

TRAINEE

Toward market-based skills for sustainable Energy Efficient construction

Programme H2020
ENERGY EFFICIENCY CALL 2016-2017
TOPIC : Construction skills
Topic identifier: EE-14-2016-2017

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/ee-14-2016-2017.html>

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Topic identifier:	EE-14-2016-2017		
Publication date:	14 October 2015		
Types of action:	CSA Coordination and support action		
DeadlineModel:	single-stage	Deadline:	15 September 2016 17:00:00
Opening date:	15 March 2016		
Types of action:	CSA Coordination and support action		
DeadlineModel:	single-stage	Deadline:	07 June 2017 17:00:00
Opening date:	19 January 2017		
	Time Zone : (Brussels time)		

Basic information

Duration: 30 months

Estimated budget: 750.000 eur

Project partners:

Participant organisation name	Country
Economic Chamber of Macedonia - ECM (Coordinator)	MK
ZBK KREACIJA Association of business and consultancy	MK
Faculty of Electrical Engineering and Information Technologies, Ss Cyril and Methodius University, Skopje - FEEIT	MK
Engineering institution of Macedonia –EIM	MK
Adult Education Centre - AEC	MK

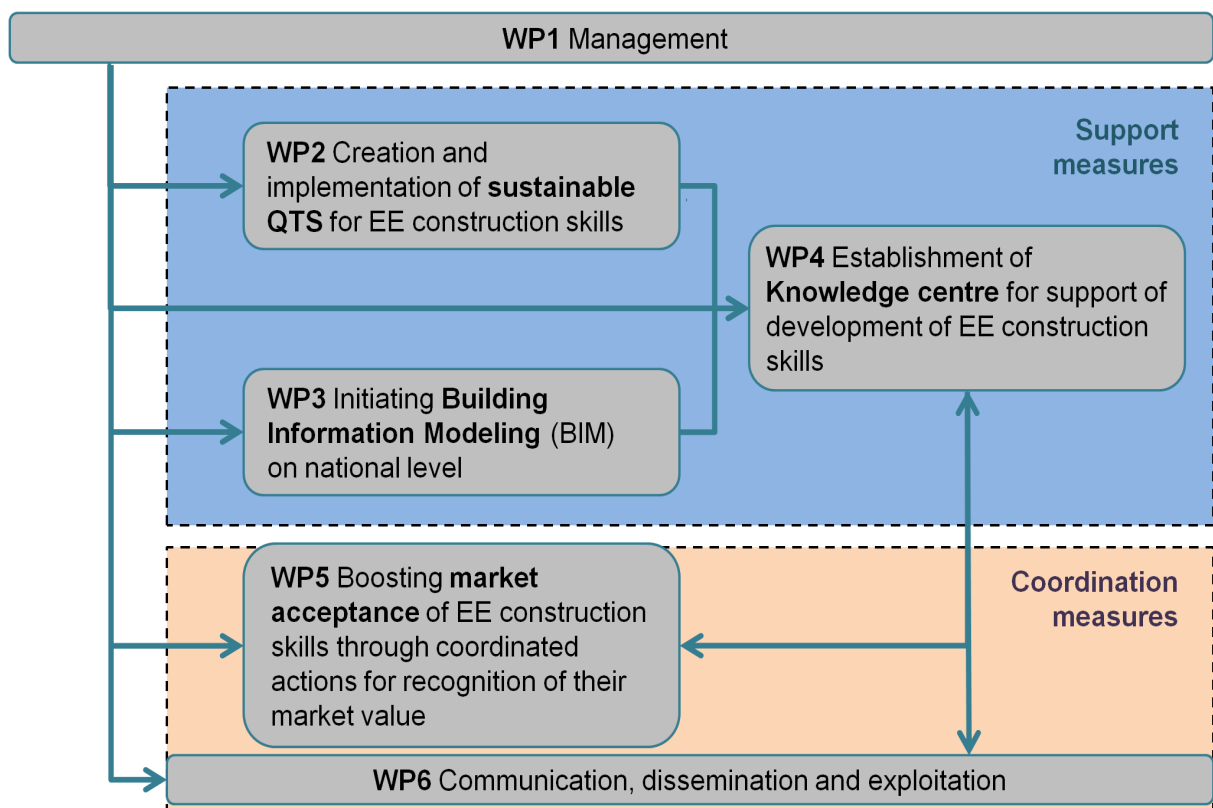
Objectives

Overall objective—Building Qualified Building workforce

Specific objectives

- O1** further improving the skills of middle and senior level professionals and blue collar workers in the area of sustainable energy efficient construction, throughout the entire value chain of the buildings sector
- O2** enhancing multidisciplinary approach to sustainable construction, through initiating BIM issue at national level
- O3** improving market recognition of upgraded construction skills to be tackled by enhancing collaboration across different professional groups

Planned working packages



Building SKILLS for More Energy Efficient Buildings

BUILD UP Skills Initiative

H2020 programme

Pillar I:

BUILD UP Skills MK

<http://buildupskills.mk/>

THE IDENTIFICATION OF 5 DIFFERENT PRIORITIZED BUILDING WORKERS' OCCUPATIONS CONCERNS THE **BUILDING ENVELOPE, CARPENTRY, ROOFING, ENERGY INFRASTRUCTURE AND HVAC SYSTEMS.**

THE CHOICE OF THESE AREAS IS IN ACCORDANCE WITH THE MOST COMMON ISSUES RELATED TO ENERGY LOSSES IN BUILDINGS.

A strategic phase. The objective was to ground strong collaboration between national stakeholders in order to identify specific training needs of workers in each participating country and to elaborate a strategy (National Roadmap) .



1 Development of voluntary qualification schemes—2 training schemes developed

2 Development of “large scale” training schemes—training content for 5 occupations developed and Methodology for RPL process established

3 Training of trainers and assessors—195 certified trainers

4 Implementation of “large scale” training schemes—70 workers trained by pilot, 967 workers certified for EE skills through RPL

Pillar II:

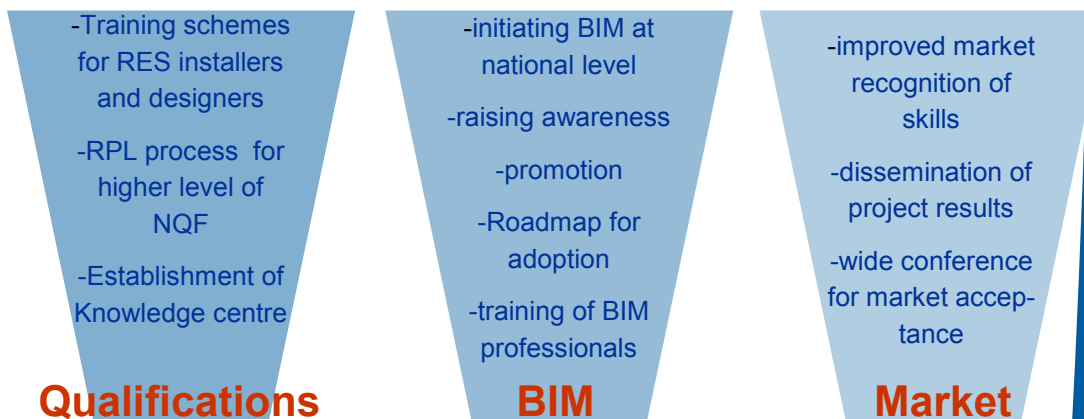
BUILD UP Skills BEET

<http://www.beet.mk/>

THE PROJECT'S OVERALL RESULTS HAVE MADE **BUILD UP SKILLS BEET** TO BECOME A SYNONYM FOR ENERGY EFFICIENCY IN BUILDINGS AMONG INSTITUTIONS AND COMPANIES IN THE COUNTRY.

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Expected results

1. Creation and implementation of sustainable qualification and training schemes for building professionals and/or blue collar workers

- training schemes, curricula and material for RES skill for installers and designers
- RPL process for building professionals (5 and 6th level of NQF)

2. Plans for sustainability after the project's life and replication across the EU

- Knowledge centre (KC) will be established for trainings and EE and RES, sustainability of certification and financial sustainability of VQS . It will provide support for professional development and for training providers.
- Involvement of international partners and experts with proven excellence on the issue of BIM
- Dissemination of project results on regional and international workshops will be through the KC on the subject of RPL process, for which the team has rich experience

3. Increase in the number of skilled workers (building professionals and/or blue collar workers)

- number of skilled workers will be 430, out of them 340 blue collar workers, (300 EE skills and 40 RES skills); 40 technicians and 52 building professionals ; 20 BIM professionals

4. Improved collaboration and understanding across different trades and professional groups

- BIM initiative at national level will involve different occupations

5. Demonstrated reduction in the gap between designed and actual energy performance through improved quality of construction and measurable energy savings in specific projects

- impact of the up-skilling of the workers will be measured using bottom-up methodologies and case studies and by using BIM tools
- certified BIM professionals will “pilot” their BIM competences on two case studies

7. Improved market recognition of skills in the building sector (industry standards)

- activities for promotion of EE construction skills will be organized through public events and other “visibility gaining” tasks
- boosting the demand for skilled workforce will arise from regulatory obligations that will be proposed by the project
- promotion of BIM certification vague (for professionals and for companies) on the construction market.

Contact

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