ENI CBCMED
Cooperating across borders in the Mediterranean

Project funded by the EUROPEAN UNION

REGIONE AUTÒNOMA DE SARDIGNA
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Med-EcoSuRe

TOWARDS EFFICIENT AND SUSTAINABLE UNIVERSITY BUILDINGS

Newsletter issue #5 - August 2022

Take advantage of this newsletter issue to get informed about the **latest progress on the renovation process** proposed and implemented in **Mediterranean university buildings** within the framework of Med-EcoSuRe project.

[More information about the project]

Med-EcoSuRe (Mediterranean University as Catalyst for Eco-Sustainable Renovation) aims at proposing and implementing innovative and eco-sustainable renovation solutions in mediterranean university buildings (energy efficiency and renewable energy measures) and to introduce an active collaborating approach for decision support involved, in the framework of a "Living Laboratory (LL)"

2.9 M€
TOTAL BUDGET

2.6 M€
ENI CONTRIBUTION

3 YEARS
DURATION

Med-EcoSuRe is on track toward energy efficient universities in the Mediterranean

Med-EcoSuRe project is proposing and implementing **innovative and eco-sustainable renovation solutions** in Mediterranean university buildings within an **active collaborating approach** for decision support involved.

Watch the video of the mid-term project achievements

Energy Efficiency interventions in Tunisia

The existing electrical installation as well as the building envelope of the energy laboratory pilot building at the **National Engineering School of Tunis** has been Upgraded (plastering, coatings, paints...).
The Rooftop of the pilot administration building was also repaired, sealed and insulated using **polyurethane Sandwich Panels**

Experimentation of innovative energy renovation process through BIM (Building Information Modeling) in Italy

The definition of innovative retrofit scenarios to be implemented at the **University of Florence** pilot building exploited the experience of the **BIM/Digital Twin** approaches to define an effective processes of planning, design and management.
The final architecture solution defined includes interventions on the building envelope and **PV installation.**

Renewable Energy & Energy Efficiency renovation actions

Renewable electricity generation through photovoltaic installations in Palestine

An-Najah National University has installed a 50 kWp PV **grid-tied carport system** at the university campus. This system not only provides additional energy but also serves as an example for architectural integration of Solar PV. Read more

In addition, the **Center for International Grants and Projects at An-Najah National University** launched the first phase of the "**Off-Grid Solar Tree**" project, the first of its kind in Palestine, which was installed in front of the main gate of the new campus, with a capacity of 3.18 kilowatts. **Read more**

Watch the video

Strategic plans for University buildings renovation across the Mediterranean

The project team is working on the **development of action plans** addressed to higher education decision-makers, which enable to put into action national (or regional) guidelines in terms of **energy renovation of buildings**, through the identification of energy saving practices and appropriate financial instruments, while capitalizing on the tools developed within the project. **Recommendations** for improving the existing regulatory and incentive frameworks, promoting the energy renovation of buildings in higher education establishments, will also be proposed, depending on the national context.

Events

Supporting retrofit investments acceleration in Mediterranean university buildings through a cross border seminar

On June 2021, a **Cross-border seminar** was held with the aim to provide recommendations enabling financing of clean energy technology for building retrofitting, referring to different experiences with **finance instruments and potential replication** in the Mediterranean. Read more

National workshop Tunisia

National workshop Italy

National workshop Spain

National workshop Palestine

Synergies

Reinforcing synergy with CLEAN project to improve energy efficiency of public buildings

Naples Agency for Energy and the Environment (ANEA), participated in the 2nd seminar of **CLEAN** project "***Regional measures & highlights to cut emissions and to improve energy efficiency of public buildings***" hosted by Regional Council of North Karelia, in Joensuu (Finland). Read more

Teaming up with PPI4MED project for technological development and innovation in Tunisia

A **collaboration agreement** was signed on July 9, 2022 between the **Mediterranean Renewable Energies Centre (MEDREC)** and the **National Agency for the Promotion of Scientific Research (ANPR),** coordinator and partner of Med-EcoSuRe and PPI4MED projects respectively.

The agreement defines the axes and types of synergies between both cooperation projects which will enable to **evaluate and communicate the longer term impacts of scientific research.** Read more.

> … Projects like Med-EcoSuRe and PPI4MED are essential to direct research towards the needs of the society and the economy in Tunisia.
>
> Professor Chedly Abdelli – Director of ANPR

UNIVERSustainabilITY: a digital-green transition of places of knowledge during EnergyMed forum in Italy

On the 25th of March 2022, was held the conference "***UNIVERSustainabilITY: the digital-green transition of the places of knowledge***", organized by **ANEA, University of Florence, University of Campania "L.Vanvitelli"** and **University of Naples "Federico II".** The conference, organized in Naples within the EnergyMed forum, presented the results of the project and highlighted the national network of Living Labs (*BeXLab - Building Environmental Experience*). **Read more**

Laying out its energy efficient solutions for buildings to promote sustainable practices in Euro-Mediterranean territories

On the 6th of July 2022, **AN Najah University**, participated in the webinar "***Higher Education Institutions for sustainability: what universities do and can do to lead the sustainability in their territory***" organised by UNIMED in the framework of the Uni-Eco Project and Urban Transports Community - Interreg Med project.
Read more

Driving building energy renovation through public-private partnerships

On Thursday 26th of May 2022, SOLARTYS, organized in Barcelona the **University Business Forum**, on ***"Driving building energy renovation through public-private partnerships"*** with the aim to bring together policymakers, representatives from higher education and businesses, and other stakeholders, to debate and propose innovative financing schemes, organizational structures, and partnerships in order to accelerate the energy retrofitting of the university building across the Mediterranean. **Read more**

Research valorization

Concluding a Master project on the performance and techno-economic viability of Micro-Grids in Tunisia

On the 17th of January 2022, a master thesis defense, carried out in the framework of Med-EcoSuRe project, was successfully conducted by a group of students from Université de Lorraine. This master project was proposed within a challenge-based module of the ERASMUS MUNDUS Master ***DENSYS (Decentralised smart ENergy SYStems)*** related to the management of energy in decentralized energy systems and including the design of energy networks, demand-side management and optimization.
Read more

Participating in Beyond All Limits conference: Accelerating the digital green transition in the building sector

On May 11th 2022, **University of Campania**, and **University of Florence**, participated in the second edition of the international conference ***Beyond All Limits***, while presenting two scientific research papers elaborated jointly with all the project partners.
The conference aims to addressing the issue of **sustainability** by including it in the current international debate marked by the multifaceted response to the pandemic.
Read more

Scientific publication: EXPLORING SUSTAINABILITY AND WELL-BEING IN THE BUILDING HABITAT: the green digital experience of beXLab

Read the full publication

Sustainable Mediterranean Construction

PARTNERSHIP

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