

## Project status

With this second newsletter we would like to inform you about the work that has been carried out within the first step (WP2 and WP3) of the European project EYE Manager Championship.

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#### •Project status

### A. Energy Education for upper secondary schools

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#### •What will happen next

An energy curricula and a didactic approach have been defined at transnational level. The curricula will be adapted by each school according to the national framework and applied within the EYE Manager Energy Education.

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#### •More information

•**Energy curricula:** a standard plan with educational modules that defines the objective of each module and the skills, know-how and attitude that shall be transferred to the students, as well as the most appropriate didactic tools, e.g. web database, decision makers software and self evaluation and self assessment tools.

•**Didactic approach:** a set of common methods aimed to enhance the proactive approach of learning, the capability to apply the skills learned in daily life, the energy consciousness and the participant's self-evaluation skills.

### B. EYE Manager Toolkit

The EYE Manager toolkit has been designed and will be illustrated to the students in the framework of the EYE Manager Energy Education and used during the EYE Manager Championship. The toolkit is composed by:

1. **EYE Manager Guide** - a practical guide for European Young Energy Managers containing:

•**Energy-using Products** and the most energy-intelligent way to install and use them.

•**Energy Audit Method:** information on how to collect data concerning energy consumption, carbon emissions and efficiency of plants, buildings and equipments.

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- **Energy saving behaviours** which counsels the students in the acquirement of energy saving skills in daily life.
- **Energy Saving Plan method** which guides the students in their practical intervention work within the study case to improve energy performance, and to estimate the cost related to the implementation of the various solutions and the related impact in terms of economic saving.

### 2. EYE Manager Championship Managerial Software and User Manual

The EYE Manager Championship managerial software and user manual is a web based application which will support the EYE Managers in the analysis of the study cases and in the designing of the Energy Saving Plan.

The software is divided into two parts: **relief and design**. The first part helps the project participants to define all the characteristics of a building, e.g. location, fuel used, dimensions, constructive typology, heating system and hot water production. The second part is dedicated to interventions such as thermal insulating, double glazing and thermal station.

As a **result**, students will know

- the energy efficiency class of a building before and after the interventions;
- the costs of chosen interventions;
- the energy and economic savings related to the interventions.

Using this software the teams can develop **energy saving plans** for the assigned case studies and can calculate the amount of money that the students have to subtract from their virtual budget.

A set of **communication tools for the championship** will be used and will give the possibility to the team members to have a real-time communication and documents sharing in order to discuss and design the energy saving plans. The action targets students of upper secondary schools that are fully familiar with different instruments of communication such as Messenger, Life and Google. Consequently, we have adapted existing tools according to our needs.

### 3. EYE Manager Championship rules

The rules of the EYE Manager Championship have been defined and concerns international team composition, game phases, scores and awarding criteria

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The different tools and methods foreseen have been developed by the Transnational Expertise Group. The specific skills and expertise of the involved schools and local energy agencies (LEAs) have been used with the aim to identify the best solutions, both in terms of teaching and technical knowledge. Existing materials produced and assessed at national and European level have been analysed and adapted.

### C. The Monitoring and Evaluation tools and strategy

The application of the developed tools will be monitored, valued and assessed during the project in order to allow their further application beyond the project's end. The project has developed a common model applicable and replicable beyond the project end in any other European context in order to ensure the sustainability and the follow up of the experiences gained through the project. The first version of the EYE Monitoring and Evaluation Model (EYE-MEM) has been developed and evaluated by the project partners.

The monitoring and evaluation tools and strategy have been defined and include approach, tools and indicators aimed to value the strengths and weaknesses of the project implementation. The aim of the analysis has been to value if the designed curricula, didactic tools and approach are appropriate to achieve the foreseen objective in terms of skills and consciousness improvement.

The monitoring and evaluation strategy is a proactive method which allows to identify problems, analyse their causes and plan needed interventions.

Pilot actions monitoring and evaluation tools and strategy will be transferred to the teachers and technicians engaged in the EYE Manager Championship at a transnational workshop that will be organised at the beginning of the competition.

## What will happen next?

• **The common set of technical and managerial tools already developed has to be transferred to the target groups** thanks to:

- an INTERNATIONAL TRAINING that involved teachers and technicians of the energy agencies aimed to the illustration and transfer of the Energy curricula designed, the didactic approach developed, EYE Manager Toolkit and its features and the presentation of a draft of the Pilot actions monitoring and evaluation Guide. It was organised in Bulgaria on 13th-14th May during the 2nd project meeting;

- - SCHOOL'S DIDACTIC PROGRAM. Teachers and technicians trained will have in charge the adaptation of energy curricula and didactic approach, developed at transnational level, to their specific national education framework. The result will be the EYEManager energy education: a energy didactic program focused on energy-using product, energy saving behaviours, energy audit method, energy saving plan designing.

- STUDENTS TRAINING. The teachers, supported by the energy agencies technicians, will transfer the developed didactic program to the students which will be involved in the EYE Manager championship. Specific educative sessions will be dedicated to the illustration of the *EYEManager Championship organisation and rules* and to the explanation of the features of the EYEManager software;

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- LOCAL STAKEHOLDERS AWARENESS RAISING. In order to guarantee the highest rate of involvement and consciousness of all the beneficiaries concerning the issues activities and approach of the project will be organised local info day aimed to illustrate the EYEManager championship to: other classes of the involved school, other schools student's parents and to all the other local stakeholders

### • WP4 "EUROPEAN CHAMPIONSHIP"

After the training of the students (WP 3) will be organised the *European Championship* .

At first, at local level with the support of the expert technicians from the LEAs, the students will carry out the energy audit of the different places/objects of intervention, with the aim to collect data concerning the energy consumption, as well as the efficiency of the buildings, their plants and the rest of equipment used. These standard Energy Audits will have to be carried out according to the guidelines provided in the "EYEManager Guide".

The official beginning of *European Championship* will be in November 09 with EYEManager Championship kick off meeting . This will be scheduled as an "International Campus", in which 9 students from each class - for a total of 81 youngsters - plus 9 more youngsters belonging to the class with the same nationality of the location of the meeting will participate. The KoM of *EYEManager Championship* will be organised at the end of November 2009 in Slovenia (Velenje). During this meeting the international teams will be officially set up and a teams' building session will be held in order to let the teams' members to get to know each other. Also the official presentation of the EYEManager Championship and of the teams formed will be made and the Energy Audits in the various countries will be held, short presentations (using Power Point, multimedia, other...) of the selected and approved buildings and their energy analysis made per country will be made by each country's group of participating students during the KoM. At the end the *Case Studies Assignment* will follow.

## More information

**More information** can be found on our web-site: [www.eyemanager.eu](http://www.eyemanager.eu).

Please contact the national partners for more information of the project activities in your country. The contact addresses are available on each country site from [www.eyemanager.eu](http://www.eyemanager.eu).

### International training in Sofia, Bulgaria

