Assessment of the potential for energy improvements in historic buildings: Practice, standards, case studies

Participating projects: 3ENCULT, EFFESUS, Spara och bevara, CEN TC 346

Coordinators: Tor Broström, Alexandra Troi

Target audiences
Architects, Engineers, Conservators, Local Authorities, Owners of historic building

Background
As the economic and political pressure for improved energy performance is increasing we must carefully consider how to balance energy conservation and building conservation in historic buildings. There is a need for a systematic approach where techno-economic and environmental considerations can be weighed against the impact on heritage values. A number of European projects are developing procedures for decision making on energy retrofits of historic buildings and districts. In parallel, CEN TC 346 has initiated a work group aiming to present European guidelines for energy efficiency in historic buildings.

Given that many European projects are represented at EWCHP 2013 and that the CEN work group has a meeting in connection to the conference, this would be a good opportunity to present the latest developments and discuss a common ground for a standard.

Objective
The objective of the workshop is to present and discuss different approaches and methods for a systematic and integrated decision making on energy retrofits in historic buildings. This will strengthen the efforts in the project and provide input to the proposed European guidelines.
**Programme**

The program will introduce into the theme with a number of short presentations, which are then followed by a discussion.

The objectives and progress of CEN TC 346 WG 8 Guidelines for improving energy performance of architecturally, culturally or historically valuable buildings (15 min)
Marte Boro, Norway

Potential and policies for energy efficiency in Swedish historic buildings (15 min)
Tor Broström, Sweden

The 3ENCULT approach: a multidisciplinary team to find the right solution for the specific historic building (15 min)
Alexandra Troi, Italy

Relation between historic buildings, the Energy Performance of Buildings Directive (EPBD) and the most important EPBD CEN standards (15 min)
Marleen Spiekman, Netherlands

Heritage significance and building retrofit: developing an impact indicator matrix for the EFFESUS project (15 min)
Carsten Hermann, Scotland

Guided Discussion with all participants (75 min)

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