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MED GREEN FORUM 6

MEDITERRANEAN ARCHITECTURE &
GREEN-DIGITAL TRANSITION

20-22
JULY 2022
FIRENZE

Energy for MED Heritage

Analysis and design for energy and environmental improvement of heritage buildings in the MED Area

Mediterranean countries share a multitude of common challenges, including climate change, pollution, youth unemployment and social inequality. ENI CBC Med is the largest European Cross-Border Cooperation (CBC) initiative and promotes economic and social development addressing environmental sustainability. Priority B.4.3 supports cost-effective and innovative **energy rehabilitations** relevant to building types and climatic zones, with a focus on public buildings that can act as beacons of innovation. BEEP project focuses on advanced BIM based workflows, technologies and financing mechanism to foster interventions on built heritage, while Med-EcoSuRe offers an innovative approach to the definition and diffusion of cost-effective energy renovation within university buildings; both projects share the perspective of scaling their results to the whole public buildings sector in the long term.

Topics include:

- Built heritage energy and environmental improvement
- Heritage Building Information Modeling
- Heritage Building Performance Simulation
- Interoperability
- Advanced workflows for supporting energy rehabilitations on public buildings
- Innovative financing schema
- Cost-effective energy renovation technologies

Thursday, July 21th 2022

8:30 Registration & Welcome Coffee

9:00 Greetings and Welcome

[Giuseppe De Luca](#) - Director of the Department of Architecture

[Prof. Ali Sayigh](#) - [Prof. Marco Sala](#) Chairs of the Med Green Forum

[Costanza Miliani](#) - Director of ISPC CNR

Keynotes

09.50 Strategies for energy efficiency retrofits of historic residential building stocks

[Petra Eriksson](#) - Uppsala University, Sweden

10.10 A possible integration between Cultural Heritage and photovoltaic through the experience of the "BIPV meets history Project

[Elena Lucchi](#) - Eurac

Beep and Med- EcoSuRe Eni CBC MED environment projects

10.30 Mediterranean University as Catalyst for Eco-Sustainable Renovation

[Souha Ferchichi](#) - [Ines Khalifa](#) - Mediterranean renewable Energy Center

10.45 Living Lab and Digital Twin: the approach of beXLab - building environmental eXperience

[Antonella Trombadore](#) - University of Florence, Department of Architecture

11.00 Beep Project. A methodology for built heritage energy and environmental improvement

[Elena Gigliarelli](#) - ISPC CNR

11.15 An integrated approach for energy retrofit of built heritage through Building Information Modelling (BIM)

[Filippo Calcerano](#), [Letizia Martinelli](#), [Elena Gigliarelli](#) - ISPC CNR

11.30 | 11.45 *Coffee Break*

11.45 Open BIM and HBIM modeling for energy efficiency

[Roberto Minnucci](#) - Minnucci Associati

12.00 Energy retrofitting of MED public buildings: experiences of the regional government of Valencia

[Nuria Matarredona Desantes](#) - Ecological Innovation in Construction (Generalitat Valenciana)

12.15 Policies and financing mechanisms for energy retrofit interventions

[Sorina Mortada](#) - LCEC Lebanese Center for Energy Conservation

12.30 Active and Passive energy efficiency systems compatible with traditional buildings in Palestine

[Issam Juha](#), [Eyad Abo Zalaf](#) - Center for Cultural Heritage Preservation

12.45 Strategies to facilitate the use of renewable energies and energy efficiency measures for public historical buildings among public policy maker

[Muhieddin Tawalbeh](#) - Royal Scientific Society/National Energy Research Center

13.00 Solar heating vs Photovoltaics: Building use based approach – Case studies of Alexandria

[Dina Taha](#), [Zeyad El Sayad](#) - Egypt-Japan University of Science & Technology

13.15 An H-BIM-driven numerical simulation methodology for the development of energy retrofit design concepts

[Stavroula Thravalou](#), [Kristis Alexandrou](#), [Georgios Artopoulos](#) - The Cyprus Institute