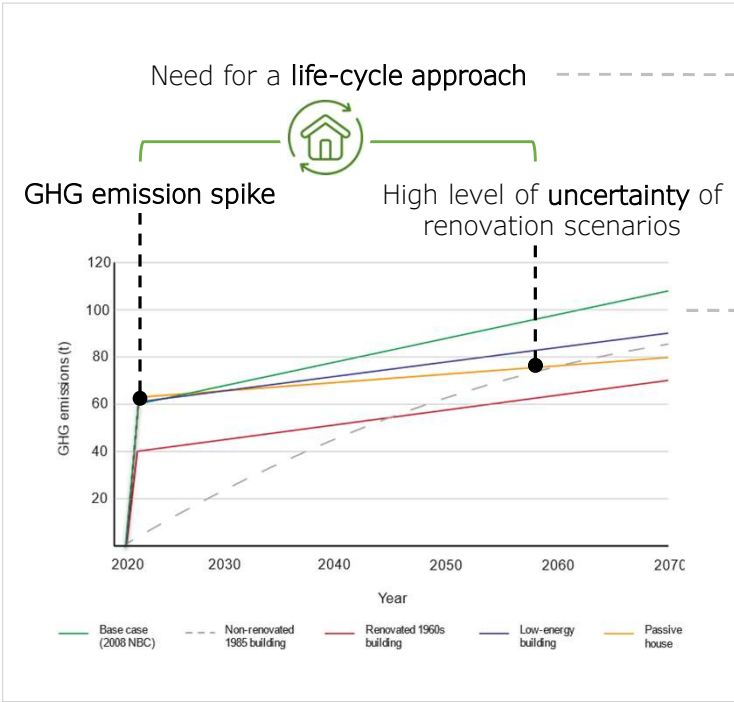




PROBLEM STATEMENT



OBJECTIVES

A **parametric and dynamic** life cycle assessment model for residential buildings' retrofitting that **couple**s embodied and operational GHG emissions

Data-driven parametrisation and simulation of renovation scenarios

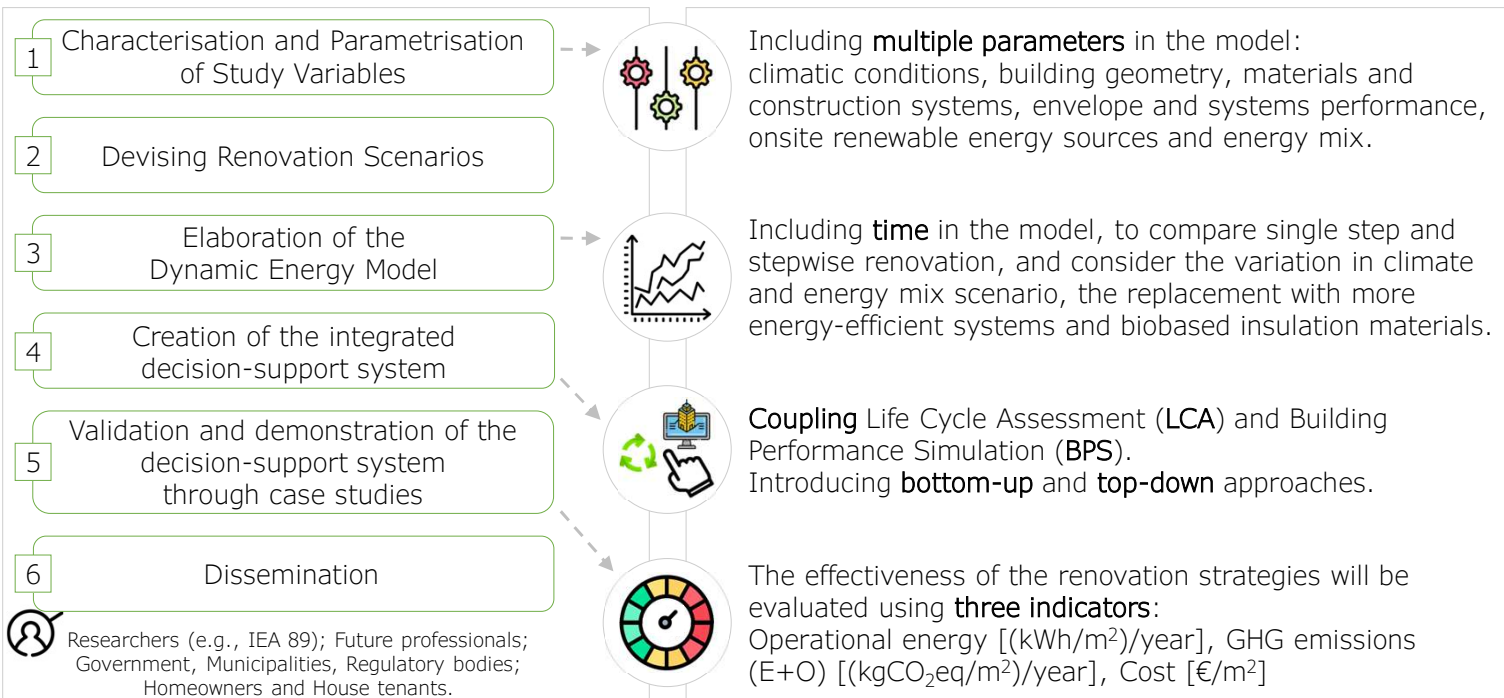
A **dataset** of different renovation scenarios for residential buildings

A series of **case studies** to validate the model



What is the optimal renovation scenario for residential buildings, considering its economic, thermal comfort and life cycle environmental impacts?

How to choose the most appropriate refurbishment strategy according to the location and the building type?



METHODOLOGY

ORIGINALITY