

Information on the Project **„Capacity building of the key stakeholders in the area of geothermal energy”**

Project co-financed by FM European Economic Area 2014–2021

”Environment, Energy, Climate Change” Program

”Energy” Program Area

Project Opening event

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❑ **Project Partners:**

- **Mineral and Energy Economy Research Institute, Polish Academy of Sciences (MEERI PAS), Poland – leader**
- **National Energy Authority (Orkustofnun / NEA), Iceland – partner from Donor State**

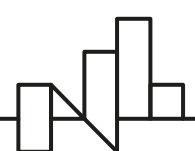


Institutions leading geothermal sector in their countries, significant achievements in geothermal energy research, practice, training, promotion

Partners of 2 first bilateral (PI-Is) "geothermal" EEA FM projects, 2016–2017

❑ **Realization period:** 16.10.2020 – 30.04.2024

❑ **Budget:** 3 835 062 PLN (ca. € 900 000)



□ **Program Operators:**

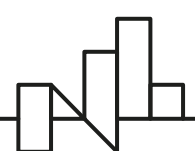


Ministry
of Climate and Environment



National Fund
for Environment Protection and Water Management

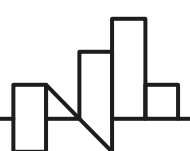
- **One from three pre-defined projects in Poland** that were planned and agreed between the parties during the negotiations stage of the "Environment, Energy and Climate Change" Program, EEA FM 2014-2021



□ Project objective

- To build the knowledge of key stakeholders in Poland in the field of optimal use of geothermal energy and management of its resources, especially for the needs of low-emission heating,
- To enhance capacity building and knowledge-based methods, following long experience of geothermal energy in Iceland. This will be done through good methods, practice, and technologies, with the support of appropriate government initiatives, financial mechanisms, and management strategies;
- To increase energy security, development of low-emission heating, an opportunity to increase social and economic equality by providing clean energy and, inter alia, lowering heating costs.
- The Project aim is also to decrease pollution and CO₂ emissions and contributing towards mitigating climate changes.

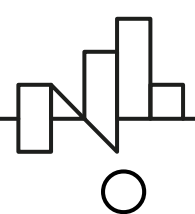
The Project will support initiatives aimed at the development of geothermal heating in Poland - national and international research and investment funding programs (including programs shown at this Event)



□ Project target group

Representatives of key stakeholders of the geothermal sector in Poland:

- Administration of various levels
- Local governments
- Operators, investors of existing and planned heating plants, other geothermal installations
- Beneficiaries of government programs supporting the identification of resources and geothermal energy uses in Poland
- Geological administration
- Scientific-research entities
- Service providers, consultants
- NGOs
- Other entities from geothermal sector



❑ Main Project activities:

- A1. Training activities in Poland (2021–2023)
- A2. Study visits in Iceland (2021–2023)
- A3. Expert study visits in selected localities prospective for geothermal development in Poland (2022–2023)
- A4. Report from Expert study visits on possibilities of geothermal energy use in selected localities in Poland (2022–2023)
- A5. Information and communication (2020–2024)
- A6. Final report (2024)
- A7. Project management (2020–2024)



A.1. Training activities in Poland (2021–2023)

A.2. Study visits in Iceland (2021–2023)

Note:

the given plans and dates may change depending on the epidemic situation in Poland and Iceland

Please contact us and check the Project's website from March 2021



❑ Z.1. Training activities in Poland (2021, 2022–2023). Planned. Leader MEERI PAS

- **20-30 participants each year** (2021 – an online form)
- **3 days** (2 days lectures + 1 day technical visit to selected geothermal installation)
- **Planned dates** – end of 1st half of each year. **2021** – tentative Oct/Nov 2021 (online)
- **Lecturers** – experts from Iceland and Poland (Orkustofnun / NEA, MEERI PAS, other)
- Framework program – topics oriented at geothermal district heating (more – next slides)
- **Free participation in the trainings.** Costs covered by the Project budget, inter alia: organisation of trainings, costs of lecturers, interpretation, training materials, incl. manual, tym podręcznik, catering, 2 overnights (catering, overnights – if trainings are real)
- Trainings' venues (2022–2023) – tbd later
- **Applications for trainings** (incl. preferred year of participation) : via Project website since March 2021
- **Applications for training in 2021: details and dates on a Project website soon**

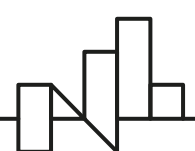


□ Z.1. Training activities in Poland Polsce (2021–2023)

Framework thematic scope

- Introduction to geothermal energy
- Basic types of using geothermal energy in heating / energy sector, etc. key areas for Poland (technological, energy, installation, design, legal, and other aspects)
- Optimal technologies for drilling and equipping geothermal wells
- Optimal methods for the sustainable exploitation of geothermal reservoirs and systems
- Basic methods of mitigation the decrease in productivity and injectivity of geothermal wells and reservoirs
- Ecological, economic, formal and legal aspects of geothermal projects, licensing, methods of public support. Organization and management of geothermal projects. Geothermal in energy policies and strategies of Iceland and Poland.
- Basic methods of research and modeling of geothermal reservoirs and systems
- Selected examples of geothermal energy management in Iceland relevant to the conditions of Poland (operational, energy, installation, economic, ecological aspects, etc.)
- Geothermal resources in Poland.
- Selected examples of current geothermal energy management in Poland useful for the further successful use of this source
- Technical visits to selected geothermal installations in Poland

The detailed scope of the program may be specified (e.g. depending on the proposals of participants, previously expressed)

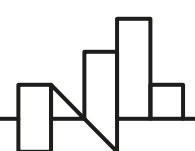


□ Z.2. Study visits in Iceland (2021–2023). Planned. Leader: Orkustofnun / NEA

- **17 participants each year**
- **3 days of study visits** (+ 2 days travel): selected geothermal heating installations , etc., meetings with experts, operators, etc.
- **3 runds**, 1 visit in Oct/Nov each year.
Current corrected plan: 1st round in 2022 (exact date – tbd later)
2021 – virtual form considered (tbd later)
- **Conducting the visits** – Icelandic experts (Orkustofnun / NEA, other) (cooperation on organisation MEERI PAS)
- **Framework program** – next slide
- **Free participation in the visits.** Costs covered by the Project budget, i.e.:
flights, local transport, information materials, interpretation, catering, 3 overnights
- **Registration for study visits in (2021), 2022, 2023** (incl. preferred year of participation): via online form at Project website (soon available on Project website)*, **

* *Participation in Study visits in Iceland – for prs who have previously participated in training in Poland (A.1)*

** *Participation in a visit in a given year will also depend on the order of applications and belonging to one of the Project target group*



□ Z.2. Study visits to iceland (2021–2023) Framework program

- Introduction to study visits (Iceland's geothermal conditions, the role of geothermal energy in zero- emission energy and sustainable state economy. Review of geothermal energy uses in celand (cases appropriate for Polish conditions).
- Information from Polish participants about geothermal energy in Poland, plans, prospects in the localities from which the participants will come
- Visits in selected geothermal heating installations (examples suitable for Polish conditions).
Exploitation parameters, technologies, energy, ecological, economic etc. Aspects. Examples of other uses.
- Meetings and working discussions of the visit participants with representatives of the Icelandic side (with NEA partner, operators and employees of the visited facilities, etc.), establishing contacts

The detailed thematic scope and program of visits will be developed after the Project implementation commences. Emphasis will be placed on the use of geothermal energy in heating / energy, which is particularly important for the stakeholders and Polish conditions, on modern, proven technologies and solutions.



More information on Training activities in Poland and Study visits to Iceland:

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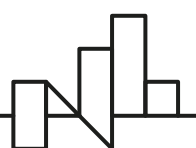
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Project website (coming soon)

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- A.3. Expert study visits to selected localities in Poland with prospects for the geothermal energy development (2022–2023; 2 localities each year)**
- A.4. Report on expert study visits on the possibilities of using geothermal energy in selected localities in Poland (2022–2023)**
 - We will present the details of the activities at a later date
 - Local governments, other entities that would be interested i- please contact us



**We invite you to participate in the Project –
trainings, study visits, and other activities**

Thank you for the attention!

Beata Kępińska and Project partners

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Together we work for **green**, **competitive** and **inclusive** Europe

