

**561877-2014-JP-HES**

## **Developing skills in the field of integrated energy planning in Med Landscapes / ENEPLAN**

### Specific Objectives:

- Helping the modernization of higher education curricula (by integrating them with issues such as energy planning, renewable energy sources, environmental impact assessment, life-cycle analysis, etc.) and increasing teachers', researchers' and students' knowledge and skills in integrated energy planning, while innovating HE teaching and learning practices.
- Increasing labour market relevance of learning provisions and qualifications, thus reinforcing the employability of graduates
- Strengthening the relations between HEI and the wider socio-economic environment, by developing common tools and networks involving planners, academics, researchers and enterprises operating in the energy sector
- Establishing a network among Mediterranean Universities, in Europe and outside.

### Project Summary:

The ENEPLAN project was conceived to address the lack of interdisciplinary approaches in higher education on energy planning and RES development in Mediterranean areas, by increasing the capacities of future professionals through innovative ICT-based educational approaches, able to integrate different disciplines (spatial planning, environment, engineering, landscape) and foster collaboration with research and business activities in the RES sector, thus keeping up with its rapid technological innovation.

Addressing this issue is crucial to ensure sustainability in energy planning, and form more qualified, up to date, employable professionals, able to deal with innovative RES-based solutions and with the complexity of their socio-economic and environmental context.

To attain this goal, ENEPLAN proposes an alternation of desk activities and workshops aimed at the collective production, development, testing and practical application of Open Educational Resources on energy planning, based on the tool of collaborative Concept maps.

A Concept map is an ICT tool to represent relationships among concepts, and, as OER, it can be "customized" according to users' needs, resulting in a versatile instrument for educational purposes and professional upgrade, as well as in a stimulus for developing applied research.

Through this tool, ENEPLAN aims to:

- improve the quality and modernisation of HE curricula and teaching and research activities in the field of integrated energy planning;
- increase the labour market relevance of learning provisions and qualifications, and the employability of graduates;
- strengthen the relations between HEI and the wider socio-economic environment, by involving academics, students, planners and enterprises in the creation of common tools and networks.

OERs, uploaded on the ENEPLAN e-learning platform, will be available in English and Arabic, to be exploitable by a wide number of users in Europe and in the Arabic-speaking Mediterranean countries.

### Project Consortium

1. Applicant Organization: Universita Degli Studi Roma Tre, Italy

### List of Partners (Multi-Country Project)

1. Universita' Degli Studi Di Siena, Italy
2. Universita Degli Studi Di Camerino, Italy
3. Malta Intelligent Energy Management Agency, Malta
4. Universidade Do Algarve, Portugal
5. Universidad Pablo De Olavide, Spain
6. American University of Beirut, Lebanon
7. Lebanese University, Lebanon
8. Association Libanaise Pour La Maitrise De L'Energie Et Pour L', Lebanon
9. MEDGREEN, Lebanon
10. Zewail City of Science and Technology, Egypt
11. Ain Shams University, Egypt
12. Al-Balqa' Applied University , Jordan
13. Jordan University of Science And Technology, Jordan
14. Princess Sumaya University for Technology , Jordan
15. University of Jordan, Jordan
16. Petra Education Company , Jordan
17. Royal Scientific Society, Jordan

Total Grant Requested: EUR 997,322.00

Special Mobility Strand Additional Grant: No

Duration: 36 months