

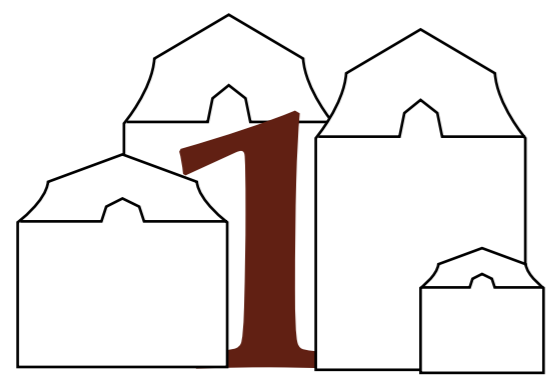


Robust internal thermal insulation of historic buildings

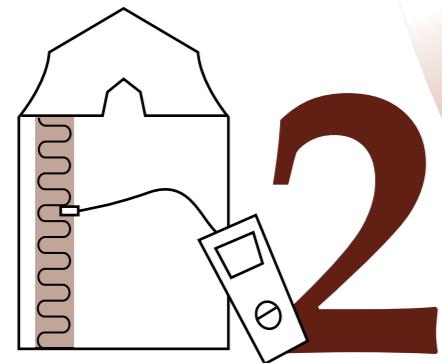
Making historic buildings more energy efficient

RIBuild is an EU research project that develops guidelines on how to install internal thermal insulation with an acceptable safety level against deterioration and collapse of heavy external wall structures. The aim is to make historic buildings more energy efficient while maintaining their architectural and cultural heritage.

Research



Screening



Case studies and laboratory tests



Development of methodologies



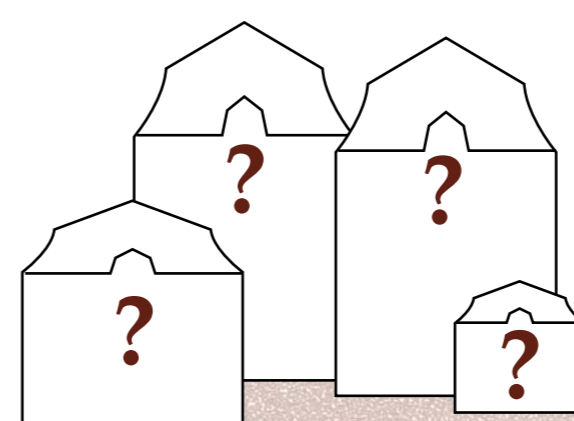
Guidelines

From 2015-2019 RIBuild investigates how and under what conditions internal thermal insulation can be employed. Research activities include on-site case studies as well as simulations of hygrothermal performance and laboratory measurements of materials.

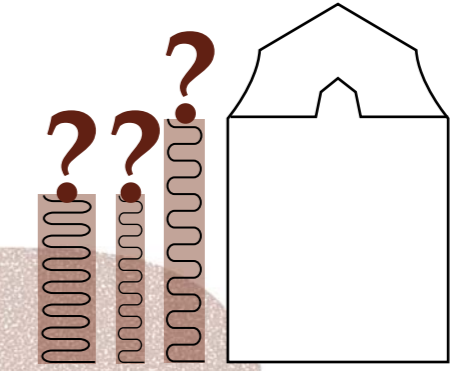
Guidelines

RIBuild will result in comprehensive guidelines for professional practitioners in the construction industry. The guidelines will be applicable to historic buildings across Europe.

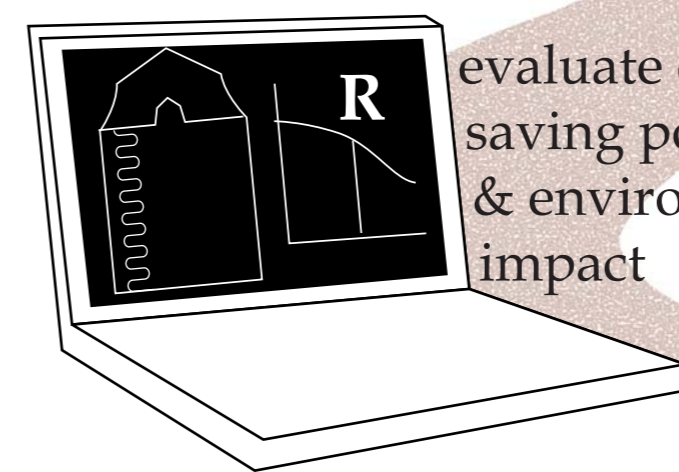
Guidelines on how to:



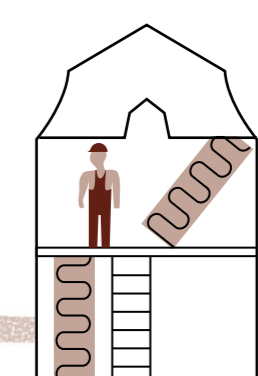
determine whether a building is suitable for internal insulation



determine which solution is suitable



evaluate energy saving potential & environmental impact



practically handle the installation of internal insulation

Buildings erected prior to 1950 make up 30 % of the European building stock.

There is an energy saving potential of 15-20 % in historic buildings with use of internal insulation.

Partners

