



BOOSTING ENVIRONMENTAL PROTECTION AND ENERGY EFFICIENT BUILDINGS IN MEDITERRANEAN REGION

573677-EPP-1-2016-1-IT-EPPKA2-CBHE-JP

<http://www.proemed.eu>

Topics:

The **PROEMED** project is promoted by the European Commission in the scheme of the Erasmus+ “Capacity Building in Higher Education” programme. It is implemented in **Algeria, Morocco** and **Tunisia**, as a curriculum development joint project and pursues the objective to design, establish and implement new Master study programmes on “**Environmental Protection and Energy Efficient Buildings**” in the Partner Countries.

The Master programmes and the related training delivered both in the Partner Countries and Member States are focused on the engineering approach for energy efficiency in buildings, since this sector is responsible for about 40% of global primary energy consumption. In order to reduce energy intensity, a significant scientific activity has been developed in recent years, leading to the definition of the concept of "NZEB: Net Zero Energy Building". Important features of **PROEMED** are also:

- Participation from stakeholders’ institutions (local authorities responsible for environmental issues, entrepreneurs associations, research centres on energy issues) that are contributing to the analysis of trends and structural changes in the PCs higher education systems. Such partnership ensures a fundamental support to the project's objectives, in order to promote synergies among academia, labour market and key players of the different socio-economic frameworks in **South Mediterranean Region**;
- Dissemination in important Algerian, Moroccan and Tunisian Universities of the skills related to the design of study programmes compliant with the trends of the Bologna Process. According to this, the learning outcomes structure has been introduced by moving from an institutional to a student-centered approach.

Duration: 15th October 2016 / 14th October 2019

Coordinator: **University of Genoa, Italy** (International Cooperation Office)

Partners:

Higher Education Institutions:

University of Tlemcen, Algeria

University of Mostaganem, Algeria

Euro-Mediterranean University of Fes, Morocco

University Cadi Ayyad, Marrakech, Morocco

University of Sousse, Tunisia

University of Gabes, Tunisia

Warsaw University of Life Sciences, Poland

University of La Rochelle, France

Non-university Partners:

AGORA Institute for Knowledge Management & Development, Alicante, Spain

TICASS Consortium, Genoa, Italy

Horizons pour le Développement Local, Jendouba, Tunisia

Centre de Développement de la Région de Tensift, Marrakech, Morocco

Institut Méditerranéen de Technologie, Oran – El Menzah, Algeria

Associated Partners:

Chambre de Commerce et d'Industrie du Centre, Sousse, Tunisia

Epic Chambre Algérienne de Commerce et d'Industrie, Alger, Algeria

Confédération Générale des entreprises du Maroc, Casablanca, Morocco

Programme: ERASMUS+ KA2 - Capacity Building in HE.

Contact Person:

Mr. Angelo **MUSAIO** - Project Coordinator - Acting Head of the International Cooperation Office.

Working team:

Prof. Vincenzo **BIANCO** - Academic Coordinator - Associated Professor at the Polytechnic School.

Staff of the International Cooperation Office.

Impact of PROEMED project:

PROEMED will permit to UNIGE to fit the scientific topic related to "Environmental Protection and Energy Efficient Buildings" within the "Engineering" area and enhance the multidisciplinary approach by combining energy saving and sustainability topics. The PROEMED feedbacks will be useful to improve the compliance of similar current study programmes with the Bologna Process trends, with specific reference to the learning outcomes setting-up and implementation, as well as to the "student-centered" approach.

The expertise of the UNIGE teaching staff is going to be exploited in the framework of the training activities on topics such as development of components (solar-assisted heat pumps, hybrid solar panels, etc.), simulation software development and definition of models for long-term energy planning.

Furthermore, PROEMED represents an important booster for the policy of UNIGE related both to the improvement of the international dimension of the teaching offer and to actions of international cooperation towards Partners Countries.