



**GEO THERMAL**  
**IWG**

Iceland  
Liechtenstein  
Norway grants



REPUBLIC OF SLOVENIA  
MINISTRY OF THE ENVIRONMENT,  
CLIMATE AND ENERGY

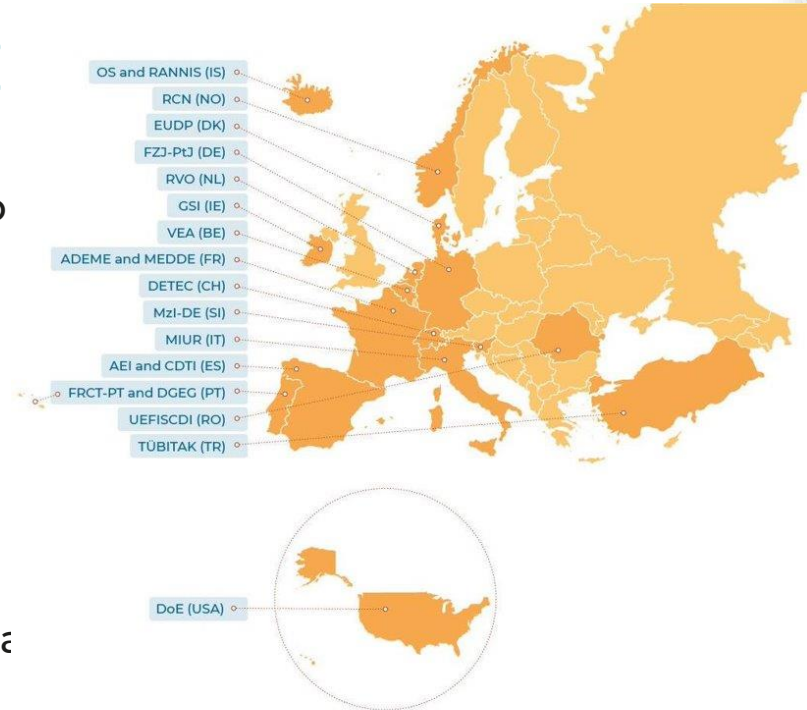
# GEO THERMICA Initiative

Lauren Boyd

Department of Energy, United States  
Co-Chair of Initiative

# Past and Present

- Over 10 years of strong partnership
  - GEOTHERMICA CO-FUND
- GEOTHERMICA Initiative
- **Thirty** granted research projects engaging **sixteen** countries
- Over ten joint activities to foster knowledge transfer and geothermal deployment



# GEOTHERMICA Calls

**30** projects funded in total

Total project cost: **121M€**

Total funding: **75M€**

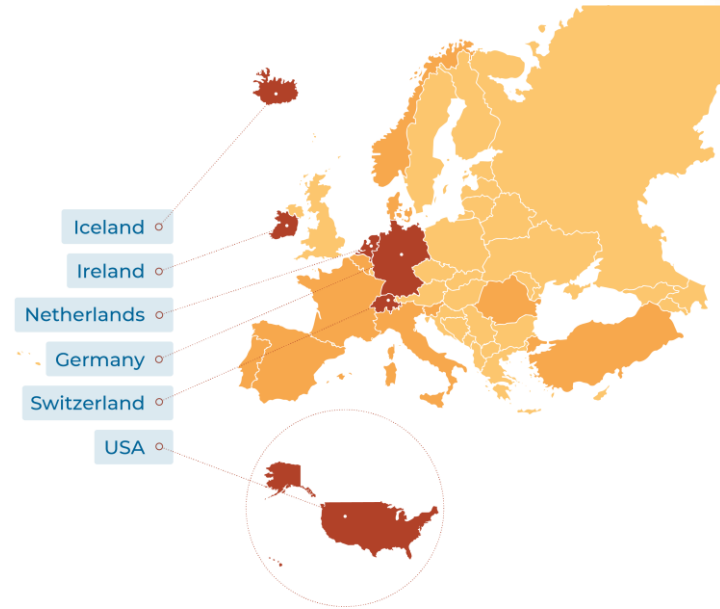
**3 Rounds** of funding

- 1<sup>st</sup>: 4 countries
- 2<sup>nd</sup>: 8 countries
- 3<sup>rd</sup>: 12 countries (w. JPP Smart Energy Systems)



# Looking Forward

- Countries that have confirmed their interest to participate
- Iceland, Orkustofnun will lead the initiative with assistance of co-chairs:
  - PtJ, Germany
  - RVO, Netherlands
  - DOE, United States



# Mission

GEOTHERMICA is a successful platform through which public sector representatives collaborate, pool national efforts to accelerate the deployment of geothermal energy, and ensure it plays an integral role in the global energy transition.

# Vision

Foster mutual inspiration and activities that strengthen the geothermal energy sector and realise progress beyond individual country efforts.

# Role

GEOTHERMICA plays a unique role in the geothermal sector by fostering broad, inclusive collaboration while facilitating coordinated public research and innovation programs to accelerate geothermal energy deployment.

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## Extensive collaboration with networks

Launching joint competitive research projects with various stakeholders, prioritising not only European collaborations.



## Specific target

Challenge-driven and higher-level approach strategic partnerships cannot deliver the geothermal interaction needed to realise its full potential. Therefore, it requires continued focused support that is more specific and targeted.

## Funding instrument

Uniting all pillars at the European level and aiming at accelerating innovative geothermal solutions.



# Knowledge, Strategy & Support

Innovation and Collaboration for and with the community:

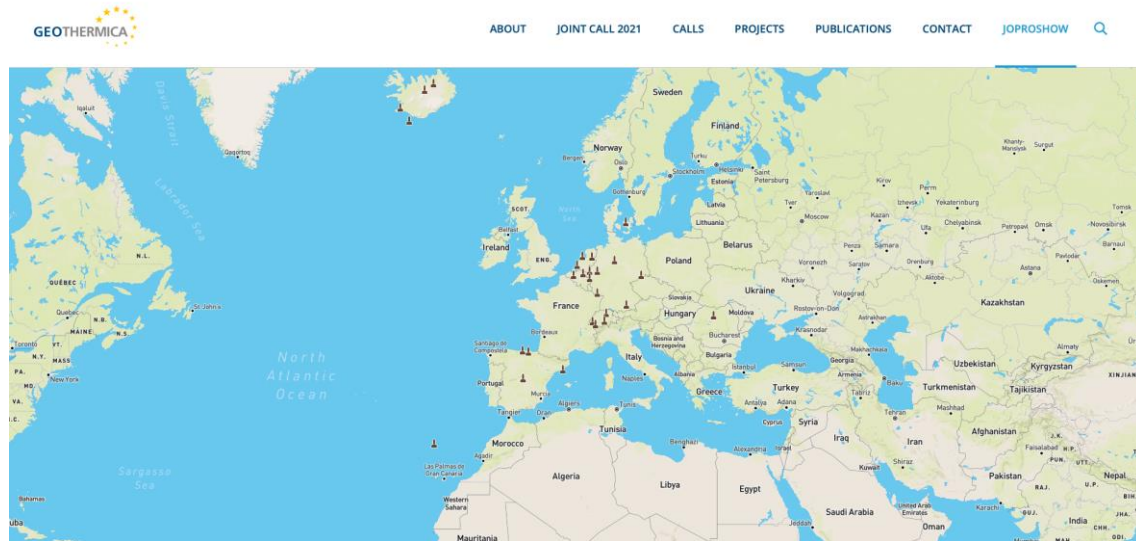
- Dedicated workshops
  - New Concepts
  - OpERA & OpERA II - OPERATIONAL ISSUES OF GEOTHERMAL INSTALLATIONS
  - New ways of leveraging financing
- GEOTHERMICA Strategic Round Table - Leiden
- Cooperation with other energy transition related networks



# Knowledge, Strategy & Support

## Activities focused on the Member States

- Working groups on specific topics
  - Geothermal Guarantee Fund
  - GeoCities
  - GeoFood
  
- Analysis of the national barriers, opportunities and RD&D needs for geothermal energy



# Upcoming Initiatives

- Underground Thermal Storage
  - Underground Thermal Energy Storage
  - Follow up from the workshop in Hoorn
  - Event in Offenburgh Feb 2024 in the planning
- EGS and „next level“ geothermal
  - EGS in different countries
  - Superhot geothermal
  - Common challenges



# Thank you

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