

BUILD UP Skills FORESEE II: Training FOR RENEWABLES and Energy Efficiency in Building sector II - Training schemes set-up / Phase II (2014-2017)



Partners: Coordinator: National Laboratory of Energy and Geology (LNEG); Agency for Energy (ADENE), Directorate General of Energy and Geology (DGEG), National Agency for Qualification and Vocational Education and Training (ANQEP), Association of Portuguese Construction Mortars and ETICS Manufacturers (APFAC); similar activities were developed simultaneously in other 28 European countries (each one with a specific budget), in the scope of this project.

CERIS subcontracted team by APFAC (Portuguese Association for Mortars and ETICS manufacturers)

CERIS Principal Investigator: J. D. Silvestre (35%)

CERIS Research Team: I. Flores-Colen (35%); C. M. Silva (30%)

Funding: EASME (Executive Agency for Small and Medium-sized Enterprises) - Programme “Intelligent Energy Europe”

Total budget: 359.180€ CERIS: 6.150€

Period: 01/09/2014-28/02/2017

<https://www.buildup.eu/en/skills/bus-projects/PT>

Summary description: The FORESEE Project, aimed to put into practice the priorities identified in the Roadmap 2014-2020, by the Build Up Skills - Portugal project. The initiative intended to help address skills gaps in various construction related professions. This was done by developing material to train installers in three core areas: building envelope, renewable and efficient use of electricity and heating and cooling. The project included training trainers and pilot courses to test the supporting material.

CERIS participation: CERIS participated in the WP2 (Training support material), WP3 (Training of Trainers and design of training materials for trainers) and WP4 (Pilot training courses) of the “Thermal insulation installer - initiation” course, being responsible for the theoretical contents (in Portuguese). The Association of Portuguese Construction Mortar and ETICS Manufacturers (APFAC) was responsible for the Practical contents of this course. This course was planned for 25h (3 days), including 8h of practical training. The modules of this course included: the importance of the thermal insulation; the national regulations related with the thermal performance of buildings; the thermal insulation materials and applications, including walls, roofs, floors and elements in contact with the ground; the quality requirements for the application of the insulation; the suitability of the thermal insulation materials for each application; the influence of the thermal insulation in the reduction of the defects and in the accomplishment of other requirements; and the thermal insulation in the refurbishment of buildings.

Output: development of the course “Thermal insulating - Initiation”, curriculum training courses in 8 themes, and the training material (manuals, presentation, models, workshops, equipment), in WP2 - training support material; the trainers for future courses, in WP3 - training of trainers and design of training materials for trainers; a network of training centres and trainees interested in these courses, in WP4 - pilot training courses; inclusion of some of these training courses in the National Catalogue of Qualifications of ANQEP. The 4 training courses were taught at the “CICCOPN - Professional Training Center of the Civil Construction and Public Works Industry”, in the North of Portugal, and at LNEG, in Lisboa).

Illustrations:



On the left: Training of trainees at CICCOPN, in Maia; on the right: practical training model of a wall with different types of ETICS applied.

Indicators: slides; manual; didactic publication for students.