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NEXT MED

Fit for 55? Innovative solutions for energy efficient buildings

COP28 side event

Italian Pavilion – Blue Zone

9 December 2023

11.30-13.00 (Dubai time)



REGIONE AUTÒNOMA
DE SARDIGNA
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DELLA SARDEGNA

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Context and objectives

Buildings account for 40% of energy consumed and 36% of energy-related direct and indirect greenhouse gas emissions in the European Union (EU) with similar trends in Italy.

The potential for energy cuts across the EU is huge with an estimated 75% of the building stock considered to be energy inefficient and eventually requiring energy renovation if we want to decarbonize the building stock.

The EU is striving to be the first climate-neutral continent by 2050. Through the 'Fit for 55' legislative package, it aims to cut greenhouse gas emissions by at least 55% by 2030 compared to 1990 levels. Buildings play a key role in this ambition, requiring significant energy performance improvement interventions.

Are we prepared to achieve the goals of the 'Fit for 55' package and enhance energy efficiency in buildings?

This event will look at successful examples of energy renovation pilots and measures implemented in Italy and across the Mediterranean region under the EU-funded ENI CBC Med Programme.

Discussions will provide an overview of scalable and replicable solutions at technical, regulatory and cultural level to promote the wider implementation of energy-efficient interventions and energy-saving behaviors, also taking into account different types of buildings (schools, universities, public facilities, heritage and historical buildings, etc.).

The session will also examine promising trends and innovations in enhancing public building energy efficiency in the upcoming years.

The event is organized by Interreg NEXT MED Programme (formerly known as ENI CBC Med Programme), the largest transnational initiative implemented on the European Union's external borders.





Agenda

11.30 – 11.35 Introduction and objectives – Aldo Puleo, Senior officer, Interreg NEXT MED Programme

11.35 – 11.45 Pitch: What are the major challenges to improving energy efficiency in public buildings on both sides of the Mediterranean?

11.45 – 12.20 Solutions and approaches to foster the transition to energy-efficient buildings: spotlight on results of ENI CBC Med funded projects

- Digital methodologies for energy and environmental improvement historical buildings. Filippo Calcerano, Researcher, National Research Council – BEEP project
- Innovative toolkit for eco-friendly and aesthetic renovation processes of university buildings. Gisella Calcagno, Researcher, University of Florence - Med-EcoSuRe project
- Photovoltaics, energy storage systems, and demand management: applying the concept of nanogrid. Fabrizio Pilo, Vice-rector "Territory and Innovation, University of Cagliari – BERLIN project
- Raising awareness among students about the importance of reducing energy consumption in schools. Daniele Bonetti, Director, Institute for University Cooperation – ESMES project
- Enhancing energy-saving culture and contributing to energy policy strengthening. Rosa Schina, EU project manager, National Association of Italian Municipalities Tuscany – SOLE project

12.20 – 12.45 Panel discussion - Accelerating the decarbonization of public buildings: trends and opportunities

12.45 – 12.55 Interreg NEXT MED Programme: funding opportunities for developing energy efficiency cooperation projects in the Mediterranean – Martin Heibel, Communication manager, Interreg NEXT MED Programme

12.55 – 13.00 Conclusions - Aldo Puleo, Senior officer, Interreg NEXT MED Programme