



E-learning for training Energy Agencies in mobility management and alternative fuels (e-TREAM) B.&S.U. Beratungs- und Service-Gesellschaft Umwelt mbH, Germany

Summary

The objective of e-TREAM is to complement the activities of the STEER-projects, implemented in the first call, by integrating their training modules in an e-learning platform open for all Energy Agencies and other relevant actors. The partner Energy Agencies will use their new skills for implementing mobility services in their regions and to attract local actors to take up the topic of sustainable mobility. As a general aim it is intended to reduce energy consumption and promote the use of alternative fuels and more sustainable transport modes.

End-user area

- New buildings
- Refurbishment of buildings
- Transport and mobility
- Financial instruments
- Industry
- Legal initiatives (regulations, directives, etc)
- Planning issues
- Sustainable communities
- User behaviour
- Education
- Other

Target Audience

- Citizens
- Households
- Property owners
- Schools and universities
- Decision makers
- Local and regional authorities
- Transport companies
- Utilities
- ESCOs
- Architects and engineers
- Financial institutions
- Other
- Energy Agencies

Technical

- Energy efficiency
- Heating
- Cooling
- Appliances
- Lighting
- CHP
- District Heating
- Solar energy
- Biomass
- Wind
- Geothermal
- Hydro power
- Other Transport

Context

The transport sector plays an important role in the European economy and as such accounts for around 30 percent of the energy consumption in Europe. Moreover the energy transport is as well the fastest growing sector in terms of energy use, and in this sense it is essential to realise the potential for energy efficiency gains in this sector. On the other hand Energy Agencies are the main players to initiate and facilitate activities on local and regional level which aims to lower energy consumption, to support energy efficiency and the use of sustainable energy sources. Until now only a few Energy Agencies are working in the field of sustainable mobility. The approach to train and support the Energy Agencies with view to the implementation of new transport related services in the regions takes into account these preconditions and generates a wide impact of the project in the field of sustainable mobility and the promotion of alternative fuels all over Europe.

Objectives

e -TREAM aims to support Energy Agencies to increase their knowledge in the field of transport, to include transport related services in their portfolio and to inform and motivate local and regional actors to take up the topic of sustainable mobility in the respective regions.

The approach of e-learning was chosen because it offers the advantages of on-demand availability of the training modules, which enables the participants to adapt the training according to their time resources and their specific preconditions and needs. In that way a huge number of Energy Agencies and local actors can be involved in the training irrespective of financial or time restrictions.



Process

The project is structured in 9 work packages including project management. The project has basically three phases

- The development of the e-learning platform for training
- The training of the Energy Agencies and other market actors
- The implementation of new services.

The first step was to identify the demand for new mobility related services, co-operation partners and training modules at the partner Energy Agencies. Therefore a questionnaire was designed and sent to the partner Energy Agencies. With the results a new service to be implemented and the demand for training was defined for each Energy Agency. To involve the local key market actors a Local Steering Committee were established by each Energy Agency.

For the development of the training modules and the consulting of the Energy Agencies an Expert Board was established. The training modules are based on the results of the three STEER-projects COMPETENCE, e-ATOMIUM and TREATISE. The Expert Board accompanies the training and the implementation of new services.

In parallel the e-learning platform was developed and will be available in 10 different languages via the website of the project. For validation the e-learning platform will be opened to the partner Energy Agencies first. Later in the project the platform will be opened to all Energy Agencies and other relevant actors.

The staff of the partner Energy Agencies will use the e-learning platform to extend their skills in the mobility sector. They will provide feedback about the e-learning platform to the Expert Board. This feedback will be used to optimise the learning tool.

Each Energy Agency is currently developing an implementation plan for a service in the mobility sector. With the support of the Expert Board they will implement and promote the new service.

Afterwards the project will be evaluated. Surveys will provide information about the quality of the e-learning platform, the user feedback and the impact of the new services. This information will be used for further improvements of the e-learning platform and the new services.

The dissemination activities have three different target groups. The Energy Agencies should get motivated to extend their knowledge in mobility issues and implement new mobility related services. Necessary co-operation partners and other relevant actors in the transport sector (municipalities, transport providers etc.) will receive information and get access to the e-learning platform. All implementation plans of the Energy Agencies will contain a part with marketing issues for the promotion of the new services to the target groups.

Financial resources and partners

Costs 1.5 Mio €

Funding sources: 50% from the EU Commission other 50% through national co-financing or own contribution

Partners:

1. Black Sea Regional Agency for Energy Management, BG
2. Energy Agency of Plovdiv, BG
3. Energies Environnement 74, FR
4. Team Red Networks KG,DE
5. Baltic Energy Forum, DE
6. Regional Energy Agency of Crete, GR
7. Regional Energy Agency of Central Macedonia - Anatoliki SA, GR
8. Center for Renewable Energy Sources, GR
9. DOLNOŚLĄSKA AGENCJA ENERGII I ŚRODOWISKA (DAEiŚ) PL
10. Bałtycka Agencja Poszanowania Energii S.A. – BAPE, PL
11. Agência Municipal de Energia e Ambiente de Oeiras, PT
12. Instituto de Soldadura e Qualidade, PT



13. Harghita Energy Management Public Service, RO
14. Fundación Asturiana de la Energía ,SP
15. Agència Energètica de La Ribera , SP
16. Energikontor Sydost, SE

The project has three main target groups: Energy Agencies, local and regional key market actors for the implementation of new services and the target groups of the new services of the partner Energy Agencies. The direct target group is the partner Energy Agencies in the consortium. They will use the e-learning platform and extend their knowledge about mobility issues. Additionally they will get consulting for the implementation of one transport related new service each.

Results

- ✓ *E-learning platform*
9 modules for individual training sessions translated in 10 European languages to enhance the transport knowledge of the Energy Agencies in Europe. At least 500 students are projected to take part in the training.
- ✓ *Regional services*
Extension of the services of the Energy Agencies in the field of mobility. At least 13 new services will be implemented in the regions of the Energy Agencies, who are partners in the project e-TREAM
- ✓ *Expert Board*
Attend the partner Energy Agencies all the way from training to the implementation of first pilot projects
- ✓ *Information events*
Dissemination of information about the e-learning tool and raising of awareness concerning sustainable mobility and alternative fuels

An important impact of the project is an increase in awareness of mobility topics for all target groups. The Energy Agencies outside the consortium will get motivated to take up the topic of mobility, train their staff and implement own mobility related services. The key market actors will have an increased awareness of the opportunities of alternative fuels and mobility management. They will be integrated in the project with the establishment of the Local Steering Committees. The "mobile citizen" will receive information about sustainable mobility and new opportunities for his "mobile life". This can foster a change of behaviour and the acceptance of traffic planning measures, more sustainable transport modes and alternative fuels. Moreover the implementation of new services will guarantee a sustainable impact of the project.

The e-learning platform will be available for the Energy Agencies outside the Consortium and regional actors in summer 2007. Until this time the Energy Agencies which are partners in the project will have started the implementation of their new services. In the end of 2008 concrete data about the impact of the project will be available.

The Expert Board is already in place and supports the implementation of the e-learning platform, the training of the Agencies and the implementation of new services in the regions.

Various dissemination and information activities have already been implemented for example workshops and presentations in the framework of international congresses like in Sweden, Växjö in May 2007. Moreover a regular newsletter is already available for Energy Agencies and local and regional actors all over Europe.

Lessons learned and repeatability

The project includes a very high number of participants which might appear a little bit problematic. But through an intensive information and exchange between the partners a very good cooperation could be established.

On regional and local level the involvement of Local Steering Committees appears as a very good tool to multiply the success and the results and to assure the involvement of important players on local level especially in the sense of sustainable results. Until now the project has received very positive feedback from regional and local level as bases on the recommendations coming from the Regions and intends to support important transport related activities.



Case study 250, B.&S.U. Beratungs- und Service-Gesellschaft Umwelt mbH, Germany

The e-learning tool can be used all over Europe and it enables potential students to build up new transport related services in their region. Since the experiences and recommendations from 17 partners out of 9 different countries were included in the e-learning tool it can be considered as a European e-learning platform, which respects the different preconditions.

In general the combination of education, information and implementation of concrete measures with different levels of dissemination can be seen a very effective way to create a sustainable impact and long term results.

For the evaluation of the impact of the new services we will use the SUMO approach which was elaborated in the framework of another IEE project. The proper evaluation of the project can be seen as an important part of the project to proof the results and to generate information and recommendations for follow up projects.

Contact for more information:

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