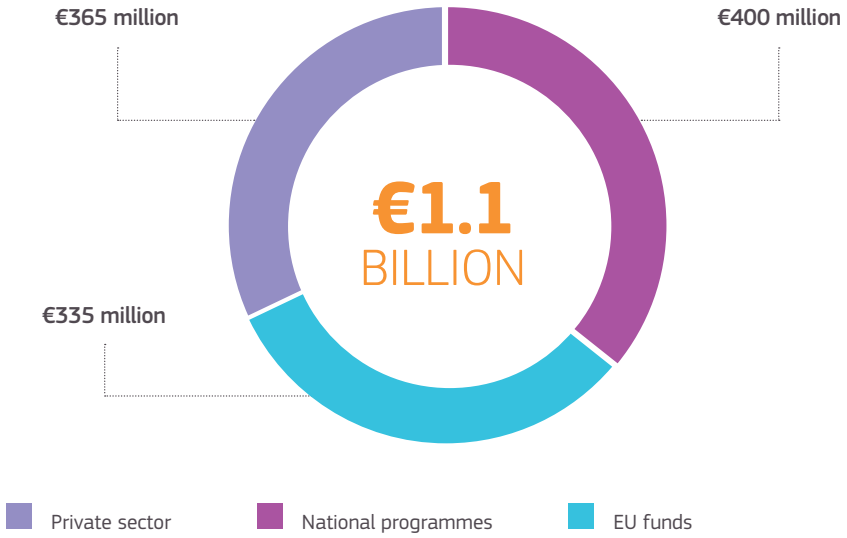
European Commission

ENERGY EFFICIENCY IN BUILDINGS IP 5

Buildings account for around 40% of the EU's total energy consumption. Deep retrofit can transform the built environment and provide warm, comfortable and sustainable homes and workplaces for European citizens. This also means lower carbon emissions and cleaner air: heating and cooling in buildings comes mainly from natural gas, fuel oil and coal. This Implementation Plan (IP) sets out to minimise energy demand and improve security of supply.

OVERALL INVESTMENT TO BE MOBILISED FOR ENERGY EFFICIENCY IN BUILDINGS FOR 2018–2025



EXAMPLES OF R&I ACTIVITIES

MOEEBIUS

Modelling Optimisation of Energy Efficiency in Buildings for Urban Sustainability uses digital planning and operational optimisation for low energy buildings. Its tools describe building operation complexities and optimise energy performance.

Budget: €7,288,383
2015-2019

https://www.moeebius.eu/

SCORE

This project is a gamechanger in the European energy transition towards a zero-energy built environment. By optimising all energy flows onsite, the built environment can support grid flexibility and enhance security of supply.

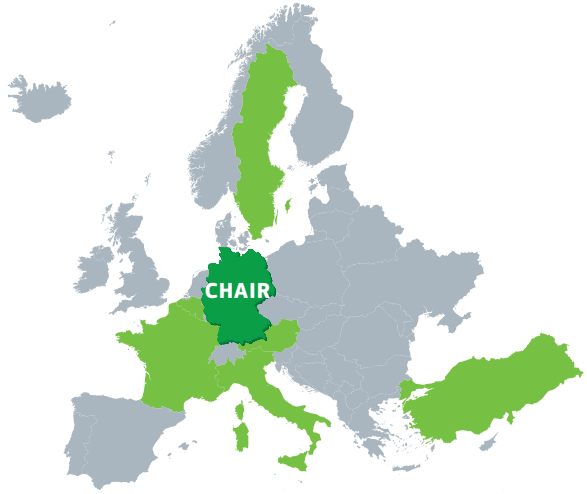
Budget: €5,998,598
2017-2021

http://www.scores-project.eu/

Who's involved ?

7
COUNTRIES

Austria, Belgium, France, Germany (Chair), Italy, Sweden, and Turkey.



STAKEHOLDERS

Euroheat & Power, European Construction Technology Platform (ECTP), European Heat Pump Association (EHPA), European Association for the Promotion of Cogeneration (COGEN Europe), European Turbine Networks (ETN), European Geothermal Energy Council (EGEC), European Platform of Universities in Energy Research and Education (EUA-EPUE), European Technology and Innovation Platform on Renewable Heating & Cooling (RHC), SINTEF Energy Research Steering Committee of the Biomass panel, European Solar Thermal Industry, Federation (ESTIF), and European Energy Research Alliance (EERA).