PRESS RELEASE

Project: **Technical development of the Beius District Heating system**

The EEA and Norway Grants are funded by Iceland, Liechtenstein and Norway. The Grants have two goals – to contribute to a more equal Europe, both socially and economically – and to strengthen the relations between Iceland, Liechtenstein and Norway, and the 15 Beneficiary States in Europe. Please read more at <https://eeagrants.ro>

**Project partners:**

1. NEA The National Energy Authority (NEA, Orkustofnun in Icelandic) – Project Promotor <https://orkustofnun.is/>
2. Municipality of Beius – Project Partner <https://www.municipiulbeius.ro/>

**Total project budget:** 149.100 Euro

**Duration of the project:** october 2024 – march 2025

The primary objective of this partnership between the National Energy Authority of Iceland (NEA – Project Promoter) and the Municipality of Beius (Beius – Project Partner) is the comprehensive re-evaluation of the expanded district heating system in Beius. The project will refine the use of geothermal resources for district heating and other applications, using advanced technologies to deepen understanding of the geothermal reservoir, improve system efficiency, and explore new geothermal applications. This initiative aims to maximize geothermal benefits for Beius, aligning with modern goals of energy efficiency and sustainability.

**Project objectives:**

1. Enhanced Reservoir Understanding: Develop a 3D geological model of the geothermal reservoir using drilling and operational data to optimize resource extraction, determining the potential and capacity of the geothermal resources available in the region, and ensuring sustainable utilization.

2. System Efficiency Improvement: Conduct a thermal efficiency study of the current district heating system, focusing on pipeline and micro thermal points. Developing a design for the district heating system, considering the local needs and geothermal resource characteristics.

3. Innovative Technology Implementation: Explore the adoption of closed-loop geothermal technology for more sustainable energy harnessing.

4. Evaluate the use of heat pumps with waste warm water for large city consumers (school, hospital, multi-apartment buildings) and/or agricultural drying processes.