

# Driving Sustainable Renovation in EU Buildings



## EU context

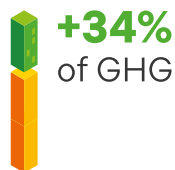
The EU building stock accounts for more than a third of total energy-related emissions, with residential buildings being the main contributor. Around **75% of these buildings have poor energy performance**. To address this significant challenge, the EU has introduced initiatives such as the **Fit-for-55 package** and the **Renovation Wave**, which aim to accelerate renovation rates and improve energy performance. By promoting deep renovations, the EU seeks to decarbonise the building sector, reduce energy consumption, and enhance overall sustainability.

To transform the building sector, the EU emphasises the need for easy-to-use and reliable tools, as well as accurate data. The **Energy Performance of Buildings Directive (EPBD)** supports this through **Article 14**, which is key to making informed decisions. These initiatives focus on improving data accessibility, providing financial support, and encouraging the use of innovative technologies to enable informed decision-making and ensure the success of renovation projects across EU Member States.

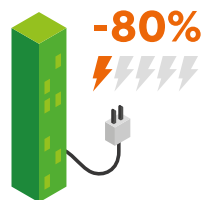


Photo: Jocke Wulcan / Unsplash

## Facts



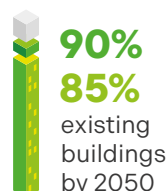
The EU's building stock is responsible for over 34% of the EU's energy-related greenhouse gas emissions.



Deep building renovations can reduce energy consumption by up to 80%, cutting both carbon emissions and energy costs.



The Renovation Wave aims to double the rate of building renovations by 2030, with an emphasis on residential buildings.



By 2050, 85-95% of existing buildings will remain, depicting the slow renovation rate of about 1% annually.

## Resources

- **Energy Efficiency Directive**
- **Fit for 55 package**
- **Renovation Wave**
- **Energy Performance of Buildings Directive (EPBD)**
- **Climate-neutral by 2050**
- **New European Bauhaus**

# Project Overview



## About

The ReLIFE project aims to make high quality data more accessible in the EU building sector. We are creating an easy-to-use, open-source platform that acts as a central resource for important information about buildings in Europe, including financial and technical details. This platform provides different groups—like financial institutions (e.g. banks), energy service companies, and building owners—share information more easily. Our ultimate goal is to increase the rate of major renovations in homes, helping to create a more sustainable and efficient future for all.

[relife-project.eu](https://relife-project.eu) [in](#) [video](#)

## Partners

Coordinated by:



Partners:

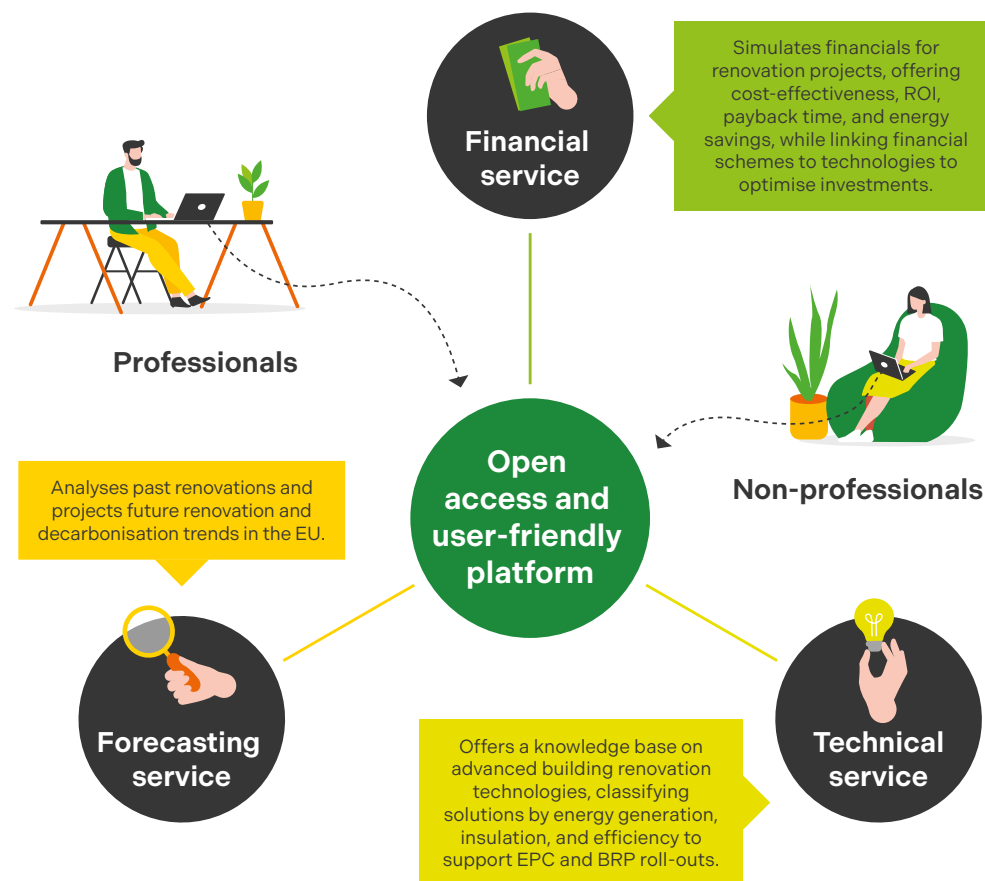


Associated partners:



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## Keywords

- Energy Efficiency Directive
- Building Energy Efficiency
- Clean Energy transition
- Building sector
- Deep Renovation
- Building Energy Data
- Data Quality and Accessibility
- Financial Services
- Energy Performance Certificates (EPCs)

## Budget

€ 1.977.113 Budget  
LIFE23-CET-ReLIFE on LIFE Public Database