ISSUE
06
December
2025

GeoBOOST

NEWSLETTER

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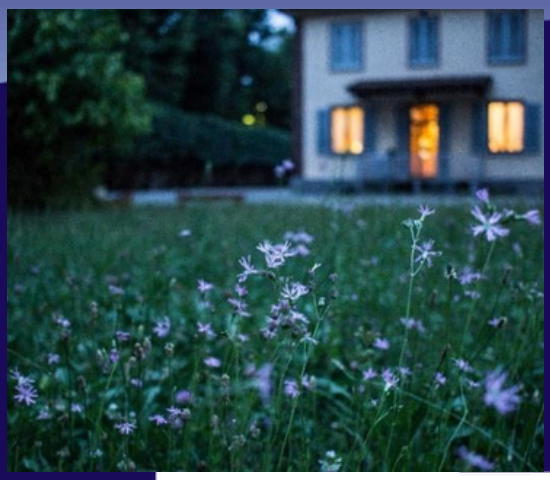

EVENTS

Last meeting of the Geoboost EU Project's Partners

The final meeting of the GEOBOOST project partners took place in Valencia, Spain, on 3 December 2025.

This meeting marked a final opportunity for partners to **come together and reflect on the achievements and contributions of the GEOBOOST project.** Over its lifetime, the project brought together stakeholders united by a shared vision: **removing the barriers that still hinder the widespread deployment of geothermal energy in Europe, while supporting public administrations and technical professionals in the transition towards more sustainable and energy-efficient buildings.**

Following the partners' meeting, the event **"Geothermal Energy and Sustainable Buildings: Local Actions for Global Goals"** was held the next day. The event highlighted how geothermal energy can transform public buildings and cities, showcasing the link between Europe's climate and energy objectives and concrete actions implemented at the local level.

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NEWS

UK Geoenergy Observatory investigates use of acoustic sensing for shallow geothermal monitoring

Studies are ongoing at the UK Geoenergy Observatory in Cheshire to investigate the use of distributed acoustic sensing (DAS) to detect subsurface temperature changes in geothermal environments.
DAS sensing has already been used extensively in many subsurface settings, but it is yet to be widely developed for monitoring of shallow geothermal operations. The current study uses a high-resolution, fibre-optic DAS sensing system installed in the boreholes at the Cheshire observatory.

Know more

GEOBOOST DELIVERABLE

New Geoboost Deliverable: Financial Analysis and Policy Recommendations

Geothermal heat pumps (GHPs) are a key technology for a decarbonised future. Yet despite their clear technical potential, deployment still faces persistent barriers to wider uptake across Europe. These include **high upfront costs, uncertainty around operational expenditure, insufficiently mature financial mechanisms and business models, and uneven regulatory and market conditions.**

In light of these challenges, the GeoBOOST Deliverable 4.2 (“Report on the financial framework including a catalogue of strategies and measures for fostering future investments”) focuses on strengthening the financial case for GHPs and improving equitable access by addressing three main objectives:

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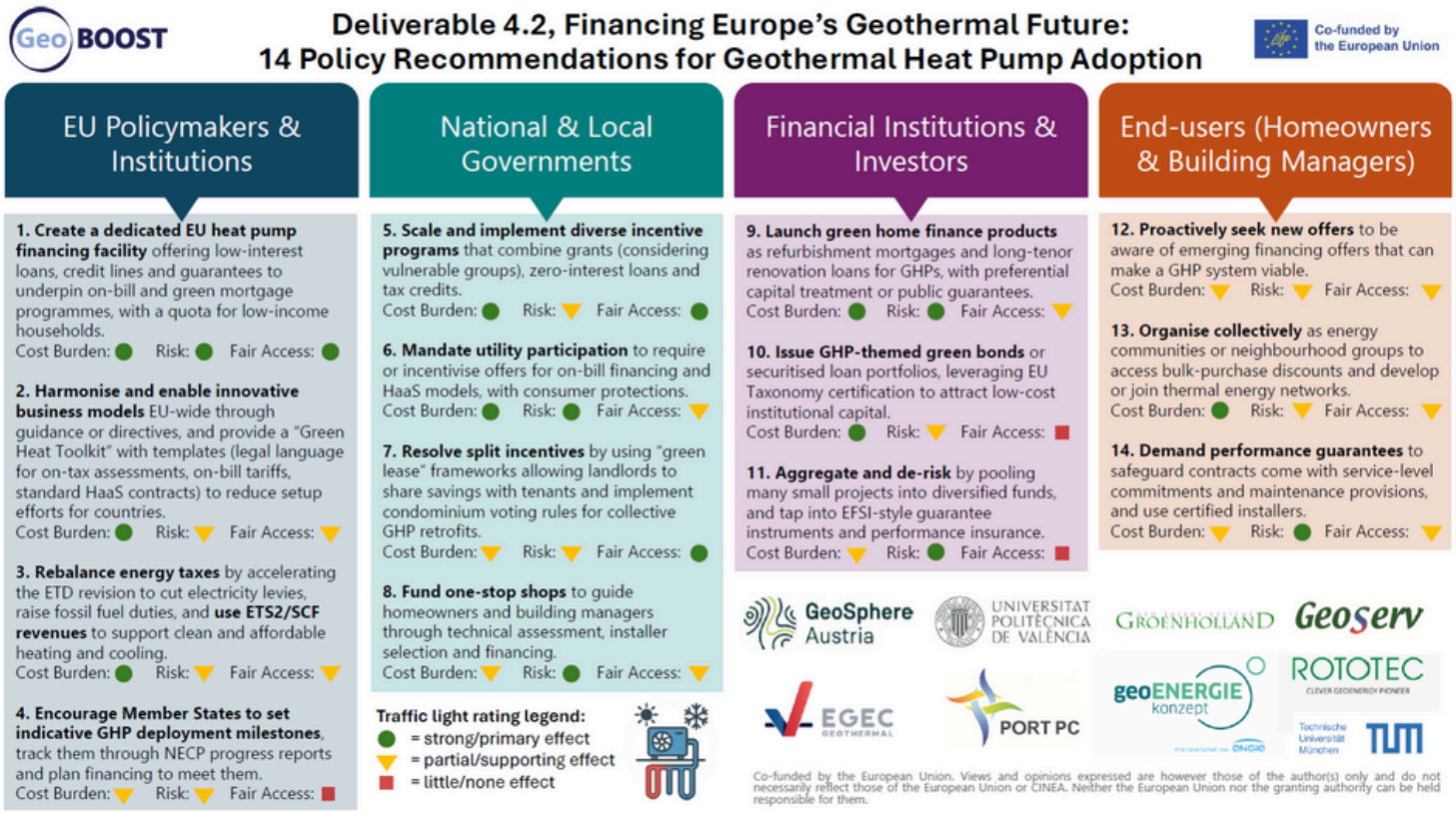
1. **Current public subsidy schemes across our partner countries** have been examined to better understand opportunities and gaps in how different Member States support GHPs for heating and cooling.

2. The deliverable introduces a **novel affordability assessment methodology.** With the so-called "affordability score", different heating and cooling technologies can be compared on equal footing across countries – accounting for capital and operating costs, energy prices, and socio-economic context under 2023 conditions. The results show that when assessed over their lifetime, GHPs consistently outperform fossil alternatives. The full implementation of the methodology is freely available on Zenodo.

3. The deliverable makes **14 policy recommendations** (including both government levers and market-enabling actions) intended to reduce financial hurdles, stimulate long-term investment, and better align capital and operational expenditure interests. These recommendations, which are rated against their potential impact on three criteria, are illustrated in the graph below.

Deliverable 4.2 can be found in the project website.



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GEOBOOST BROCHURE

Grounded in Innovation: Geothermal Heat Pumps for Europe's Clean Energy Future

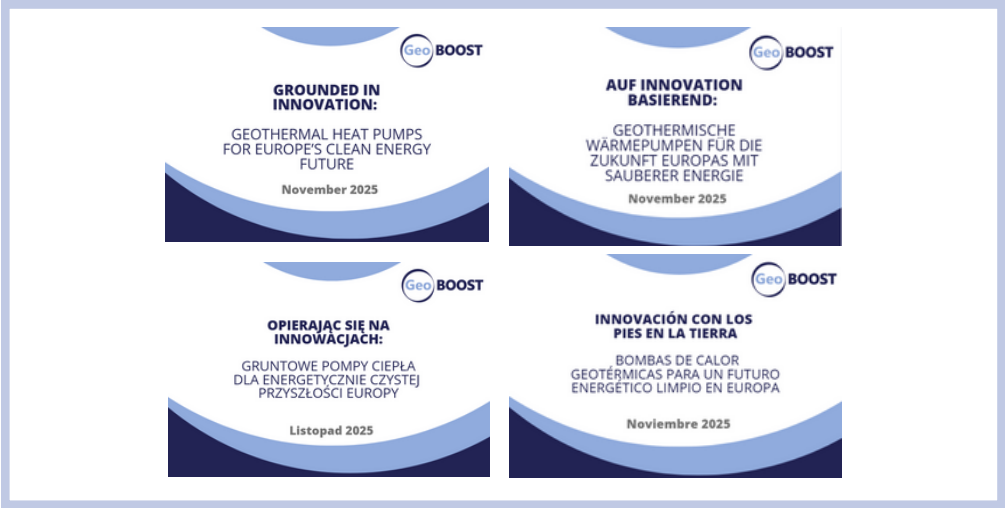
GEOBOOST achievements are now available in the **GEOBOOST Brochure, with materials offered in English, Polish, German, and Spanish.**

The brochure presents:

- Financing recommendations to support geothermal investments
- Life-cycle cost comparisons of heating technologies
- Best-practice business models
- Opportunities to build geothermal expertise through the GEOBOOST MOOC.

Through knowledge sharing, policy innovation, and user-focused tools, GEOBOOST is helping Europe unlock the full potential of the ground beneath our feet—advancing clean, affordable, and resilient energy systems for the decades ahead.

Check the Brochure now!



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DON'T FORGET THE MOOC!