthetics (flow C).

***The main objectives of the project are:***

- maximizing the contribution of vocational training to innovation, aiming at increasing competitiveness and emerging new employment opportunities through training and certification in state-of-the-art technology
- Acquiring certified knowledge and practical skills in thematic modules on specialized knowledge
- Acquaintance and the ability to experiment with the magical world of the most modern techniques
- encouraging the learning of modern foreign languages.

***The expected results for the participating trainees are summarized below:***

- Acquiring new skills and competences in subject areas that relate to innovative techniques of their specialization and acquaintance with cutting-edge technology
- increasing mobility and improving their employment prospects while increasing initiative and entrepreneurship
- improved foreign language skills and increased intercultural awareness
- Understanding the lifelong learning process in order to keep up-to-date on what is most innovative in their field of expertise.

**Κωδικός** 2019-1-EL01-KA102-062405

**Τίτλος Σχεδίου** Η Αξιοποίηση των Τεχνών για την Ένταξη των Παιδιών με Ειδικές Ανάγκες στην Προσχολική Εκπαίδευση

**Συντονιστής** ΔΙΕΚ ΓΑΛΑΤΣΙΟΥ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

The use of Arts for the integration of children with special needs in pre-school education. Sector: Early childhood educators. Participants' number: 12 students

The project "Using Arts as a tool for the integration of students with special needs in pre-school general education" includes 8 professional visits to model educational foundations of preschool training in Italy, which implement innovative pedagogical approaches in order to integrate children with special educational needs in the mainstream preschool educational system through the use of arts. At the same time, according to this programme, the participants are going to attend three seminars which will focus on topics concerning the child soul, the meaning of children's drawing for the psychologists as well as a comparison of the educational systems in Italy and in Greece concerning the integration/inclusion of children with special educational needs in the mainstream preschool educational system.

In the seminars and workshops Arts [theatre, drawing, and music] are used as a tool for the expression of the child and as a means for the psycho-social development. Finally, the students will also participate in two workshops about the results of this action (evaluation and feedback). Moreover, the schedule includes three cultural visits to Rimini, San Marino and Venice so that the participants will be able to become familiar with the Italian culture and civilization.

Through this plan of actions, our students will have the opportunity to gain valuable knowledge, experiences and benefits in terms of personal as well as academic level. More specifically, this whole action will attribute some kind of European dimension to their studies and will make them become more progressive childhood educators since their horizons will be broadened and their mind will open up.

All this experience and knowledge will be transferred back to Greece through a variety of presentations and activities so as to involve other teachers and students to participate in such actions and to be motivated to keep learning and evolving professionally.



**Κωδικός** 2019-1-EL01-KA102-062415

**Τίτλος Σχεδίου** Πρακτική άσκηση στο πλαίσιο του Erasmus+ σε καινοτόμο θέμα:  
Ηλεκτρικό Αυτοκίνητο

**Συντονιστής** 1<sup>ο</sup> ΕΠΑΛ ΠΑΤΡΑΣ

**Διάρκεια Σχεδίου** 12 Μήνες

## ΠΕΡΙΛΗΨΗ ΣΧΕΔΙΟΥ

This project is submitted by the 1st EPAL of Patras, a Secondary Vocational School under the frame of Erasmus + 2019, KA1 mobility of people and will last 1 year from 01-06-2019 to 31-05-2020. It involves the implementation of practical training for pupils in initial vocational training, through specialized seminars and technical visits to the training center AEMIFESA, GREMIO DE INSTALADORES DE BARCELONÉS, which is also the host institution in Barcelona, Spain.

The project will be implemented in two flows. The first flow of 16 days will consist of 14 students (7 Electrolology and 7 Mechanics), with 2 accompanying teachers, who will specialize in issues related to the operation and maintenance of the electric car in mechanical and electrical matters. The second flow of 16 days will also consist of 14 students (7 Informatics and 7 Electronics), with 2 accompanying teachers, specialized in issues related to the operation and maintenance of the Electric Car, in the perspective of IT and advanced electronics.

All 4 specialties of the school participate in the project, on the one hand, to highlight the cross-curricular nature of the subject and their co-operation on a common theme (Electric Car) and on equal treatment and equal opportunities in all specialties. Additionally, the specificities of the subject approach will be highlighted by each specialty and advantages and disadvantages of each specialty will be presented.

### Flows are determined as follows:


**1st flow:** February 2020

**2nd flow:** March 2020

The main objective of the project is the participants of all four specialties, Electrical Engineering, Mechanics, Informatics and Electronics, to acquire modern knowledge and work experience regarding the operation, testing and maintenance related to the Electric Car. Also, all participants develop individual skills and competences, improve their European culture and get to know the EU's opportunities.

### The project will help participants:

- To acquire knowledge-skills that enhances accessibility to the labor market and to build a modern professional profile.
- Enhance their organizational, time management, application-specific guidelines.
- Strengthen language and social skills with a view to an integrated personal development.
- Strengthen the network of contacts and acquaintances.
- Learn about Erasmus + and EU opportunities.



The achievement of the objectives will be realized on the basis of the combination of specialized seminars by 50% at the specific training center and host institution, and similar technical visits to vocational and educational organizations by 50%.

In this context, based on Memoranda of Understanding (MOU) and Learning Agreements, an assessment is made based on specific learning outcomes by specificity using specific questionnaires. In addition, the participants will complete an evaluation questionnaire covering all stakeholders (Sending-Hosting organization, tourism-insurance agencies) and the whole program in general (services offered, achievement of objectives, stakeholders, results).

This program is expected to have a particularly positive impact on participants and stakeholders. The sending organization (1st EPAL Patras) will improve the ability to design, organize and manage training programs, harmonizing its practice with modern educational needs and state-of-the-art technologies. It will strengthen its capacity to manage the Erasmus + program. Host organization is expected to increase his specialty, his reputation and his credibility.

The results of the project are expected to have a profound impact on the local community through an effective dissemination plan that includes modern methods such as social networking sites, a dissemination workshop, and will ensure easy accessibility of the program data to various target groups that are interested in specific subject matter. The school will enrich its educational material with worksheets, videos, notes and other derivatives that can be used in a variety of ways. The local community benefits from well-trained and specialized potential that means more efficient systems, fewer technical failures and more satisfied customers.

The project is also expected to strengthen the positive outlook of school action in the local community as well as transparency, extroversion, transnational mobility and the possibility of creating an appropriate ground for European cooperation in education and training and the labor market.



Erasmus+

Ίδρυμα Κρατικών Υποτροφιών

Εθνική Μονάδα Συντονισμού Erasmus+

Λεωφόρος Εθνικής Αντιστάσεως 41

14234 Νέα Ιωνία

T: +30 210 3726300

E: [erasmusplus@iky.gr](mailto:erasmusplus@iky.gr)

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[www.iky.gr](http://www.iky.gr)