



ENEPLAN

DEVELOPING SKILLS IN THE FIELD OF INTEGRATED ENERGY PLANNING IN MED LANDSCAPES

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Project Summary

ENEPLAN project tackles the lack of interdisciplinary approaches in energy planning by focusing on the enhancement of capacities of future professionals (university students in their last years, and the newly graduated). Quite often, higher educational institutions (HEI) provide skills and competencies in renewable energy sources (RES), energy, planning and landscape in separate specializations, limiting the potential of an integrated approach. Moreover, energy efficiency strategies are often simplistically traced to a mere list of technologies, while their elaboration should require the integrated development of technical skills and environmental and landscape sensitivities (especially in ecologically valuable contexts). These integrated skills need to be developed within a dedicated HE program. Hence, the project aims at developing collaborative open education resources (OER), which can be used to improve the capacities of teachers, students and researchers in energy planning from a sustainability perspective, and to foster collaboration among HEI, research institutions, public administration and business. The project consortium has been built accordingly, involving 18 partners who can provide significant contributions according to their perspective and specific expertise: universities, research centers and energy agencies.

Recent News



Kick off Meeting, Rome, March 14-20 2016

The University of Roma Tre is the lead partner of the ENEPLAN Project, financed within the Erasmus+ program for Higher Education Institutes. Roma Tre hosted the kick-off meeting of the project at the Architecture Department of the university in Rome.

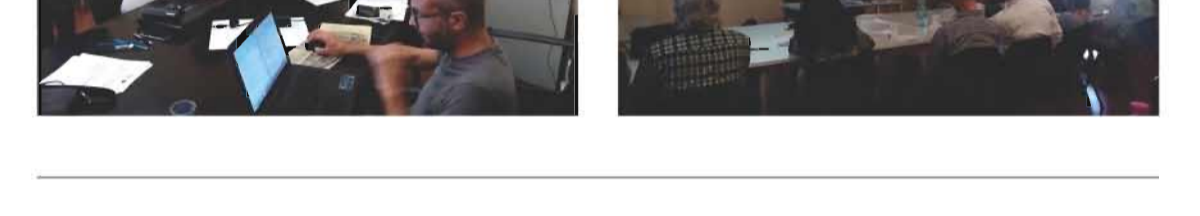
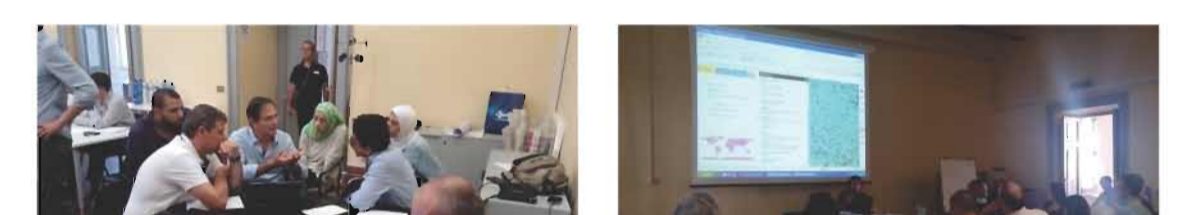
Meetings were held over five days to set the project's main activities, deliverables and time table. The consortium also agreed on the quality assurance plan and dissemination plan for the project.

The meeting was attended by 16 out of the 18 partners. Each presented their institution and their contribution to the project activities based on their skills and capacities. Roma Tre team presented a first introduction to the C-map tool to the consortium.



Workshop 1, Rome, September 5-9 2016

The first workshop for the construction of the C-map was held in Rome at the University of Roma Tre. Partners presented local case studies showcasing state-of-the-art projects in their respective countries. Three extensive exercises on the C-map tool were completed. These will constitute the basis for the first output of the project Concept Map 1.0 which is the basic conceptual map for integrated energy planning. The quality board and the steering committee also met for financial and technical review and to agree on project's next activities.



Upcoming Activities

UNIVERSIDAD PABLO DE OLAVIDE SEVILLA

Thematic Workshop 1, Seville, December 12-16 2016

Four thematic workshops are prepared for the project. The first thematic workshop will be held in Seville at the University of Pablo de Olavide. The theme of this workshop will be environmental and landscape assessment.

The workshop will include presentations on procedures and methodologies for environmental and landscape assessment as required by national laws in partners' respective countries for RES plans and projects. The host university, Pablo de Olavide, will present the procedures defined by EU directives: Environmental impact assessment for large projects (EIA Directive 2014/52/EU) and Strategic Environmental assessment (SEA Directive 2001/42/EC).

Further exercises will be done on the Concept map in order to enrich it and make it useful as a teaching tool.

ENEPLAN Special

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Kick-off meeting in Rome, 14-18 March 2016

The University of Roma Tre is the lead partner of the ENEPLAN Project, financed within the Erasmus+ program for Higher Education Institutes... [read more](#)

ENEPLAN aims at **developing collaborative open education resources (OER)**, able to improve the capacities of teachers, students and researchers in energy planning in a sustainability perspective... [read more](#)

Website Launch

ENEPLAN website was launched last September. It will contain all materials and information regarding the project allowing access to the ENEPLAN web platform and to the webGIS platform. The website will also include an intranet for communication and file sharing among partners.

The website is linked to the partners' webpages and to the Erasmus+ portal. It will be maintained for at least 3 years after the end of the project and its contents and Open Educational Resources (OER) will remain available at no cost.

Project Details

Main Objectives

- Fill a gap in higher education programs, focusing on RES development and planning.
- Respond to the emerging need for a professional profile able to work with an interdisciplinary approach that integrates urban and regional planning, environmental impact assessment and landscape design on one hand, and energy planning and RES development on the other.
- Merge the theoretically separated disciplines in an organic framework for the definition of effective and sustainable implementation strategies, following a holistic approach in which Environment, Technology, Planning and Landscape move together towards an increasingly integrated vision.
- Respond to the need for interdisciplinary educational tools in this field, through the development, testing and circulation of collaborative "Concept maps" as Open Educational Resources.

Concept maps are a way of representing relationships between ideas, images, or words, and, as OERs, they can be a useful tool for teachers, students and researchers, and enterprises.

Main Outputs

ENEPLAN envisages the development of OER, open-licensed material that can be freely used, diffused, improved and exchanged by users.

The project is divided into 5 main work packages (WPs) extending over 3 years:

- WP 1: Preparation
- WP 2: Development
- WP 3: Quality Plan
- WP 4: Dissemination and Exploitation
- WP 5: Management

The main outputs of the project are as follows:

- State of the art and case studies report which aims to present a preliminary assessment of energy planning in each country and the education offer available at the participating universities. (WP1)
- Online platform that includes Cmaps and GIS database from all partner countries (WP1)
- Cmap 1.0 – basic conceptual map OER in English, later upgraded to Cmap 2.0 by incorporating the results of the thematic workshops on energy planning and GIS tools; environmental and landscape assessment; RES new technologies; Life cycle analysis and energy potential; innovation, applied research and relationships with SMEs. It will be released in English and Arabic. (WP2)
- Final conference proceedings (as guidelines for integrated energy planning) (WP4).

In order to achieve these outputs, several workshops will take place: four thematic workshops in Programme countries, and 2 training workshops in Partner countries. The workshop that will be held in Amman in 2018 will involve 10 students from each Partner country and aims at training them to use the C-map tool. The final conference will be held in Beirut at the American University of Beirut in October 2018.

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Project Partners

	<p>Italy</p> <p>Università degli studi Roma Tre Università degli studi di Siena Università degli studi di Camerino</p> <p>Malta</p> <p>Malta Intelligent Energy Management Agency</p> <p>Portugal</p> <p>Universidade do Algarve</p> <p>Spain</p> <p>Universidad Pablo de Olavide</p> <p>Lebanon</p> <p>American University of Beirut Lebanese University ALMEE Medgreen</p> <p>Egypt</p> <p>Zewail City of Science and Technology Ain Shams University</p> <p>Jordan</p> <p>Al-Balqa' Applied University Jordan University of Science & Technology Princess Sumaya University for Technology University of Jordan University of Petra National Energy Research Center - Royal Scientific Society</p>
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