

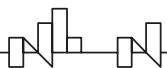
Improving the energy efficiency of geothermal energy utilisation by adjusting the user characteristic

User4GeoEnergy

Project Introduction

PROJECT OVERVIEW

- Financing: 90% Fund EEA and Norway Grants Fund for Regional Cooperation + 10% own contribution,
- Fund priority sectors: Environment, Energy, Climate Change and Low Carbon Economy,
- Project title: **Improving the energy efficiency of geothermal energy utilisation by adjusting the user characteristics**
- Project index number: 2018-1-0502
- Lead partner: Mineral and Energy Economy Research Institute, Polish Academy of Sciences, Poland
- Start date of implementation 01/10/2020, end date of implementation 30/09/2023, duration 36 months



PROJECT PARTNERS

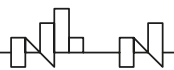
Donor partners

- National Energy Authority (NEA, Iceland)
- NORCE Norwegian Research Centre AS



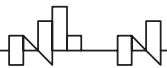
Beneficiary partners

- Mineral and Energy Economy Research Institute, Polish Academy of Sciences (MEERI PAS, Poland, lead partner)
- SLOVGEOTERM a.s. (Slovakia)
- INNOGEO (Hungary)



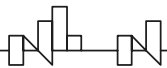
MAIN ACTIVITIES

- **Exchange of good practice 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), **in order 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 individual customers in their homes by providing knowledge, experience, and technical solutions to improve the efficiency of geothermal heating.** This will be based on data utilisation and the roles of public and individual sustainable solutions. The project will also focus on encouraging customers to modify heating installations in their homes in order to increase their heating efficiency.



PROJECT OBJECTIVES

- Our objectives are a long-term improvement in the efficiency of geothermal operations and a decrease in their environmental footprint: direct contributions to a less carbon-intensive and more energy secure economy in Europe.
- Our goal is to increase the economics of geothermal DH systems and to support their environmental sustainability simultaneously. We wish to achieve this goal by expanding the knowledge of our staff and by providing innovative solutions to operators.
- Moving towards low-carbon and energy secure economies requires the use of renewables on the one hand, and, maintaining a good status of the environment on the other.
- These objectives can be achieved simultaneously.



PROJECT TARGET GROUPS

The target groups of our activities are:

- the researchers and scientists of the beneficiary partners,
- the general scientific community, DH system operators, energy users throughout Europe.
- **The end-beneficiary of our project is the environment.**

- **FOR MORE INFORMATION PLEASE VISIT: user4geoenergy.net**

