

# Program

## EFFESUS Symposium: Energy Efficiency for EU Historic Districts' Sustainability

Moderation:

**Adriana Bernardi** National Research Council

11:00 **The EFFESUS project: Energy Efficiency for EU Historic Districts**

**Gunnar Grün** Fraunhofer IBP

11:30 **Smart management and integration of renewable and energy efficiency solutions in historic buildings and districts**

**Luc Pockelé** R.E.D.

12:00 **Development of conservation compatible replicable technologies for envelope retrofitting of historic buildings**

**Alexandra Troi** EURAC research

12:30 **Strategies and Demonstrations for improving energy efficiency in historic buildings at urban district scale**

**Adriana Bernardi** National Research Council

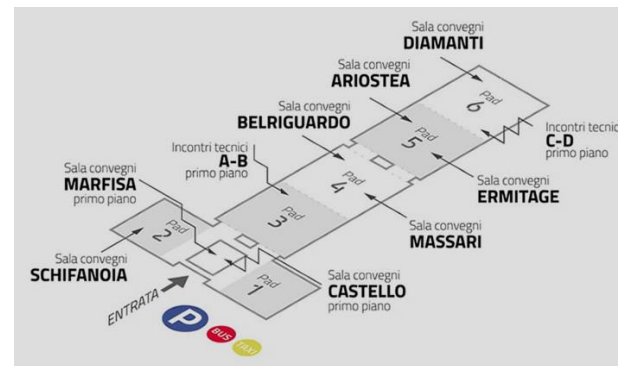
# Salone del Restauro

April 8<sup>th</sup> 2016, 11:00 – 13:00

## Venue

**Sala C, I piano tra Pad. 5 e 6**

Ferrara Fiere Congressi  
Via della Fiera, 11,  
44124 Ferrara FE, Italia



## Further Information

[www.salonedelrestauro.com](http://www.salonedelrestauro.com)

**EFFESUS Exhibition: 6-8 April 2016**

**Stand A10, Pad 3**

## EFFESUS Contact

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Symposium

Salone del Restauro

Ferrara, Italy

April 8<sup>th</sup> 2016



This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement No. 314678

## Invitation

Historic buildings and urban districts are fundamental parts of our cultural identification and heritage of our societies. In view of the societal efforts with respect to the reduction of greenhouse gas emissions we must find ways to accept this challenge also for these buildings, ensembles and districts while preserving the cultural heritage.

The EFFESUS project has been initiated against this background and thus investigates both the energy efficiency of individual buildings, building ensembles and districts, as well as energy generation from renewable sources within historic urban districts. The concept is to reduce the environmental impact of Europe's valuable urban heritage by making significant improvements to its energy efficiency and thereby improving its sustainability while conserving and even promoting the architectural, cultural, historic and urban values of Europe's historic cities.

EFFESUS is now in its final year of a four year period and multiple results have been achieved regarding technological developments, supply concepts for renewable energies as well as decision making strategies in the complex context of historic districts. Thus it is time to reflect the outcomes and present them to a professional audience for discussion.

Therefore we cordially invite you to join our symposium at the Salone del Restauro, Ferrara, Italy. On March 8<sup>th</sup> 2016 we will present project results, the further development paths as well as our vision on sustainable and energy efficient historic urban districts. We are looking forward to welcome you at this public EFFESUS event and are delightful to invite you to a mutual exchange.

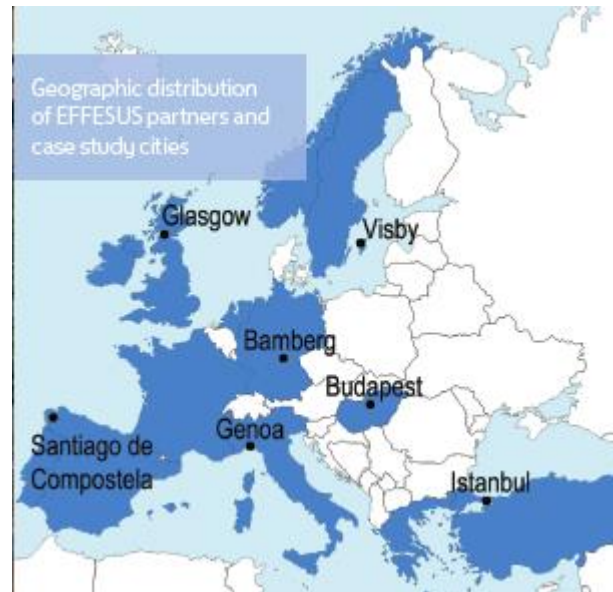
## About EFFESUS

EFFESUS is researching the energy efficiency and sustainability of European historic urban districts and investigating measures and tools to make significant improvements whilst protecting their heritage value.

Historic buildings and urban districts they form are an integral, important part of European cultural identity and heritage. Improving their energy efficiency sensibly will help to protect this heritage for future generations.

EFFESUS will develop new technologies; produce a software tool to inform decisions on improvement measures; provide training and awareness activities; and demonstrate its results in real case studies in seven historic urban districts.

EFFESUS, an acronym for Energy Efficiency for EU Historic Districts' Sustainability, is a research project funded by the European Commission, running from 2012 to 2016 and involving 23 partners from 13 European countries.



## Project partners

### Project coordinator

Tecnalia Research & Innovation, Spain

### Scientific and technical coordinator

Fraunhofer-Gesellschaft, Germany

### Project partners

A. Proctor Group Ltd., United Kingdom

Acciona Infrastructures S.A., Spain

Active Aerogels Ltd., Portugal

Advanced Management Solutions Ltd., Greece

Bofimex Bouwstoffen BV, Netherlands

Consortium of the City of Santiago de Compostela, Spain

D'Appolonia S.p.A., Italy

Delap & Waller EcoCo Ltd., Ireland

Dennis Rodwell, United Kingdom

EURAC research, Italy

Historic Environment Scotland, United Kingdom

HOR-BER Ltd., Hungary

I2S, Greece

National Research Council – Institute of Atmospheric Sciences and Climate, Italy

Norwegian University of Science and Technology, Norway

R.E.D. s.r.l., Italy

SAMPAŞ Nanotechnology, Turkey

SAS Gouas, France

Snekkeriet Verdal AS, Norway

University of Stuttgart – Materials Testing Institute, Germany

Uppsala University, Sweden

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