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InnoGeo



Improving the energy efficiency of geothermal energy utilisation by adjusting the user characteristics

January, 2021

Press Release

In October 2020, a project entitled **'Improving the energy efficiency of geothermal energy utilisation by adjusting the user characteristics'** has started. It is funded by Iceland, Liechtenstein and Norway through the EEA and Norway Grants Fund for Regional Cooperation.

The project aims to increase the economics of geothermal district heating systems in Poland, Hungary and Slovakia, to support their sustainability and to decrease air pollution and CO₂ emissions. Meeting these goals should contribute to getting geothermal DH systems more popular in cities and to contribute towards mitigating climate change.

The Project partners are the Mineral and Energy Economy Research Institute of the Polish Academy of Sciences (Project Leader), SLOVGEOTERM a.s. (Slovakia), InnoGeo Research (Hungary), the National Energy Agency (Iceland) and NORCE Norwegian Research Centre AS (Norway). The project will be implemented until September 2023. The budget is EUR 1,32 million.

The main project activities

- Exchange of good practices in the management of geothermal district heating between the donor countries (Iceland, Norway) and the beneficiary countries (Poland, Slovakia, Hungary), that will increase economic as well as environmental and climate benefits for all.
- Mathematical modelling of geothermal systems (energy source - heat distribution – end-users), to identify optimal solutions for the supply of geothermal heat in the beneficiary countries, considering geothermal conditions and heat prices on domestic markets
- The focus will be on district heating power control system and importance of individual customers in a system, by providing knowledge, experience, and technical solutions to improve efficiency in geothermal, based on data utilisation and roles of public and individual sustainable solutions. The project will also focus on encouraging customers at homes to modify heating installations in order to improve the efficiency of heating needs.

More information about the EEA and Norway Grants Fund for Regional Cooperation:

<https://www.eeagrants.org/>

More information on the Project:

<http://user4geoenergy.net/>

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