Renovating Historic Buildings towards Zero Energy

A systematic approach for decision making and planning

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The decision context?
Basic elements of the decision process

• A systematic approach – step by step
• Transdisciplinary collaboration from the beginning
EN16883:2017
Guidelines for improving the energy performance of historic buildings

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung
About the standard

• **Guidelines** for improving the energy performance of historic buildings while respecting their heritage significance.

• **Scope:** Historically, architecturally or culturally valuable buildings. It is **not limited to listed buildings**, it applies to historic buildings of all types and ages.

• **A working procedure** based on an investigation, analysis and documentation of the building including its heritage significance.
Both demand and supply side
A procedural standard

- A systematic procedure to facilitate the best decision in each individual case.
- A step by step process with some iterations
- Each of the steps are described in the text of the standard
The guidelines can be used in several ways

- For quality assurance – follow strictly
- As inspiration to modify existing procedures
- As a checklist
Questions

• Is the standard being used?
• Does the standard work?
Enhancing the standard

• Support and additional information in each step of the process:
  • Tools
  • Guidelines
  • Training

• Best practice - real buildings
• Best practice - solutions
Summary

• Consider using the standard
• We are looking for more case studies

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