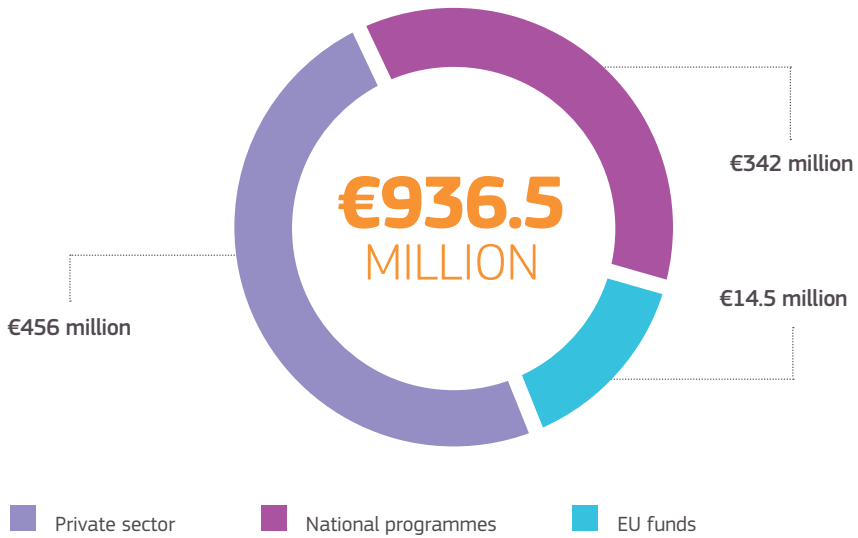
European Commission

DEEP GEOTHERMAL ENERGY IP

District heating systems can be adapted to use local geothermal resources instead of imported fossil fuels. This contributes to energy security, price stability, and independence from fossil fuels. The importance of geothermal energy was recognised with the launch (at COP21) of the Geothermal Global Alliance, a coalition of 42 countries and 29 development and industry partners joining forces to advocate for geothermal energy.

OVERALL INVESTMENT TO BE MOBILISED FOR DEEP GEOTHERMAL ENERGY FOR 2018-2030



EXAMPLES OF R&I ACTIVITIES

REDUCTION IN DRILLING/WELL COMPLETION COSTS

This activity aims at demonstrating concepts that can significantly lower costs (reduce drilling time and non-productive time, reduce costs, mitigate risks) or enhance reservoir performance (including directional and horizontal multilateral drilling).

Budget: €52 million
2018-2022

PERFORMANCE IMPROVEMENT OF SYSTEMS

This project aims at enabling electricity generation from geothermal energy resources with medium and low enthalpy, including double flash and complex/hybrid cycle systems, organic Rankine Cycles (ORC), Kalina and supercritical CO2 cycles.

Budget: €22 million
2018-2022

Who's involved ?

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COUNTRIES

Netherlands and Switzerland (co-Chairs), Belgium, Cyprus, Germany, Spain, France, Ireland, Iceland, Portugal, Sweden, Turkey, Danemark, Italy, Romania, Slovenia, Norway

3 ORGANISATIONS REPRESENTING 110 STAKEHOLDERS
From industry, research and science: EERA JP Geothermal, ETIP Deep Geothermal and European Geothermal Energy Council.