

TEESCHOOLS

Transferring Energy Efficiency in Mediterranean Schools

PRIORITY AXIS: Fostering Low-carbon strategies and energy efficiency in specific MED territories: cities, islands and remote areas

OBJECTIVE: 2.1 To raise capacity for better management of energy in public buildings at transnational level

DELIVERABLE NUMBER: 5.2

TITLE OF DELIVERABLE: WP5 Capitalizing TEESCHOOLS methodology: e-learning modules

WP n. 5: CAPITALISING

ACTIVITY n. 5.2.2 and 5.2.3 on e-learning design format and e-course

PARTNER IN CHARGE: FVMP

PARTNERS INVOLVED: ALL PARTNERS

Status:

<i>Draft</i>	<i>Final X</i>	<i>Version</i>
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Date: March 2019

E-MODULES

Considering the topics that the technical partners have developed on the TRANSFERING Work Package the e-modules are:

- The normative context. Level of Implementation of EU directives. The NZEB concept. NZEB concept in the partner countries (partners will provide information to the partner in charge) **CONSORCI DE LA RIBERA.**
- Bioclimatic architecture of schools **ENEA**
- Energy audits in schools **CONSORCI DE LA RIBERA**
- Calculation and monitoring tools. Webtool TEESCHOOLS **ENEA**
- Calculation and monitoring tools. Carbon foot print **ENEA**
- Maintenance and management of energy in schools **CEA**
- Innovative approaches. Windows, Lighting, ventilation **LIVING PROSPECTS**
- Innovative approaches. PCM's, cool materials and glass technologies **ENEA**
- Sustainable renewable solutions in schools. Thermal, photovoltaic solar energy, and geothermal. Practical application cases. **(ENEA, CONSORCI DE LA RIBERA, CEA, HEP ESCO, LIVING PROSPECTS)**
- Financial solutions for school's renovation. The incentives. **HEP ESCO**
- Financial solutions for school's renovation. PPPs and EPCs **HEP ESCO**
- Smartschool and mobility, **LIVING PROSPECTS**
- Behavioural change at schools **CEA**

THE PROCESS OF DEVELOPING THE CONTENTS OF THE MODULES

The coherence

The content of each module must be coherent. The general idea is to divide the e-course into modules with their own entity which put allow forming a course.

The structure:

The structure of the e-course will be:

TITLE OF THE E-COURSE

PRESENTATION OF THE E-COURSE

OBJECTIVES OF THE E-COURSE

TITLE OF MODULE 1

- Presentation of the module
- Learning objectives of the module
- Section 1
- Section 2
- Section ...
- Conclusión of the modul
- Self assesment

TITLE OF MODULE 2

.....

Guidelines to produce the content

In order to produce the 13 modules of the course, it is necessary to follow guidelines that guarantee the pedagogical quality and homogeneity of the materials, even if they are developed by different experts in the field.

Each module is estimated to have an approximate duration of 4 hours of study. In order to guarantee the quality, the following structure and guidelines will be followed:

Title of the module

Presentation of the module

It will be textual and will not exceed 600 words.

Educational objectives

3-4 objectives will be formulated and written in infinitive.

10 pages of content

In these pages, the content will be developed. It will be structured in sections and sub-sections. Each section or subsection shall not exceed one page in length. If it is very dense, include sub-sections that allow the matter to be followed more easily.

If images, videos, links, etc. are available, the exact place where it will go within the content will be indicated and the files will be provided for inclusion in the course.

At the end, a summary or conclusion will be included (maximum 500 words).

Consultation of documents and references

keep in mind that the student's 4-hour workload also includes consults on external documents and references if that is the case.

Self-assessment test

It will include a questionnaire with 10-15 questions and 3 choices of answers where only one will be valid. The correct one will be marked on the questionnaire itself.

With 70% of the correct answers the module will be successfully passed, and the questionnaire can be repeated as many times as desired.

The system keeps the last completed questionnaire.

The communication

It is important to synthesize the contents trying to follow some writing guidelines:

- Use short sentences
- Use easy sentences
- Try not use subordinate phrases because the meaning is difficult to be found sometimes

General rules

The format to be used will be like that of these indications: arial 12, single line spacing.

Once the material has been delivered, production will proceed to obtain an on-line course. After this assembly phase, each author will be given access to the material so that they can review it, before making it available to the students.

PRODUCTION PLAN

Regarding the plan of production of the e-course, the partners will send the base content to FVMP and the expert will design the final content for different formats using specific tools. This is the scheme:



GENERAL INDICATIONS

- Each technical partner will elaborate the modules and will send them to FVMP
- FVMP will receive the documents of each module for the layout and the inclusion in the platform
- Each partner will appoint a person in charge of each module (teacher)
- After the assembly phase, each author will have access to the material to review and modify it for a few days, before making it available to students

- Each student will have an educational guide
- The teacher will answer questions from students and the rest of the partners will help when students from their country need translation
- Students will be able to register at any time in the platform
- Students will be able to start the e-learning course in May and end in December
- If students complete all the self-assessment questionnaire, they will get a course certificate

PARTNERS INVOLVEMENT

Each technical partner will elaborate the modules proposed

All partners (technical and institutional) will be involved to get students for the e-learning course

Each partner must involve around 85 students

There is no problem that the partners involve more students, especially those who can link the training action with professional credits

All partners will motivate students through the progress of the e- course