Projects and Products Portal for Leonardo da Vinci

PIRATE - ECVET Earthbuilding Europe - Provide Instructions and Resources for Assessment and Training in Earth building

528117-LLP-1-2012-1-FR-LEONARDO-LMP

http://www.adam-europe.eu/adam/project/view.htm?prj=9973

Project Information

Title: PIRATE - ECVET Earthbuilding Europe - Provide Instructions and Resources for Assessment and Training in Earth building

Project Number: 528117-LLP-1-2012-1-FR-LEONARDO-LMP

Year: 2012

Project Type: Development of Innovation

Status: running

Country: EU-Centralised Projects

Marketing Text: EARTH - the most creative, universal building material for sustainable architecture, building and decoration.
ECVET - a tool to create resources for training to support two growing business sectors: eco-construction and retrofitting for environmental and energy requirements.
PIRATE - a project to develop a complete ECVET for earth building!
Our units of learning outcomes, vehicles of new standards of competence needed by a growing market, will:
• empower professionals, offer modular qualification, encourage employment opportunities and mobility, further skills training to help job search;
• guide teachers when defining new content and assessment procedures, judging learners performance;
• be a tool for certifying bodies when reviewing or creating qualifications, looking for transnational compatibility.
Most PIRATE partners have contributed to other European funded projects with an earth building emphasis. The PIRATE workgroups will create links, share experience and accumulate results.

Summary: This project contributes to address the constantly rising social demand for improving the ecological and energy balance in the construction sector. Its aim is to favour an increase of the number of workers and supervisors qualified in natural and healthy building materials, more specifically earth building materials and techniques, both for new construction and rehabilitation of heritage buildings.

The objective is to establish favourable conditions for an increase of the training opportunities (Level 3 to 6) for the use of earth building materials and techniques, including flexible routes for lifelong learning (mobility, transfer, validation processes).

To achieve this, the project will act towards the standardisation of the certification of the learning outcomes in earth building, in a system recognised across Europe. This will be done following the recommendations of the European parliament and council (ECVET, ECTS, EQF), through creating a full range of learning outcomes in a comparative and transparent manner, and favouring the possibilities for international mobility and lifelong learning opportunities for learners and practitioners.

The project will allow enhancing European wide exchange and inter-professional dialogue on earth building skills, modern and innovative techniques among training providers. Consortium partners will also take the opportunity of the project to learn about and compare typical building technologies, norms and standards, and trades and crafts of different countries. That will also contribute to the re-appropriation of vernacular construction methods and materials. This can induce a recovery of autonomy, self capacity to develop competence, and also pleasure and creativity in the professional development.

Description: The project will associate 3 parallel development stages to implement ECVET
- Experiment procedures for integration of units of new learning outcomes into existing qualifications, in collaboration with competent institutions.
- Design new learning outcomes and test procedures for their assessment in national context and their transfer in mobility context, with credit award.
- Develop concepts to combine ECVET and ECTS.

Project Information

The issues will be translated into operational and quality recommendations.

Themes:
*** Lifelong learning
*** Recognition, transparency, certification
*** Initial training
** Sustainability
** Higher education
** Enterprise, SME
** Equal opportunities
** Continuous training
* Utilization and distribution of results
* Labor market
* Quality
* Intercultural learning
* Vocational guidance

Sectors:
*** Construction
** Education

Product Types:
description of new occupation profiles
evaluation methods
Film
website
transparency and certification

Product information: The main product will be a matrix of ECVET units of learning outcomes for EQF levels 3 and 4, with criteria of assessment, in the main earth building load bearing wall techniques : rammed earth, cob, earth brick masonry (compressed bloc or adobe).

Projecthomepage: http://pirate.earthbuilding.eu

Project Contractor

Name:	CRAterre
City:	Villefontaine
Country/Region:	Rhône-Alpes
Country:	FR-France
Organization Type:	association/non-governmental organisation
Homepage:	http://www.craterre.org

Contact Person

Name:	Didier
Address:	
City:	
Country:	FR-France
Telephone:	
Fax:	
E-mail:	craterre.ldidier@sfr.fr
Homepage:	

Coordinator

Name:	CRAterre
City:	Villefontaine
Country/Region:	Rhône-Alpes
Country:	FR-France
Organization Type:	association/non-governmental organisation
Homepage:	http://www.craterre.org

Contact Person

Name:	Didier
Address:	
City:	
Country:	FR-France
Telephone:	
Fax:	
E-mail:	craterre.ldidier@sfr.fr
Homepage:	

Partner

Partner 1

Name: P6_LMDC Université Paul Sabatier Toulouse III
City: Toulouse
Country/Region: Midi-Pyrenees
Country: FR-France
Organization Type: research institution
Homepage: http://www-lmdc.insa-toulouse.fr

Partner 2

Name: P4_AFPA centre de St-Etienne
City: Saint-Etienne
Country/Region: Rhône-Alpes
Country: FR-France
Organization Type: continuing training institution
Homepage: http://www.rhone-alpes.afpa.fr

Partner 3

Name: P10_LehmBauWerk
City: Berlin
Country/Region: Berlin
Country: DE-Germany
Organization Type: SME - small and medium-sized enterprise (up to 250 employees)
Homepage: http://www.lehmbauwerk.de

Partner 4

Name: P16_ArTUR Architektúra pre trvalo udržatený rozvoj
City: Bratislava
Country/Region: Bratislavsky Kraj
Country: SK-Slovakia
Organization Type: association/non-governmental organisation
Homepage: http://www.ozartur.sk

Partner

Partner 5

Name: P14_ESTEPA Estudios sobre Tierra Energía, Patrimonio y Ambiente
City: Medina de Rioseco
Country/Region: Castilla y León
Country: ES-Spain
Organization Type: association/non-governmental organisation
Homepage:

Partner 6

Name: P12_Lübeck University of applied sciences
City: Lübeck
Country/Region: Schleswig-Holstein
Country: DE-Germany
Organization Type: research institution
Homepage: http://www.fh-luebeck.de

Partner 7

Name: P8_Dachverband Lehm e.V.
City: Weimar
Country/Region: Thüringen
Country: DE-Germany
Organization Type: association/non-governmental organisation
Homepage: http://www.dachverband-lehm.de

Partner 8

Name: P3_AsTerre
City: Petit Couronne
Country/Region: Haute Normandie
Country: FR-France
Organization Type: association/non-governmental organisation
Homepage: http://www.asterre.org

Partner

Partner 9

Name: P17_SHS Sdružení hlinného stavitelství
City: Brno
Country/Region: Stredni Morava
Country: CZ-Czech Republic
Organization Type: association/non-governmental organisation
Homepage: http://www.hlina.info

Partner 10

Name: P19_BiWeNa
City: Verden
Country/Region: Niedersachsen
Country: DE-Germany
Organization Type: association/non-governmental organisation
Homepage:

Partner 11

Name: P13_EBUK Earth Building UK
City: Liskeard
Country/Region: Cornwall and Isles of Scilly
Country: UK-United Kingdom
Organization Type: association/non-governmental organisation
Homepage:

Partner 12

Name: P18_Kua uvarkua
City: Novi Sad
Country/Region: Other region
Country: Other country
Organization Type: SME - small and medium-sized enterprise (up to 250 employees)
Homepage: http://www.kucacuvarkuca.com

Partner

Partner 13

Name: P11_Fachverband Strohballenbau Deutschland e.V.
City: Verden
Country/Region: Niedersachsen
Country: DE-Germany
Organization Type: association/non-governmental organisation
Homepage: http://www.fasba.de

Partner 14

Name: P7_FAL-e.V.
City: Ganzlin
Country/Region: Mecklenburg-Vorpommern
Country: DE-Germany
Organization Type: association/non-governmental organisation
Homepage: http://www.fal-ev.de

Partner 15

Name: P15_FCT/UNL Faculdade de Ciências e Tecnologia Universidade Nova de Lisboa
City: Caparica
Country/Region: Lisboa
Country: PT-Portugal
Organization Type: research institution
Homepage: http://http://www.fct.unl.pt/en

Partner 16

Name: P2_AE&CC-ENSAG
City: Grenoble
Country/Region: Rhône-Alpes
Country: FR-France
Organization Type: public institution
Homepage: http://www.grenoble.archi.fr

Partner

Partner 17

Name:	P9_Berufliches Schulzentrum Leipziger Land
City:	Böhlen
Country/Region:	Leipzig
Country:	DE-Germany
Organization Type:	initial training
Homepage:	http://www.bsz-leipziger-land.de

Partner 18

Name:	P5_Les Compagnons du Devoir du Tour de France
City:	Colomiers
Country/Region:	Midi-Pyrenees
Country:	FR-France
Organization Type:	continuing training institution
Homepage:	http://www.compagnons-du-devoir.com

Project Files

Pirate_flyer_CZ.pdf

http://www.adam-europe.eu/prj/9973/prj/Pirate_flyer_CZ.pdf

Pirate_flyer_DE.pdf

http://www.adam-europe.eu/prj/9973/prj/Pirate_flyer_DE.pdf

PIRATE_flyer_EN.pdf

http://www.adam-europe.eu/prj/9973/prj/PIRATE_flyer_EN.pdf

Pirate_flyer_ES.pdf

http://www.adam-europe.eu/prj/9973/prj/Pirate_flyer_ES.pdf

PIRATE_flyer_FR.pdf

http://www.adam-europe.eu/prj/9973/prj/PIRATE_flyer_FR.pdf

Pirate_flyer_PT.pdf

http://www.adam-europe.eu/prj/9973/prj/Pirate_flyer_PT.pdf

Pirate_flyer_RS.pdf

http://www.adam-europe.eu/prj/9973/prj/Pirate_flyer_RS.pdf

Pirate_flyer_SK.pdf

http://www.adam-europe.eu/prj/9973/prj/Pirate_flyer_SK.pdf

PIRATE_newsletter1_EN.pdf

http://www.adam-europe.eu/prj/9973/prj/PIRATE_newsletter1_EN.pdf

PIRATE_newsletter2_EN.pdf

http://www.adam-europe.eu/prj/9973/prj/PIRATE_newsletter2_EN.pdf

PIRATE_progress report 2014.pdf

http://www.adam-europe.eu/prj/9973/prj/PIRATE_progress%20report%202014.pdf

Products

1 Matrix of ECVET Units of learning outcomes in earth building

2 List of Earth Building activities to integrate into existing crafts and trades

3 Key actors directory

4 Test meeting 1

5 Test meeting 2

6 Project web site

7 Newsletters

8 Project flyer

9 Project leaflet

10 ECVET Earth web portal

11 Video clips

12 Public progress report

13 Public report

14 Conference articles

Product 'Matrix of ECVET Units of learning outcomes in earth building'

Title:	Matrix of ECVET Units of learning outcomes in earth building
Product Type:	evaluation methods
Marketing Text:	
Description:	The matrix of learning outcomes in earth building techniques provides lists of knowledge, skills and competence as well as criteria, indicators, recommendations for assessment. It is translated into all partnership's languages and published on the public website as a printable electronic document
Target group:	Trainers, training providers, assessors, learners, certifying bodies
Result:	
Area of application:	Competent bodies for certification will have access to: - models for learning agreements for mobility exchanges in the earthbuilding field; - examples of procedure for application of ECVET; - example of evaluation of informal and non formal learning outcomes ; - example of transfer and validation (transnational and national) ; - quality recommendations for application of ECVET; - proposal for quality recommendations; - proposal for combination of ECTS and ECVET.
Homepage:	
Product Languages:	Serbian Portuguese German English French Czech Spanish Slovak

product files

5.1-MATRIX OF ECVET UNITS_CZ.pdf
http://www.adam-europe.eu/prj/9973/prd/1/1/5.1-MATRIX%20OF%20ECVET%20UNITS_CZ.pdf

5.1-MATRIX OF ECVET UNITS_DE.pdf
http://www.adam-europe.eu/prj/9973/prd/1/1/5.1-MATRIX%20OF%20ECVET%20UNITS_DE.pdf

5.1-MATRIX OF ECVET UNITS_EN.pdf
http://www.adam-europe.eu/prj/9973/prd/1/1/5.1-MATRIX%20OF%20ECVET%20UNITS_EN.pdf

5.1-MATRIX OF ECVET UNITS_ES.pdf
http://www.adam-europe.eu/prj/9973/prd/1/1/5.1-MATRIX%20OF%20ECVET%20UNITS_ES.pdf

5.1-MATRIX OF ECVET UNITS_FR.pdf
http://www.adam-europe.eu/prj/9973/prd/1/1/5.1-MATRIX%20OF%20ECVET%20UNITS_FR.pdf

5.1-MATRIX OF ECVET UNITS_PT.pdf
http://www.adam-europe.eu/prj/9973/prd/1/1/5.1-MATRIX%20OF%20ECVET%20UNITS_PT.pdf

product files

5.1-MATRIX OF ECVET UNITS_SK.pdf

http://www.adam-europe.eu/prj/9973/prd/1/1/5.1-MATRIX%20OF%20ECVET%20UNITS_SK.pdf

5.1-MATRIX OF ECVET UNITS_SR.pdf

http://www.adam-europe.eu/prj/9973/prd/1/1/5.1-MATRIX%20OF%20ECVET%20UNITS_SR.pdf

PIRATE MATRIX.pdf

http://www.adam-europe.eu/prj/9973/prd/1/1/PIRATE%20MATRIX.pdf

Product 'List of Earth Building activities to integrate into existing crafts and trades'

Title:	List of Earth Building activities to integrate into existing crafts and trades
Product Type:	description of new occupation profiles
Marketing Text:	
Description:	The list will be published in the collaboration platform as electronic document in all the partners languages, after the kick-off meeting. It is the base for the design of the matrix in the 3 workgroups
Target group:	Project partners and national certification committees
Result:	
Area of application:	
Homepage:	
Product Languages:	English

Product 'Key actors directory'

Title:	Key actors directory
Product Type:	others
Marketing Text:	
Description:	An online directory gathers all contacts with VET and HE education providers, certifying bodies, relay bodies, decision makers, etc, made by the partners and is available for the partners only, through the online collaboration platform. New contacts can be added all along the project.
Target group:	project partners
Result:	
Area of application:	
Homepage:	
Product Languages:	English

Product 'Test meeting 1'

Title:	Test meeting 1
Product Type:	evaluation methods
Marketing Text:	
Description:	June 2014 Assessment in a national VET context, organised by P4. Participating: WG MONO and some persons of WG BRICK.
Target group:	Learners and craftspeople, trainers, project partners
Result:	
Area of application:	
Homepage:	
Product Languages:	

Product 'Test meeting 2'

Title:	Test meeting 2
Product Type:	evaluation methods
Marketing Text:	
Description:	January 2015 Assessment of german and French learners (mobility), test of transfer of credits and validation Organised by P9 Participate : BRICK WG members and some of WG MONO
Target group:	Learners and craftspeople, trainers, project partners
Result:	
Area of application:	
Homepage:	
Product Languages:	

Product 'Project web site'

Title:	Project web site
Product Type:	website
Marketing Text:	
Description:	The project public website is linked to the collaboration platform. Public pages will start short before the kick-off meeting in December 2012 (month 4). It will be maintained for at least 5 years (until 2017). The website will provide information about the project aims, programme and partners, including links to their website and email. The website will be developed during the project according to the updated dissemination needs. It will be used to make available to the public the projects results and products all along the project, for free download. The website will contain sections in each language of the partnership : EN, FR, DE, ES, PT, CZ, SK, SR. december 2012
Target group:	
Result:	
Area of application:	
Homepage:	http://pirate.earthbuilding.eu
Product Languages:	English

Product 'Newsletters'

Title:	Newsletters
Product Type:	others
Marketing Text:	What is these PIRATE's quest about? They are looking for earth! The purpose of all their activities is to get earth recognized as a modern, healthy, creative and sustainable building material. And as a such to be taught to any professional of the construction sector, from the mason to the engineer. The projects newsletters tell about the partners efforts to introduce earth into national training systems.
Description:	An electronic newsletter will be released twice a year during the projects life. It contains updates about main events and outcomes of the project. It will include focus from partners about specific aspect of the project. The newsletter will be sent to all public who submitted for it on the website.
Target group:	trainers and teachers, learners, assessors, training providers
Result:	Newletter 1 (february 2013) and presents the consortium and gives insight in partner activities Newsletter 2 (september 2013)
Area of application:	The newsletters are used on all the levels of dissemination. They are available on the public project website and and sent to - the staff and members of the project partners - all the persons and organizations the partners are in contact with, both in the european process of describing learning outcomes and in the national process of certifying ECVET units.
Homepage:	http://pirate.greenbuildingtraining.eu/public/?page_id=236
Product Languages:	English

product files

Newsletters, fly, leaflet, booklet

PIRATE_flyer_EN.pdf
http://www.adam-europe.eu/prj/9973/prd/7/2/PIRATE_flyer_EN.pdf

PIRATE_flyer_FR.pdf
http://www.adam-europe.eu/prj/9973/prd/7/2/PIRATE_flyer_FR.pdf

PIRATE_newsletter1_EN.pdf
http://www.adam-europe.eu/prj/9973/prd/7/2/PIRATE_newsletter1_EN.pdf

PIRATE_newsletter2.pdf
http://www.adam-europe.eu/prj/9973/prd/7/2/PIRATE_newsletter2.pdf

PIRATE_newsletter3.pdf
http://www.adam-europe.eu/prj/9973/prd/7/2/PIRATE_newsletter3.pdf

PIRATE_newsletter4.pdf
http://www.adam-europe.eu/prj/9973/prd/7/2/PIRATE_newsletter4.pdf

product files

PIRATE_newsletter5.pdf

http://www.adam-europe.eu/prj/9973/prd/7/2/PIRATE_newsletter5.pdf

PIRATE_newsletter6.pdf

http://www.adam-europe.eu/prj/9973/prd/7/2/PIRATE_newsletter6.pdf

Product 'Project flyer'

Title:	Project flyer
Product Type:	others
Marketing Text:	Look at the map and imagine the network these PIRATEs are about to weave across Europe! The builders, trainers, architects and engineers involved in this ECVET project are determined to share their treasure with you : earth building skills and techniques, as ancient as mankind but as new as low energy housing, disaster prevention and affordable housing.
Description:	1000 flyers with basic information on the project aims and partners and including contact information, will be printed and distributed to partners during the kick-off meeting. It serves mainly to redirect towards the website. These flyers contain very few text and are therefore only printed in English. Partners may edit pdf versions in their language.
Target group:	- partners staff and members, - key actors for dissemination and certification, - builders involved in the development process of the new units of learning outcomes
Result:	The English flyer has been printed in november 2012 and distributed during the kick-off meeting among the consortium partners for further dissemination. Unfortunately there is a mistake in the adress of the project website on the printed flyer (http//: instead of http://) Since the flyer has been translated into several other languages : FR, CZ, PT
Area of application:	
Homepage:	
Product Languages:	English

Product 'Project leaflet'

Title:	Project leaflet
Product Type:	
Marketing Text:	
Description:	200 Leaflet per country will be printed for mid-term meeting. They contain the flyer information and some first results. They are used as the flyer and to inform key contacts in fairs, meetings, and by mail.
Target group:	
Result:	
Area of application:	
Homepage:	
Product Languages:	English

product files

leaflet_pirate_2015_cz_low_def.pdf
http://www.adam-europe.eu/prj/9973/prd/9/1/leaflet_pirate_2015_cz_low_def.pdf

Leaflet-pirate-2015-DE_low-def.pdf
http://www.adam-europe.eu/prj/9973/prd/9/1/Leaflet-pirate-2015-DE_low-def.pdf

leaflet_pirate_2015_en_low_def.pdf
http://www.adam-europe.eu/prj/9973/prd/9/1/leaflet_pirate_2015_en_low_def.pdf

leaflet_pirate_2015_es_low_def.pdf
http://www.adam-europe.eu/prj/9973/prd/9/1/leaflet_pirate_2015_es_low_def.pdf

Leaflet pirate 2015 FR_high def.pdf
http://www.adam-europe.eu/prj/9973/prd/9/1/Leaflet%20pirate%202015%20FR_high%20def.pdf

leaflet_pirate_2015_fr_low_def.pdf
http://www.adam-europe.eu/prj/9973/prd/9/1/leaflet_pirate_2015_fr_low_def.pdf

leaflet_pirate_2015_pt_low_def.pdf
http://www.adam-europe.eu/prj/9973/prd/9/1/leaflet_pirate_2015_pt_low_def.pdf

leaflet_pirate_2015_sk_low_def.pdf
http://www.adam-europe.eu/prj/9973/prd/9/1/leaflet_pirate_2015_sk_low_def.pdf

leaflet_pirate_2015_sr_low_def.pdf
http://www.adam-europe.eu/prj/9973/prd/9/1/leaflet_pirate_2015_sr_low_def.pdf

Poster pirate 2015 FR.pdf
http://www.adam-europe.eu/prj/9973/prd/9/1/Poster%20pirate%202015%20FR.pdf

product files

Product 'ECVET Earth web portal'

Title:	ECVET Earth web portal
Product Type:	others
Marketing Text:	
Description:	A website will present the results of the project.
Target group:	
Result:	http://ecvetearth.hypotheses.org/
Area of application:	
Homepage:	
Product Languages:	English

Product 'Video clips'

Title:	Video clips
Product Type:	Film
Marketing Text:	
Description:	Summary movies (clips) will be created by P18 from workgroup and test meetings recorded material. The final product composed of all 5 movies is aimed at project workgroups and at certification and VET institutions. All 5 movies will be available for free download on the public website. IPR for the movies will be considered.
Target group:	
Result:	01 PIRATE INTRO Overall: https://youtu.be/RlvAk8w9xw8 02 Pirate UNIT M: https://youtu.be/ccq71GAmNy4 03 Pirate UNIT F: https://youtu.be/PLA44lPLQaw 04 Pirate UNIT P: https://youtu.be/FcI5UygGstY 05 Pirate UNIT E: https://youtu.be/wLC5TKCrtHg 06 Pirate UNIT R: https://youtu.be/r_DddXgprOA 07 Pirate UNIT B: https://youtu.be/G3IMC_Y9AgQ 08 Pirate UNIT Bre: https://youtu.be/4cx_uKyTYX8 09 Pirate UNIT Bcob: https://youtu.be/bQzf3tefn-w 10 Pirate UNIT Bm: https://youtu.be/Ooffg0HHW2M
Area of application:	
Homepage:	
Product Languages:	English

Product 'Public progress report'

Title:	Public progress report
Product Type:	others
Marketing Text:	Get a glimpse of the current state of the Pirate project!
Description:	This short and illustrated paper summarizes the project's main issues: objectives, approach, outcomes & results, partnership, plans for the future, contribution to EU policies.
Target group:	construction and eco-building sector: Trainers, teachers and training providers, learners, certifiers, building companies and workers
Result:	Public part of the interim report
Area of application:	Dissemination. Explanations to future users.
Homepage:	http://pirate.greenbuildingtraining.eu/public/pirate-results-for-download/
Product Languages:	English

product files

PIRATE_progress report 2014.pdf

http://www.adam-europe.eu/prj/9973/prd/12/1/PIRATE_progress%20report%202014.pdf

Product 'Public report'

Title:	Public report
Product Type:	
Marketing Text:	
Description:	
Target group:	
Result:	Public part of the final report
Area of application:	
Homepage:	
Product Languages:	English

product files

2012_3421_FR_PIRATE_pub-1.pdf

http://www.adam-europe.eu/prj/9973/prd/13/1/2012_3421_FR_PIRATE_pub-1.pdf
ECVET Earthbuilding Europe - Provide instructions and resources for assessment and training in earthbuilding PIRATE. Final report, public part

Product 'Conference articles'

Title: Conference articles

Product Type:

Marketing Text:

Description: Two articles presented at the 10th healthy Houses and at the IAHS conference.
- PACCOUD, Grégoire, DIDIER, Lydie, 2014. « Earth goes Europe ». In : 10. Mezinarodni konference: zdrave domy 2014. Brno : [s.n.], p. 128136.

- JÖRCHEL, Stephan, DIDIER, Lydie, KEABLE, Rowland, FARIA, Paulina, 2014. « Provide instructions and resources for assessment and training in earthbuilding - the Pirate project ». In : 40th IAHS World Congress on Housing: sustainable housing construction, december 16-19, Funchal, Portugal. Funchal : Institute for Research and Technological Development in Construction Sciences, University of Coimbra & Faculty of Engineering of the University of Porto

Target group:

Result:

Area of application:

Homepage:

Product Languages: English

product files

Jorchel_et_al_Provide_instructions.pdf

http://www.adam-europe.eu/prj/9973/prd/14/1/Jorchel_et_al_Provide_instructions.pdf
Earth is a unique building material which is easily accessible and available. Building products and processes using earth need little embodied energy during the whole life circle. The use of earthen building material reduces the carbon dioxide emissions and contributes to a healthy indoor climate. Moreover earth architecture has an aesthetic value. Historic and modern buildings take advantage of these technical, aesthetic, environmental and social benefits. There is a still small but growing market in earth construction. The advances obtained with PIRATE project, trying to contribute for the growth of this specific market, will be presented in this paper. The PIRATE project aims to disseminate the benefits of modern earth construction by creating lifelong learning opportunities, putting the emphasis on competence standards in this sector. Eighteen organisations from eight European countries, all active in the earth construction sector as professional associations, education and training providers or small companies, have come together to develop units of learning outcomes and get them recognised within national certified courses. The new standards comply with the European Qualification Framework (EQF) and the European Credit System for Vocational Education and Training (ECVET)

Paccoud_Didier_Earth_goes_Europe.pdf

http://www.adam-europe.eu/prj/9973/prd/14/1/Paccoud_Didier_Earth_goes_Europe.pdf
Earth material has numerous advantages when it comes to reducing environmental impacts in the building sector, but its use remains limited as few professionnals are trained : very few formal trainings exist at european level. European earth-building training projects were undertaken during the last years to open the way for the official recognition of earth-building's skills and knowledge. This is an essential part of the effort to widespread the use of earth in the building sector. This paper intends to stress the interests of assessment to get earth construction recognized and introduced in current construction trainings at all levels, and to recognize learning outcomes to deliver certificates. Firstly, the concepts of assessment criteria and units of learning outcomes, part of the ECVET framework (European Credit system for Vocational and Educational Training) will be described through example of previous experiences in european earth-building training. In a second part, the development of this experience acquired with projects dealing with clay plasters will be presented : the PIRATE (Provide Instructions and Recommendations for the Assessment and Training in Earth-building) project aims to build with 18 european partners the foundations of european earth masonry and supervision trainings by proposing assessment criteria and defining units of learning outcomes able to integrate existing curricula. Finally, the current progress of this project will open to questions about the opportunities and issues encountered so far.

Events

BRICK Test

Date	25.02.2015
Description	Our second test exam aims at re-evaluating the matrix design in a different environment and including mobility issues. It is planned and organised in the formal context of an experienced VET centre, welcoming 2 foreign trainees. We use the level 3 & 4 drafts to assess learning outcomes for unit Bb. With BRICK Test, we end the validation phase of the project.
Target audience	
Public	Closed event
Contact Information	
Time and place	Berufliches Schulzentrum Leipziger Land, Böhlen, Germany 25-28 of February 2015

IAHS 2014 Conference

Date	16.12.2014
Description	The main purpose of the congress was to debate topics related to new environmentally friendly construction materials and technologies, energy efficiency in buildings, waste management, and other topics linked to sustainability in construction. Our Presentation in the session TS03 - Earthen Housing Construction: Was about the PIRATE Project, its aims, network (partners) and content as well as presentation of midterm results and discussion with audience on how to increase the impact of earth building in the construction sector in the EU.
Target audience	
Public	Closed event
Contact Information	
Time and place	Funchal, Madeira, Portugal December 16th to 19th December 2014

Events

Healthy Houses 2014 conference

Date 10.10.2014

Description The conference was visited by a group of European partners of the earth building and training network. Partners of PIrate Project and of the project New Members of ECVET Earth building participated. There was a joint presentation by the two projects about ECVET Earth building. First Grégoire Paccoud - as P2 in Pirate project presented a presentation about assessment and certification.
Then Uta Herz - as a participant of the “New Members for ECVET Earth building” presented the European Earth Building Network. The presentation aimed to give a background understanding of the history and future of European networking to improve VET in Earth Building and a background understanding of how the PIRATE project started.
Then the different partners sat in the podium and each of them told how and why they joined the European Earth building network. This was a unique experience for the audience listening to earth building partners from Poland, France, Germany, Cyprus, Spain, UK, Slovakia and of course Czeck Republic.

Target audience

Public Closed event

Contact Information

Time and place Brno, Czech Republic
October 10th 2014

OVERALL 2

Date 08.07.2014

Description We split in 8 small groups working on different topics (refer to To do list):
Units and Criteria completion and merging, translation, List of earth activities, MoU - Moby Dick, Glossary, Newsletter, Website, leaflet and media content, Copyright, Certificates database, BRICK test, ECTS - ECVET, L5 Units.

And plenary sessions.

Target audience

Public Closed event

Contact Information

Time and place Colegio de Arquitectos de León, Delegación Palencia, Palencia, ES
08 - 11 July 2014

Events

MONO Test

Date	10.06.2014
Description	Our first test exam has been planned and organised in a national context and in an experienced VET centre, where we used the level 3 & 4 units drafts to assess learning outcomes. With Mono Test, we started the validation phase of the project.
Target audience	
Public	Closed event
Contact Information	
Time and place	Centre AFPA de St-Etienne & Les Jardins de l'Oasis, France 10-13 of June 2014

Events

SUPERV 2

Date 17.02.2014

Description At the end of SUPERV1, we have decided that the units described in the CSPM1 document were too detailed (too many units) and we have decided to create a specific unit frame by grouping some of CSPM units and by developing some others (for example for “Study”). This new frame is composed of eight units.

P6 has presented a first draft of learning outcomes for these 8 units (French version from 30 of May 2013 and 27 of January 2014, partial English translation from 10 of February 2014. P3 has amended these documents (drafts of February 13th 2014). The learning outcomes listed in the 8 units are derived from

a) the competence standards of the French “national teaching program”(PPN) for civil engineering and sustainable construction;
b) the eight CSPM units
c) the learning outcomes listed in the ROME (Répertoire Opérationel des Métiers et des Emplois = professions and jobs database of the French Job centre).
d) some learning outcomes described in certain qualification of the RNCP database (www.rncp.cncp.gouv.fr).

• The main objective of SUPERV2 was to add learning outcomes specific to earth construction into these units.

• The second objective of Superv 2 was to start the discussion/creation of assessment criteria for levels 5 and 6.

• Further objectives were

- the presentation of the results of the survey about earth contents in teaching programmes of higher education
- the work on the glossary (WP2) of building professions
- a look at the homework planned after superv 1
- the domains for trades, occupation, professions in building sector at levels 5, 6 and 7 in the various countries present in superv group (UK, Germany, France and Portugal),
- the existing national documents on the description of skills at levels 5, 6 and 7.

Target audience Toulouse, FR
17-20 of February 2014

Public Closed event

Contact Information

Time and place

Events

BRICK 2

Date	20.01.2014
Description	Validation of number of units and their learning outcomes (knowledge, skills, competence). Presentation about how the different countries prepared input about criteria and Indicators. Establish and discuss criteria and indicators for skills assessment.
Target audience	
Public	Closed event
Contact Information	
Time and place	Hotel Fortuna, Senec, SK 20-24 of January 2014

MONO 2

Date	21.11.2013
Description	The big issues to be sorted at the second meeting of the MONO group were: (1) to validate the number of MONO Units; (2) to validate knowledge and skills of MONO Units of Level 4; (3) to build MONO Units for Level 3; (4) to complete competence of MONO Units for Levels 3 and 4; (5) to discuss and develop criteria and indicators for assessment upon every partners national gathering; (6) to inform everyone on interim report, templates, process, deadlines, dissemination, etc..
Target audience	
Public	Closed event
Contact Information	
Time and place	Biblioteca Municipal Manuel da Fonseca, Santiago do Cacém, PT 21-23 of November 2013

Events

DACUM 1

Date	10.06.2013
Description	Qualified worker in earth building (analysis focused on clay brick masonry and dry lining with earth, in Germany)
Target audience	
Public	Closed event
Contact Information	
Time and place	Böhlen (Leipzig), DE 10. – 11. June 2013

SUPERV 1

Date	18.04.2013
Description	1. Assessment of the national situation in each country regarding - qualifications and jobs of levels 5 and 6 in the construction sector; - the existing earth training initiatives at higher educational level. 2. Assessment of the existing units of learning outcomes for “construction site practical manager” (CSPM, European project “Formation Credit Points” PP 146 294/2005) to see whether they apply to earth building sites.
Target audience	
Public	Closed event
Contact Information	
Time and place	Chamber of crafts, Lübeck, DE 18-19 of April 2013

Events

BRICK 1

Date	13.03.2013
Description	The core of the first meeting of workgroup BRICK is to share the national meetings results about levels and units and to find how to shape the units according to the different national and professional frames and experiences. To achieve a shared result, small transnational groups are formed. It is expected to have a common list of units, as well as a common list of skills and knowledge at the end of the meeting..
Target audience	
Public	Closed event
Contact Information	
Time and place	Les Compagnons du Devoir 28 rue des Pyrénées 31400 Toulouse 13,14,15 mars 2013

MONO 1

Date	02.02.2013
Description	The first meeting of the MONO group was to start the technical process of capturing, writing and sorting materials from the national group meetings into Skills, Knowledge and Competence. This was discussed in the light of the need to bring two technologies, rammed earth and cob, into a single process and the best way to achieve that. It is expected to have a common, agreed list of skills (tasks) and knowledge, divided according to 4 to 6 main categories of activities (units) by the end of the meeting.
Target audience	
Public	Closed event
Contact Information	
Time and place	2-4 of February 2013, Devon, UK

Events

Kick-off meeting

Date	28.11.2012
Description	DAY 1: Presentation of the partners. Summary about previous project results and ECVET. Presentation of the structure of the project: - Aims, deliverables, calendar, exploitation, - Dissemination, - Quality management, - Financial aspects. Workshops : - Our tools for collaboration and communication, - Partners budget and budget tables for financial reports, - National certification strategies and committees and key actors directories, - List of earth building activities (terminology, levels) in different crafts and trades. DAY 2: Work packages and project methodology, tasks of the partners, milestone interim report. Introduction to the DACUM method and ECVET units matrix, constitution of the 3 project workgroups MONO, BRICK, SUPERV, plan the WG meetings. Evaluation, to do list, dates, synthesis of the workshops.
Target audience	Partners and relay bodies 35-40 persons
Public	Event is open to the public
Contact Information	AE&CC, ENSAG gregoire.paccoud@grenoble.archi.fr
Time and place	Grenoble architecture school, wednesday 28 and thursday 29 November 2012