Projects and Products Portal for Leonardo da Vinci

FORMAR Project - Vocational Training on Sustainable Buildings Maintenance and Refurbishement

539465-LLP-1-2013-1-PT-LEONARD-LMP

http://www.adam-europe.eu/adam/project/view.htm?prj=10978

Project Information

Title: FORMAR Project - Vocational Training on Sustainable Buildings Maintenance and Refurbishement

Project Number: 539465-LLP-1-2013-1-PT-LEONARD-LMP

Year: 2013

Project Type: Development of Innovation

Status: running

Country: EU-Centralised Projects

Marketing Text: The FORMAR project will develop training resources and modules to improve the skills on sustainability issues of workers of buildings maintenance and refurbishment.
The main outcome of the FORMAR project is a set of Units of Short-term Training (UST) to be integrated in the vocational training of carpenters, painters, bricklayers, building technicians and installers of solar panels, and a transversal unit concerning basic concepts on sustainable construction and nearly Zero Energy Buildings (nZEB).
A second goal is to improve the information provided for clients, through the development of a guide to support the procurement decisions related to building products and materials.
The use of the methodological framework of the national catalogue of qualifications of each participating country, and the principles of the European Credit System for Vocational Education and Training (ECVET) in the development of the UST will allow its subsequent integration in these systems.

Summary: Nowadays, the training references that are part of the national catalogues of qualifications do not integrate Units of Short-term Training (UST) concerning sustainability issues. Although the construction industry has adopted several new technical improvements enabling companies to build more sustainable buildings, the training offer is still limited and the European cooperation is relatively weak. The main goal of the project is to develop training resources and modules to improve the skills on sustainability issues of workers of buildings maintenance and refurbishment.
The FORMAR project will contribute to the development of national and sectorial qualifications by:
- Making the connection between the area of sustainability, the construction sector and pedagogical concerns related to the need of appropriate qualified professionals;
- Providing an opportunity for the development of the training itineraries more consistent, allowing the adaptation of existing skills to the present job market, increasing the employability and the labour mobility.

Description: The FORMAR project here described will produce benefits with added value at European level, as well as at national and local level, as it is in line with the goals and priorities of the European Union, as established within the directives aforementioned, and will contribute to achieve them.
The European cooperation that is established in the context of FORMAR project will allow the exchange of experiences between three different networks of stakeholders (national advisory boards), with very similar problems and different local conditions and constraints. The learning experience obtained by the project core partners, associated partners and other stakeholders that will have the opportunity to participate in the different project activities will allow more consistent and relevant Units of Short-term Training, which can be used in and adapted to the specific conditions of other European countries.

Themes:
* Sustainability
* Lifelong learning

Sectors:
* Activities of Households as Employers; Undifferentiated Goods- and Services-Producing Activities of Households for Own Use
* Construction
* Education

Product Types: modules
DVD

Project Information

website
teaching material
others

Product information: Units of Short-term Training (UST) are learning units, capable of autonomous certification and integration in one or more training references, listed in the National Catalogue of Qualifications, allowing the acquisition of certified skills.
The project includes a group of parallel work packages that aim to develop 25-hours UST on sustainability issues oriented to workers of buildings maintenance and refurbishment: carpenters, painters, masons, building technicians, installers of solar panels, and one UST with transversal contents.
All these work packages include the following list of activities concerning the respective profession:
Analysis of needs and existing training materials;
Identification of best practices and constraints;
Development of training modules: unit program and session plans;
Development of the training resources: training contents, practical exercises, and trainer's manuals;
Development of a client's guide to support its purchasing decisions;
Translation from English to three languages: Portuguese, Spanish and French.
The UST with transversal contents will contain modules concerning basic concepts on sustainable construction and "nearly zero energy buildings". The other UST will contain modules concerning basic concepts and relevant environmental aspects of the relevant building products for each profession, considering their types and classification, product's life cycle, labelling and standards, best practices and recommendations for their purchasing, installation, use and end of life. All UST will consider the possibility of conducting field visits and invitations to external entities for dissemination of sustainable building products.
At the end of the training the trainees should be able to choose more sustainable products, especially through the purchase of products that contribute to improved energy performance of buildings and improved indoor air quality. In addition, the trainees will also be able to use a set of best practices for a more sustainable application, use and end of life of these products. In this way, it will be possible to meet the goals of improving the skills of the professionals, and contribute to implement a more sustainable maintenance and refurbishment of buildings.
The development of a client's guide to support its purchasing decisions, to be disseminated in paper and electronic format, will allow an adequate choice of products and solutions, as well as an adequate selection of qualified professionals with additional skills on sustainable construction.
All UST will be evaluated and tested by several stakeholders of the building construction, maintenance and refurbishment sector. The results of the evaluation and testing will then be used to improve the UST.

Projecthomepage: http://www.formarproject.eu

Project Contractor

Name:	Laboratório Nacional de Energia e Geologia
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Country/Region:	Norte
Country:	PT-Portugal
Organization Type:	National Agency
Homepage:	http://www.lneg.pt

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Partner

Partner 1

Name:	CENFIC - Centro de Formação Profssional da Indústria da Constução Civil e Obras Públicas do Sul
City:	Prior Velho
Country/Region:	Lisboa
Country:	PT-Portugal
Organization Type:	continuing training institution
Homepage:	http://www.cenfic.pt

Partner 2

Name:	FCMB - Fedération Compagnonnique des Métiers du Bâtiment
City:	Anglet
Country/Region:	Aquitaine
Country:	FR-France
Organization Type:	continuing training institution
Homepage:	http://anglet.compagnonsdutourdefrance.org/

Partner 3

Name:	Câmara Municipal de Águeda
City:	Águeda
Country/Region:	Centro (P)
Country:	PT-Portugal
Organization Type:	public institution
Homepage:	http://www.cm-agueda.pt

Partner 4

Name:	Câmara Muncipal de Faro
City:	Faro
Country/Region:	Algarve
Country:	PT-Portugal
Organization Type:	public institution
Homepage:	http://www.cm-faro.pt

Partner

Partner 5

Name: FLC - Fundatión Laboral de la Construcción
City: Madrid
Country/Region: Comunidad De Madrid
Country: ES-Spain
Organization Type: continuing training institution
Homepage: http://www.fundacionlaboral.org

Partner 6

Name: BLUECITY Construction, Lda.
City: Sintra
Country/Region: Lisboa
Country: PT-Portugal
Organization Type: SME - small and medium-sized enterprise (up to 250 employees)
Homepage: http://construcaosustentavel.pt/

Partner 7

Name: NOBATEK - Centre de Ressources Tecnologiques
City: Anglet
Country/Region: Aquitaine
Country: FR-France
Organization Type: research institution
Homepage: http://www.nobatek.com

Partner 8

Name: CIRCE - Centro de Investigación de Recursos y Consumos Energéticos
City: Zaragoza
Country/Region: Aragón
Country: ES-Spain
Organization Type: research institution
Homepage: http://www.fcirce.es

Products

1 Training modules

2 Project Website

3 Tutorial videos

4 Teaching resources

5 Guides for clients

6 Scientific papers

7 Progress Report

Product 'Training modules'

Title:	Training modules
Product Type:	modules
Marketing Text:	The project includes a group of parallel work packages on sustainability issues oriented to workers of buildings maintenance and refurbishment: carpenters, painters, masons, building technicians, installers of solar panels, and one UST with transversal contents. All these work packages include the development of training modules: unit program and session plans, and the development of the training resources: training contents, practical exercises, and trainer's manuals, concerning the respective profession. Each UST have a WP leader, already designate in the Application Form.
Description:	All work packages (WP2 tp WP 7) include the development of training modules: unit program and session plans
Target group:	FORMAR Project partners, FORMAR Associated partners, other vocational training centres for construction sector
Result:	Is expected to develop and edit (on-line version) 24 training mudules, four for each UST.
Area of application:	Vocacional Training
Homepage:	
Product Languages:	Portuguese French English Spanish

Product 'Project Website'

Title:	Project Website
Product Type:	website
Marketing Text:	Will be developed a website dedicated to the FORMAR project, the main channel to disseminate and promote the project activities and results for the partners and the public in general. This website provides a platform for extensive information and exchange. An interactive and reciprocating relationship with users will be established. The website also fulfils internal management and coordination functions (e.g. information exchanges between beneficiary partners).
Description:	In order to develop a user-friendly and valuable platform, the following issues will be addressed within the development of the website: - Excellent visual design and text elements in line with the project's branding as specified above; - Convincing and intuitive navigation, architecture and design; - Accessible feedback services; - High-quality and well-presented content; - Appropriate integration of interactive features; and - Links to and from other websites. The Website will go live in January 2014.
Target group:	All stakeholders in the field of construction sector
Result:	The Website will go live in January 2014 (and stay live until the end of 2016 – duration of the project)
Area of application:	Dissemination infomation; Vocacional Training
Homepage:	www.formarproject.eu
Product Languages:	Spanish French Portuguese English

Product 'Tutorial videos'

Title:	Tutorial videos
Product Type:	DVD
Marketing Text:	The classroom testing sessions will be videotaped and the most relevant parts will be selected and edited into a tutorial video per country. This video can be used after the project by the future trainers and also to disseminate the training goals.
Description:	The testing of the Unit of Short-term Training (UST) will be done in classrooms. The classroom testing sessions will be videotaped and the most relevant parts will be selected and edited into a tutorial video per country.
Target group:	FORMAR Project partners, FORMAR Associated partners, other vocational training centers for construction sector, Professional training schools for construction sector and Universities, Public/private research institutes and laboratories, consultants.
Result:	Is expected to develop three tutorial videos one for each country.
Area of application:	Vocacional training.
Homepage:	
Product Languages:	French Portuguese Spanish

Product 'Teaching resources'

Title:	Teaching resources
Product Type:	teaching material
Marketing Text:	The project includes a group of parallel work packages on sustainability issues oriented to workers of buildings maintenance and refurbishment (WP 2 to WP 7): carpenters, painters, masons, building technicians, installers of solar panels, and one UST with transversal contents.
Description:	All these work packages include the development of training modules: unit program and session plans, and the development of the training resources: training contents, practical exercises, and trainer's manuals, concerning the respective profession.
Target group:	FORMAR Project partners, FORMAR Associated partners, other vocational training centres for construction sector, Professional training schools for construction sector and Universities, Public/private research institutes and laboratories, consultants.
Result:	Is expected to develop and edit (on-line version) 24 training materials, four for each UST. Also, is expected to develop and edit 24 trainer's manual, four for each UST.
Area of application:	Vocational Training
Homepage:	
Product Languages:	English Portuguese French Spanish

Product 'Guides for clients'

Title:	Guides for clients
Product Type:	others
Marketing Text:	The project includes in each Unit of Short-term training(UST) the development of a guide, on paper and electronic format, improved the information provided for clients and owners.
Description:	The guide will allow an adequate choice of more sustainable products, solutions or services, but also qualified workers with additional skills on sustainable construction.
Target group:	Clients/End users
Result:	Is expected to develop and edit (on-line and paper versions) 24 guides for clients, four for each UST.
Area of application:	These guides will be widely disseminated in all countries.
Homepage:	
Product Languages:	English French Portuguese Spanish

Product 'Scientific papers'

Title:	Scientific papers
Product Type:	others
Marketing Text:	The result of the work developed during the project will be presented in scientific papers, for dissemination by researchers in the field
Description:	The main responsibility is of the three R&D core partners of the project (LNEG, CIRCE and NOBATEK), but all the over partners will contribute to these deliverables.
Target group:	other vocational training centres for construction sector, Professional training schools for construction sector and Universities, Public/private research institutes and laboratories, Consultants
Result:	Is expected, at least, the submission of three scientific papers (one for each partner, with the national results).
Area of application:	Vocacional Training
Homepage:	
Product Languages:	English

Product 'Progress Report'

Title:	Progress Report
Product Type:	others
Marketing Text:	Report covering the first 18 months of the project period.
Description:	
Target group:	
Result:	
Area of application:	
Homepage:	
Product Languages:	English

product files

2013_3147_PR_FORMAR_pub.pdf

http://www.adam-europe.eu/prj/10978/prd/7/1/2013_3147_PR_FORMAR_pub.pdf
Public Part of Progress Report of FORMAR Project