

Visit our on line learning system to discover training materials and an exciting simulation tool:

<http://learning-content.enef-project.eu/ilias/>



Visit the EnEf Project website:

www.enef-project.eu

The global market for environmental goods and services is expected to grow to \$700 billion by 2010 and \$800 billion by 2015. SMEs are innovative, adaptable and flexible and so they are well placed to exploit these opportunities. However, to realise these opportunities, European companies will need to be agile and effective in building a business environment that will give them competitive advantages. There is a need for a structured plan to make implementation happen quickly and efficiently. There is substantial opportunity to train and or up skill workers in this sector so that they are qualified to work in energy efficient practices and techniques. The ENEF project aims to equip European construction SMEs with some competencies, tools and skills so that they are better prepared to optimise potential opportunities in this space. In light of this we have captured relevant training requirements from a sample of our target audience and developed innovative and useful material, methods and tools to help SMEs become more green. Relevant training materials, a simulation tool and on line learning system can be found at

<http://learning-content.enef-project.eu/ilias/>

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EnEf Project Energy Efficiency in the Building Sector: a Sustainable Future

The use of energy efficient technologies and products in the construction industry can make a significant contribution to Europe's economy by creating employment opportunities in areas such as renewable energy, energy efficiency products and services, waste management, recovery and recycling. Consequently, more and more construction firms are integrating technologies within new and existing buildings for the purposes of minimising energy loss and maximising energy efficiency. This sector has grown significantly over the past decade as new technologies for increasing building efficiency have been developed and stricter building regulations have been introduced.



EDITION
05
OCTOBER
2012

EnEf Project Newsletter

Our goals

The ENEF project consortium ultimately hopes to help:

- Reduce emissions in the construction process
- Improve comfort in housing
- Improve air quality
- Increase the quality of house construction
- Improve building energy ratings
- Increase resale value of houses in Europe

Quality Management Process

Quality management is an important part of the EnEf project, in order to monitor the project execution and processes, the cooperation between partners and the valorization activities. The evaluation of the EnEf project has been continuous through the project.

The evaluation of both performance and results of the EnEf project was based on the following objectives:

- To have a more effective and efficient organisation and process structure available
- To simplify the management and to improve its quality
- To evaluate the internal processes used and the coherence of the project against the project proposal
- To analyse the repercussion and efficiency of the proposed objectives
- To verify if the proposed objectives are achieved
- To ensure the quality of the project outcomes, i.e. outputs and results through a controlled evaluation and quality improvement procedure and to evaluate the effectiveness of transnational cooperation
- To implement a quality management culture
- To evaluate the impact of the final project outcomes as set in the project global objective.

The quality goal was to perform the EnEf project activities at the highest satisfactory level, on schedule and within approved budget, enabling a continuous assessment process.

Efforts to achieve optimal quality control in the project and partnership were based on the previous partnership experience, maintaining that a good quality project is not possibly reached without good quality management.

- Contents:
- EnEf Project
 - EnEf quality management process
 - Quality criteria
 - Quality assessment results
 - The EnEf consortium

Quality indicators



The quality management plan of the project was based on good coordination among the partnership, dialogue, backup information and e-mail exchange. Specific quality objectives of every work package individually were specified and quality criteria for the accomplishment of the objectives have been set.

The criteria are both quantitative and qualitative. In general, all the quality objectives have been met and the final product exceeds the expectations of the project partners. All the foreseen activities written on the proposal have been completed successfully in a very satisfactory level of quality.

Visit the EnEf website at www.enef-project.eu



Results of the quality assessment

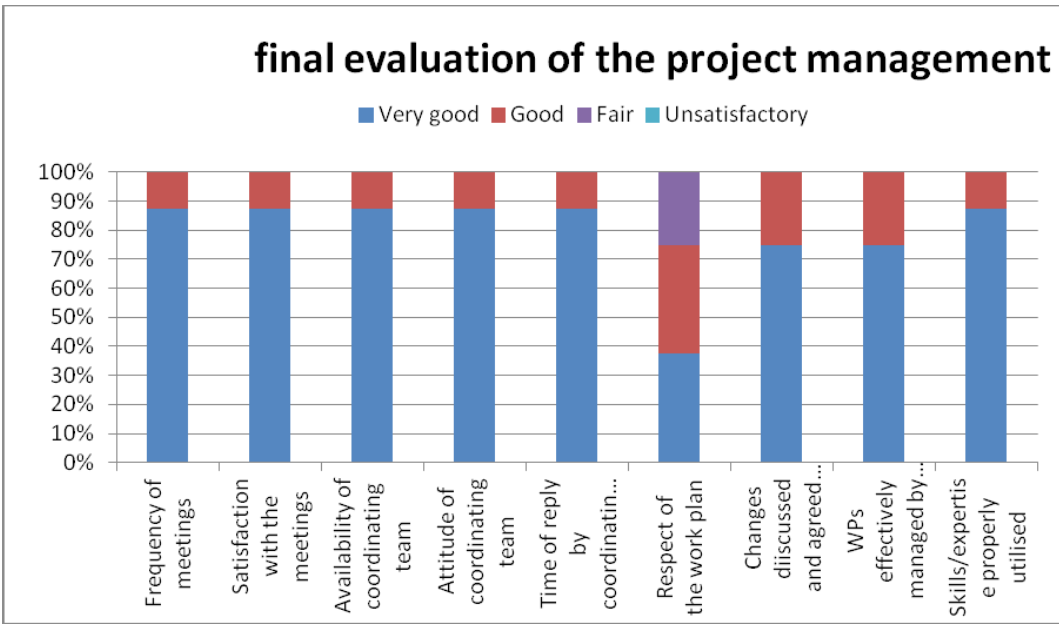
Evaluation of project management and meetings

The results of the evaluation of project management do not differ significantly between the two assessment periods (Oct2010-Oct2011, Nov2011-Nov2012).

The general assessment on the quality of the project management is positive. There are no negative remarks about the partnership and its coordination.

All partners agree that:

- The working meetings have been frequent enough
- They are satisfied with the meetings
- The coordinating team has a very good attitude
- The work-packages are effectively managed by the lead partners of each WP
- The skills and expertise of the project partnership is properly utilised to meet the objectives of the work-package
- The work plan has been respected and the changes to the work-packages have been discussed and agreed by the partnerships



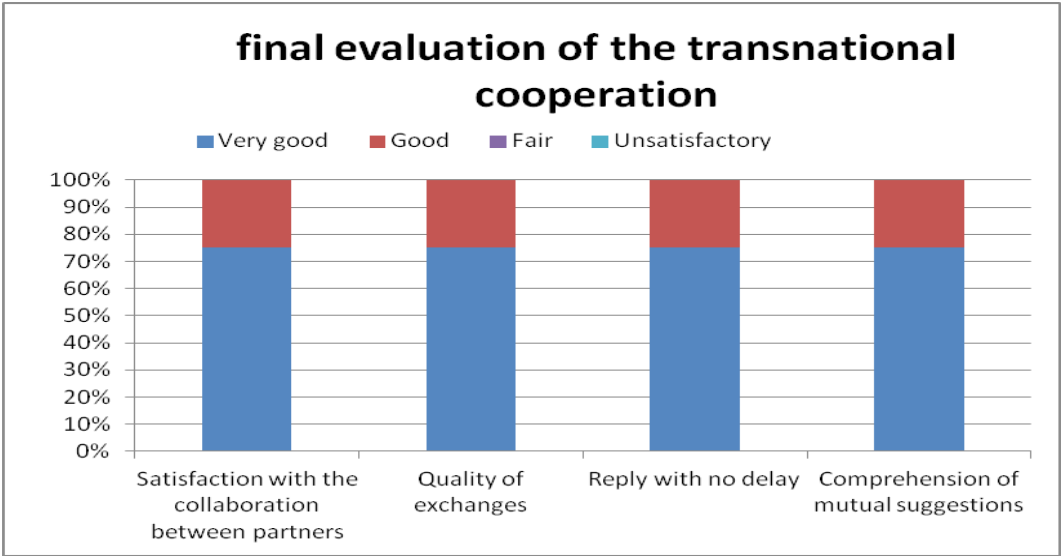
Evaluation of transnational cooperation

As a general remark, the transnational cooperation is assessed positively and very positively by all partners.

The intranet has been established from the beginning of the project and it has proved to be a very efficient tool for the communication and collaboration between the partners. All the deliverables, as well as the intermediate products, are uploaded and categorized on their respective project topic in order to be visible and accessible by all. In this way, there is control of all information circulated among the partnership.

The general impression is that the transnational cooperation has reached a very good level. There is a good common understanding of aims, tasks and responsibilities and very good relations between partners.

The following graph presents the feedback of the partners, as received using the evaluation questionnaires.



Evaluation of products

All the partners are satisfied with the quality of deliverables. They all respect and rely on the skills and expertise of the WP leaders. The partnership is very experienced in project management and some delays in the initial work plan were managed effectively without influencing the quality of products.

There were no significant problems or difficulties mentioned. It should however be noticed that there is significant degree of creativity and innovation among the partners responsible for the training content and e-content development.

All the deliverables of the projects have been completed successfully, in a satisfactory level of quality, based on the qualitative and quantitative criteria. The expectations of all partners have been met and there is a general belief that the project outcomes could be further exploited with multiplied impact on the target group.

Evaluation methodology



The evaluation plan proposes a two-dimensional evaluation, done by:

- Project partners
- Trainees of pilot testing

Partners have evaluated all the deliverables, providing their feedback before the finalisation of every outcome and have given their overall input to the interim report (in the end of the first half of the project duration) and also to the final report (in the end of the project's lifetime), using the evaluation questionnaires of the project.

Process evaluation

EnEf process evaluation focuses on partnership, objectives, coordination and management, meetings and possibility of future networking.

The evaluation criteria for the processes are:

- Respect of timetable
- Deliverables
- Respect of workplan
- Conflict management
- Effectiveness of transnational meetings
- Effectiveness of transnational cooperation
- Learning / self satisfaction



The EnEf consortium

The EnEf consortium has mobilized all the necessary and required set of skills to perform the planned activities and reach the objectives of the project, involving all the players in the value chain necessary for implementing the training contents and platform and their assessment. More specifically it constitutes:



EUROCREA MERCHANT, coordinator. An experienced consultancy active in the area of energy, with a solid project management methodology based in Italy. www.eurocreamerchant.it

innovate **INNOVATE**, A research and training organisation focused on developing state of the art customised programmes and initiatives for organisations and

universities, based in Ireland.



SRRA, Regional Development Agency, with a consistent experience in the implementation of programmes as well as in the analysis of data, based in Slovakia. www.srra.sk



ILLI, Institut für Lern-Innovation, a University Department working on media and network-based learning and qualification systems, dealing mainly with new



technologies for e-learning, based in Germany. www.fim.uni-erlangen.de



IDEC, A qualified Training and consultancy company, with a long experience in software and multimedia development, based in Greece. www.idec.gr



VICOMTech IK4- An applied research centre for interactive

Computer graphics and multimedia, experienced in particular in 3D simulation tools, based in Spain. www.vicomtech.org



ARQUITECTURA, Junta Extremadura. A Regional authority holding to the Extremadura regional's Government with competence in the area of architecture,

construction and urban planning, based in Spain. www.juntaex.es



BCC - Bulgarian Construction Chamber, a national representative federation of construction industry, representing 2285 SMEs company-members of Bulgaria. www.ksb.bg

LIFELONG LEARNING PROGRAMME FOR SMEs COMPETITIVENESS.

The Leonardo da Vinci sector programme links policy to practice in the field of vocational education and training. One of its main aim is to facilitate the development of innovative practices in the field of vocational education and training other than at tertiary level, and their transfer, including from one participating country to others.

The EnEf project is co-funded by the European Commission within the Leonardo da Vinci action Development of Innovation. EnEf aims at developing innovative contents, methods and procedures within Vocational Education and Training in the European Building Sector.



Product evaluation



EnEf product evaluation focuses on content of the project products and form of the project products.

The evaluation was carried out by project partners, project coordinator and target groups.

The evaluation criteria for the products are:

- Relevance of training content
- User friendliness of training platform
- Innovations
- Transferability
- Needs analysis
- Evaluation of project products by target group
- Dissemination in target group / national context