

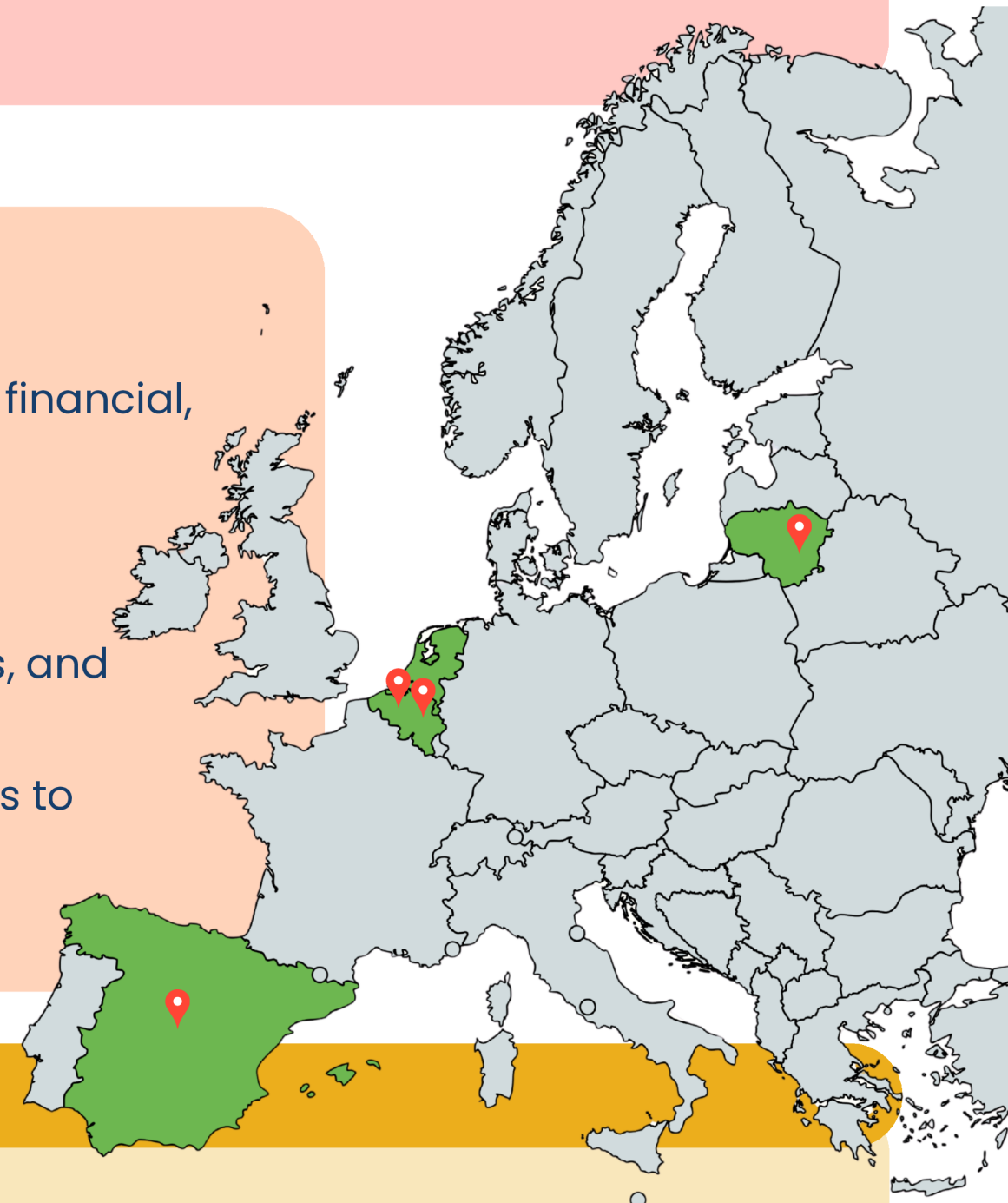
ENERGY POVERTY

Energy poverty is a pressing issue in the European Union, **affecting millions** and leading to adverse impacts on public health, social inclusion, and quality of life. It is mainly caused by a high proportion of household expenditure spent on energy, low income, and low energy performance of buildings and appliances.

IRENE aims to promote energy efficiency improvements in multi-apartment buildings, focusing on **vulnerable populations**, ensuring that no one is left behind in the **energy transition**.

METHODOLOGY

- **Local diagnosis** and energy poverty mapping.
- Creation and strengthening of **4 One Stop Shops (OSS)** to provide technical, financial, and legal support for energy renovations.
- Creation of **multi-stakeholder groups** with local authorities, community representatives, and technical experts.
- Implementation of **Energy Justice Hubs** to foster dialogue, develop solutions, and ensure the long-term sustainability of the project's impacts.
- **Inclusive and participatory process**, providing tailored training programmes to empower residents and stakeholders with the knowledge needed to actively engage in the energy transition.



PROJECT PILOTS



Madrid (Spain)



Leuven (Belgium)



Vilvoorde (Belgium)



Vilnius (Lithuania)

EXPECTED RESULTS

- Reduction of **energy poverty** and social inequalities.
- Improvement of thermal **comfort, health**, and indoor air quality.
- **Empowerment** of citizens and stakeholders.
- **Replicable models** for a fair, inclusive, and equitable renovation in Europe.
- Direct contribution to the **Green Deal** and the 2050 climate neutrality goals.

EXPECTED IMPACT

- **227** multi-apartment buildings renovated.
- Energy consumption reduced by **72GWh/year**.
- Greenhouse gas emissions reduced by **68,6 tCO₂e/year**.
- **7,440** vulnerable households benefited.
- **17,358** people benefited from improved health, comfort, and social inclusion.
- **500** residents trained in energy efficiency.
- **97** governance structures established to promote equitable renovation practices.
- **9** legislative acts implemented.
- **€293M** in investments secured.



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