The Fit for 55 Package, which outlined policy measures to deliver the EU Green Deal, calls for a greater than 40% target for renewable energy sources by 2030 in the Renewable Energy Directive (RED). It also calls for an increased primary (39%) and final (36%) energy savings to be achieved by the Energy Efficiency Directive (EED). Accelerating the penetration of cost-effective and energy efficient **renewable heating and cooling (RES HC) technologies** will be key to the successful achievement of these targets. However, RES HC is hampered by ineffective policy measures, institutional barriers, stop-and-go financial support schemes and incumbent power which has designed markets around fossil fuel utilisation rather than capital intensive RES HC solutions.

**GeoBOOST** seeks to increase the deployment of **geothermal heat pumps** and open-loop systems Austria, Belgium, Germany, Ireland, The Netherlands, Poland, Spain, and Sweden, as well, as provide products and tools relevant for consumers, suppliers, and planners in all markets across the EU.

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The GeoBOOST project focuses on the steadily growing demand for renewable energy implementation in the heating and cooling sector. The project’s main goal is to promote broader use of the fast-evolving geothermal heat pump (GHP) technology. To do so the following challenges will be addressed: lack of awareness, revalorising high upfront CAPEX costs, lack of data and monitoring standards, insufficient business models and financing, regulatory harmonisation and expanding the workforce.

GeoBOOST will improve statistical and market data for geothermal heat pump investments, develop business models and financing schemes to help individual investors to understand the opportunities and to measure the progress towards the EU’s climate policy objectives. Besides a general raising of the awareness of geothermal heat pumps the project will work on a regulatory framework toolkit and a growing and upskilling of workforce.

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Site Web: https://gogeothermal.eu/projects/geoboost/
Project leader: European Geothermal Energy Council (EGEC)
Project partner: TU München
Chair of Hydrogeology, Geothermal Energy Group
Project team:
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Javiera Chocobar

Projects partners