



BIM-based holistic tools for Energy-driven Renovation of existing Residences

Call: LC-EEB-02-2018



- BIMERR is an **EU-funded project** under Horizon 2020, related to the Building Information Modelling (BIM).
- 16 partners from **9 Member States**
- Budget: approx. **7€ million**
- Project duration: **45 months** (1/2019 - 09/2022)

- **AUTOMATED CREATION OF ENHANCED BUILDING INFORMATION MODELS**
- **RENOVATION DECISION SUPPORT SYSTEM**
- **PROCESS MANAGEMENT TOOL**
- **INTEROPERABILITY FRAMEWORK**

BIMERR Pilot sites



Pre-pilot Kripis

KRIPIS home, the first Smart Near-Zero Energy Building in Greece, with IoT, Smart Home solutions



Pre-pilot Athens

Residential building in Athens for smart sensors installation, audits, surveys, and digital model population activities



Pilot Bilbao

Residential building in Bilbao, Spain. 5-storey high with 60 apartments that will be renovated using the BIMERR tools



Pilot Warsaw

Residential building in Warsaw, Poland. L-shape, 4-storey building will be renovated using the BIMERR tools

RenoDSS

PWMA Toolkit

Interoperability Framework

Digital Model Creation

External Legacy Systems

Architect

Project Manager

Students & Researchers

Building Surveyor

BIM Modeller

Workers

Project Manager

Site Manager

Occupant

RenoDSS

LCC/LCA

Urban Plan

PWMA Toolkit

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Interoperability Framework

Digital Model Creation

External Legacy Systems