

Poprawa efektywności wykorzystania energii geotermalnej przez dopasowanie charakterystyki odbiorcy

User4GeoEnergy

Działania promocyjne, budowanie potencjału dla współpracy

WP 3 Capacity building

Kirsti Midttømme, NORCE



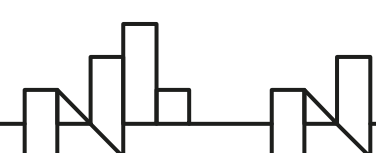
WP3 Outcome, Outputs and Activities

1. Outcome

Enhanced cooperation and improved mutual knowledge and understanding between the donor and beneficiary states.



Outputs	Activities	Forecasted start date	Forecasted end date	Name of responsible partner
2 Capacity building events organised	Development of learning materials and capacity building in Reykjavik	01/09/2020 Capacity building events 26-28/4/2022	31/12/2020	National Energy Authority
	Development of learning materials and capacity building in Bergen ^{Oslo}	01/03/2021 Capacity building events 23-25/5/2022	30/06/2021	NORCE Norwegian Research Centre AS
3 Joint stakeholder consultation events organised	Development of orientation materials and stakeholder consultation in Krakow	01/09/2021 Site visit & stakeholder seminar 6-8/12/2022	31/12/2021	Mineral and Energy Economy Research Institute, Polish Academy of Sciences
	Development of orientation materials and stakeholder consultation in Galanta	01/03/2022 Site visit & stakeholder seminar 10-12/5/2023	30/06/2022	SLOVGEOTERM a.s.
	Development of orientation materials and stakeholder consultation in Szeged	01/09/2022 Site visit & stakeholder seminar 8-10/5/2023	31/12/2022	InnoGeo Research and Service Nonprofit Public-benefit Ltd

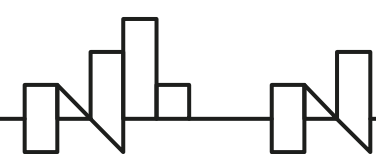


Site visit Reykjavik, Iceland 26-28 April 2022

- How Iceland has utilized its geothermal resources.
- Spin off markets and industries based on cheap geothermal heat and electricity
- Developing of more energy energy-efficient high temperature geothermal energy technologies.



Photos: User4GeoEnergy

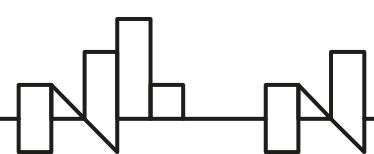


Site visit Norway 23-25 May 2022

- How Norway has utilized its low-temperature geothermal resources.
- Underground Thermal Energy Storage (UTES) and Ground Source Heat Pump Applications
- Utilization of low-temperature 6-8°C groundwater for heating and cooling



Photos: User4GeoEnergy



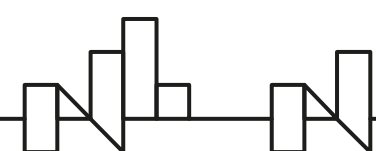
Site visit & stakeholder events Krakow 6-8 December 2022

Day 1 Technical tour, Podhale

- Visit at geothermal facility of MEERI PAS in Bańska Niżna
- Visit at geothermal installations in PEC Geotermia Podhalańska
- Technical visit Chochołowskie Termy

Day 2 Geothermal workshop, Krakow

- Presentation of USer4GeoEnergy results
- Presentations of ongoing geothermal activities in Poland



Site visit & stakeholder events Budapest and Szeged, Hungary 8-10 May 2023

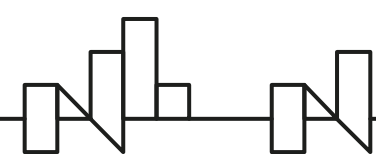
Site visit Szeged

- Drilling site
- Heating plant

Geothermal workshop

- Participants from DH companies, researchers from universities and personnel from enterprises

Site visit thermal spas in Budapest



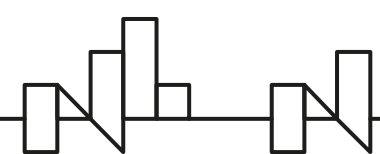
Site visit & stakeholder events Bratislava, Slovakia, 10-12 May 2023

Day 1 Technical tour

- Galanta geothermal district heating system
- Velky Meder geothermal DHS

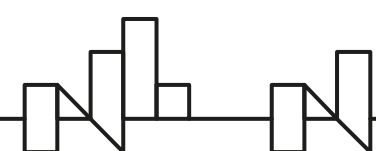
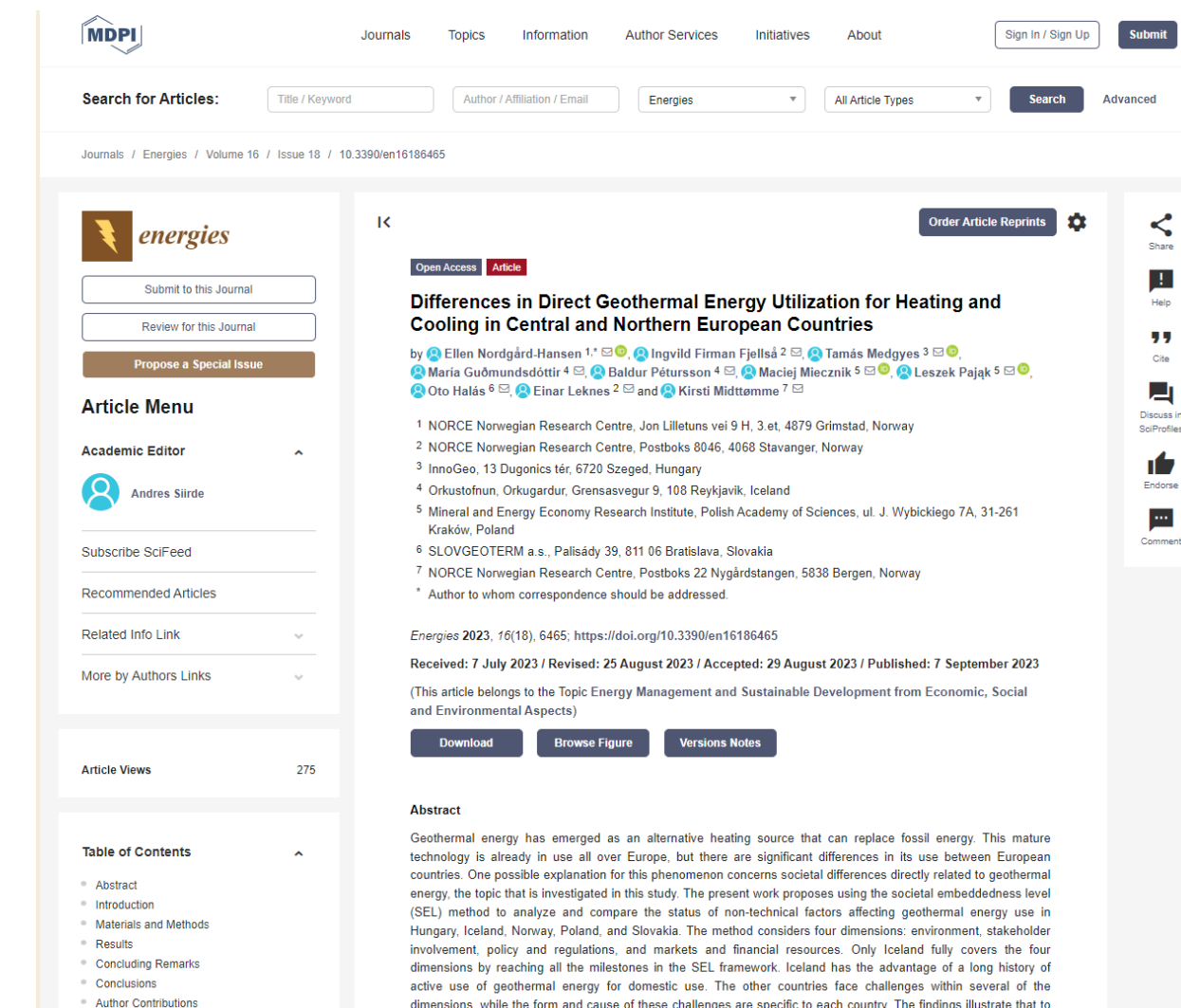
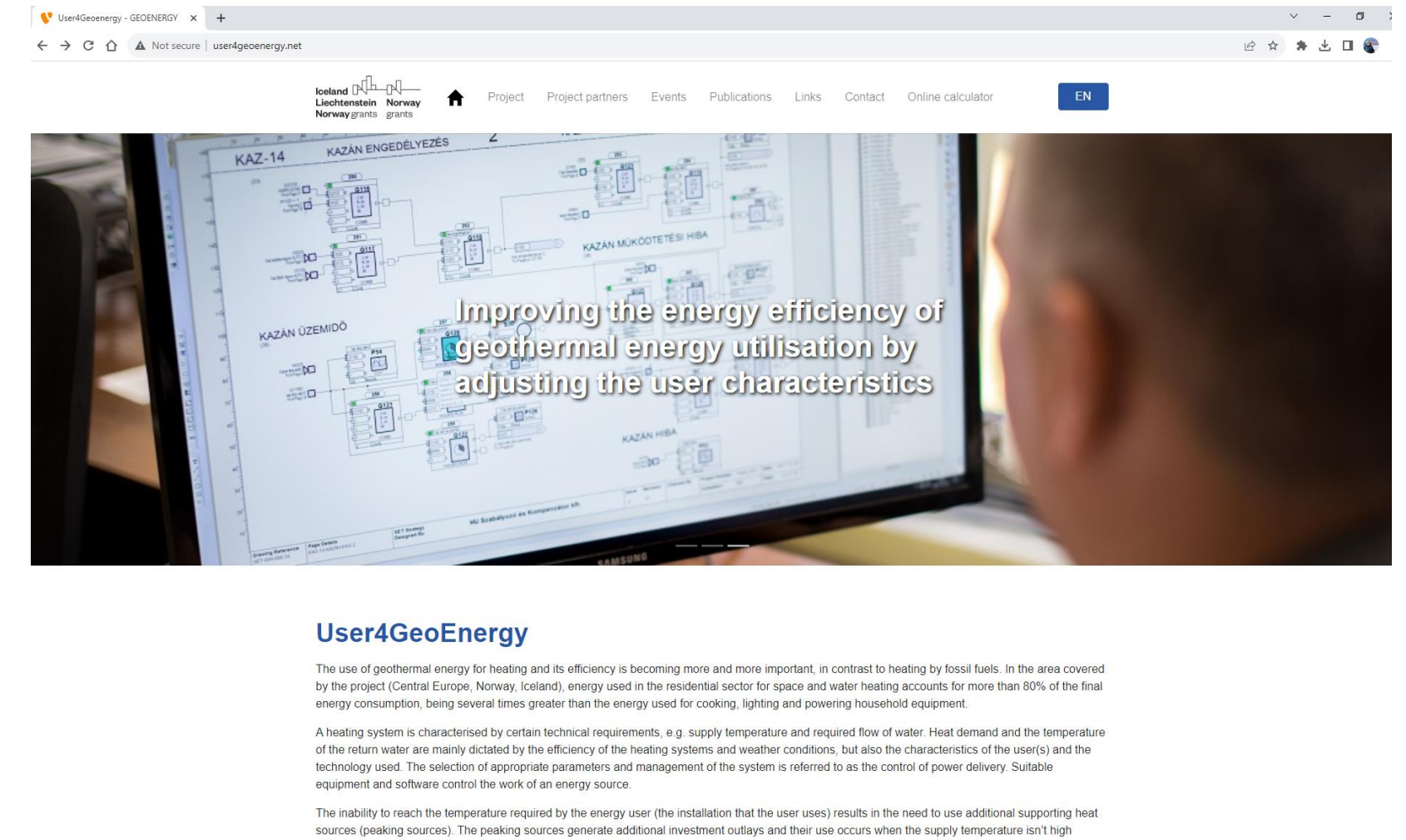
Day 2 Geothermal workshop

- Geothermal projects in Slovakia
- Results from User4GeoEnergy



WP3 Deliverables

- User4GeoEnergy web page, <http://user4geoenergy.net/>
 - Presentations from project workshops
 - Reports from project events.
 - Press release
 - Photos & videos
- Publication
 - Differences in Direct Geothermal Energy Utilization for Heating and Cooling in Central and Northern European Countries Nordgård-Hansen et al. 2023, Energies



Dziękuję za uwagę

Partnerzy:



Instytut Gospodarki
Surowcami Mineralnymi
i Energią
Polskiej Akademii Nauk

