

BUILT ENVIRONMENT CLIMATE SCENARIOS

 Pilot site: Riga, Latvia

Key Challenges

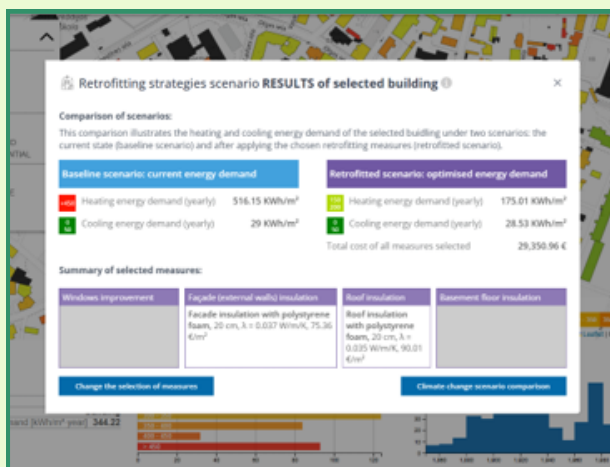


- Understanding and reducing energy demand in building stock under future climate conditions
- Evaluate retrofitting strategies
- Estimate solar PV potential on rooftops

Use & Applicability



- Visualises high-energy demand areas to retrofit, and estimates rooftop solar PV potential
- Multi-scale mapping (building, district, city)
- Compares energy demand under climate scenarios



Main features



- Interactive web tool with energy maps
- Energy demand projections by climate scenario
- Retrofitting impact assessment
- Solar PV potential estimation

Social impact



- Promotes energy efficiency & renewables
- Supports renovation prioritisation, energy communities
- Helps raise awareness through visual comparison
- Empowers citizens & decision-makers to act on sustainability