



## Letter of adoption of a Strategic Plan for University Building Retrofitting

This letter is signed by An-Najah National University represented by Prof. AbdelNaser Zaid to adopt a Strategic Plan for University Building Retrofitting developed by An-Najah National University (ANNU) in the framework of Med-EcoSuRe project.

### 1. Context

Low energy educational buildings are becoming the standard for new buildings in European and Mediterranean partner countries. Meanwhile, the potential of efficient renovation of existing buildings continues to be a development focus in these countries. Technical solutions are continuously proposed by universities for eco-sustainable building renovation, but there is still a gap between designed models and real world application.

Med-EcoSuRe (Mediterranean University as Catalyst for Eco-Sustainable Renovation) project is rooted in the key role that Mediterranean universities have to contribute to environmental development and combat climate change. The project brings together researchers and stakeholders, in the framework of A Living Lab (LL), to build a common understanding of the eco-sustainable building renovation issues and to empower regional knowledge-to-action process, starting by the university's immediate neighborhood, which is the university building.

One of the main outcomes of the project is the development of project and policy tools that can be used by energy management staff (not exclusively experts) in identifying and implementing the best options for building refurbishing and improving operation control for achieving significant energy savings, while maintaining the occupant's comfort. In particular, an effective university building stock renovation strategy is elaborated to engage university decision makers, public national and regional authorities and the investment community.

Med-EcoSuRe is funded by the European Union, under the Cross-Border Cooperation programme ENI CBC MED 2014-2020. The project is managed by the Mediterranean Renewable Energy Centre leading a consortium made up of 10 partners including ANNU.



## 2. Strategic Plan for renovation of An-Najah National University – Palestine

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In Palestine, ANNU, partner of Med-EcoSuRe, elaborated a strategic plan with the goal of proposing a policy that imposes minimum Energy Efficiency (EE) and Renewable Energy (RE) integration standards in University buildings that are more ambitious than those required by the national laws.

The project partner, in close cooperation with the LL actors, assessed existing possible retrofit scenarios and proposed innovative retrofit solutions to improve the EE of typical university buildings from both renewable and non-energy sources.

Strategies for energy, occupation and comfort monitoring were foreseen to verify the predicted savings, including base-line determination and evaluate economic costs and investment payback of retrofitting measures which will help support decision regarding the selection of optimal eco-sustainable scenarios.

The Strategic Plan set out a detailed plan of action, based on quantitative and qualitative indicators, for the **next 5 years**, focusing on the policies and measures that are needed to scale up renovation activity. Considering the policy landscape is necessary to increase renovation activity and remove investment barriers.

### 3. Public consultation and adoption

In the course of the public consultation, the Strategic Plan was submitted to PETL dealing with energy efficiency of buildings, and representing the interests of local government units.

The PETL approved the main actions proposed in the Strategic Plan, including those regarding the recommended scenarios of energy renovation of buildings, and decided to adopt the Plan which will help reaching the objectives set by the institution in terms of CO<sub>2</sub> emissions by 350 Ton/year and increase of the percentage of consumption of energy from renewable sources by 90% and energy savings by 4000 MWh/year.

Document of the strategic Plan is attached.



# Med-EcoSuRe



Signature

Full name Abdel Nasser Zaid

Title President of ANNU

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