

## Robust internal thermal insulation of historic buildings

### A probability-based Life Cycle Assessment Software for retrofitting Historic Buildings

#### WHY?

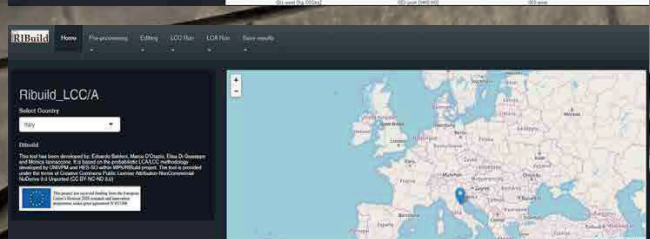
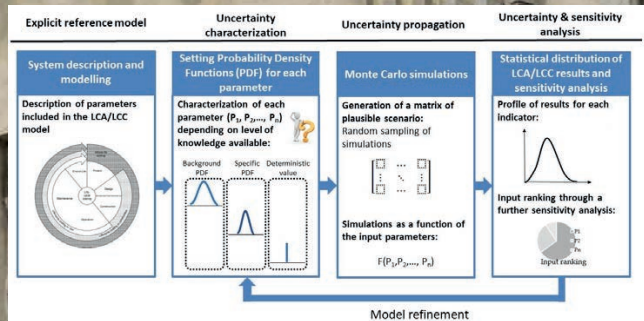
The potential of energy savings in historic buildings is great. However, barriers such as uncertain investments, long pay-back periods and perceived credit risk hamper energy renovation of buildings. Life Cycle Assessment (LCA) and Costing (LCC) in this field needs to properly consider calculation uncertainties, risks and constraints.

#### WHAT?

The RIBuild WP5 tool allows a "probability-based" LCA and LCC of buildings energy renovation, taking into account inputs uncertainties and alternative assessment scenarios. In this way, the user can investigate the affordability and environmental benefits of different design solutions, analyzing the inherent uncertainty and risk.

#### FOR WHOM?

Building designers and engineers, researchers, real estate stakeholders, policy makers can benefit from the tool.



#### Partners