

GEOTHERMICA INITIATIVE



IEA Geothermal

GEOTHERMAL IWG

Paul Ramsak, Co-Chair GEOTHERMICA Initiative

Netherlands Enterprise Agency / RVO

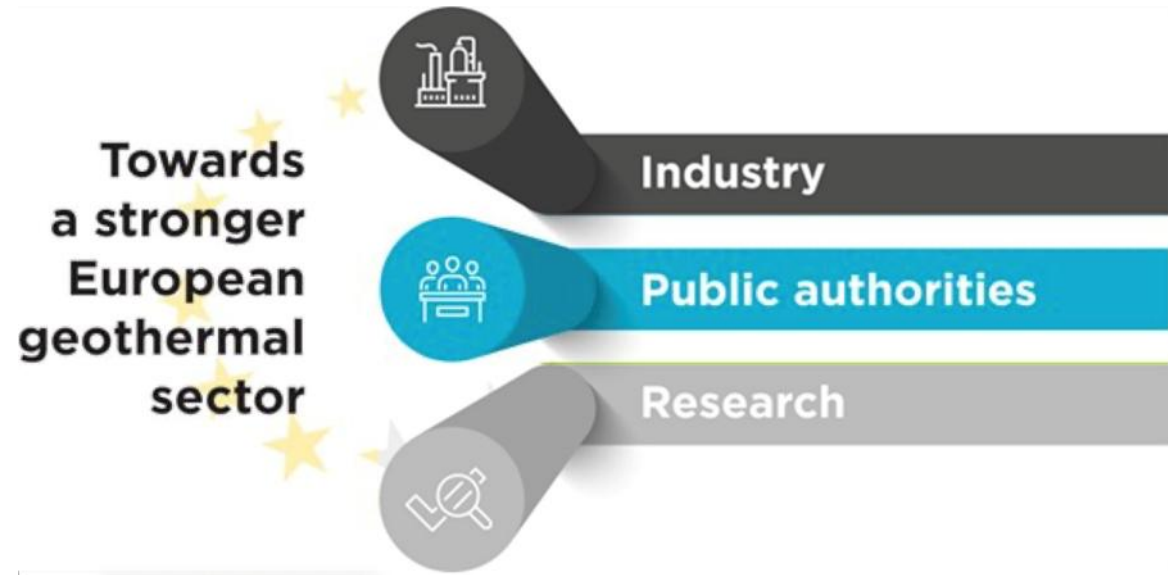
UTES Symposium

Zurich, Switzerland

6 October 2025

About Us

- **Unique collaboration** of public authorities from multiple member states
- Dedicated **focus on geothermal energy**
- 10+ years of strong cooperation
- **30 innovation projects granted**, spanning 16 countries
- Joint strategic actions to share knowledge and accelerate geothermal deployment nationally & transnationally



Cooperation of public authorities

Our Role

Mission: Uniting efforts towards a sustainable world with geothermal energy

Vision: Public collaboration for stronger geothermal energy progress in a net-zero world

...Accelerating Geothermal
& Geothermal Storage

GEOthermica Calls

2017-2019-2021

30 projects funded in total

Total project cost: 121M€

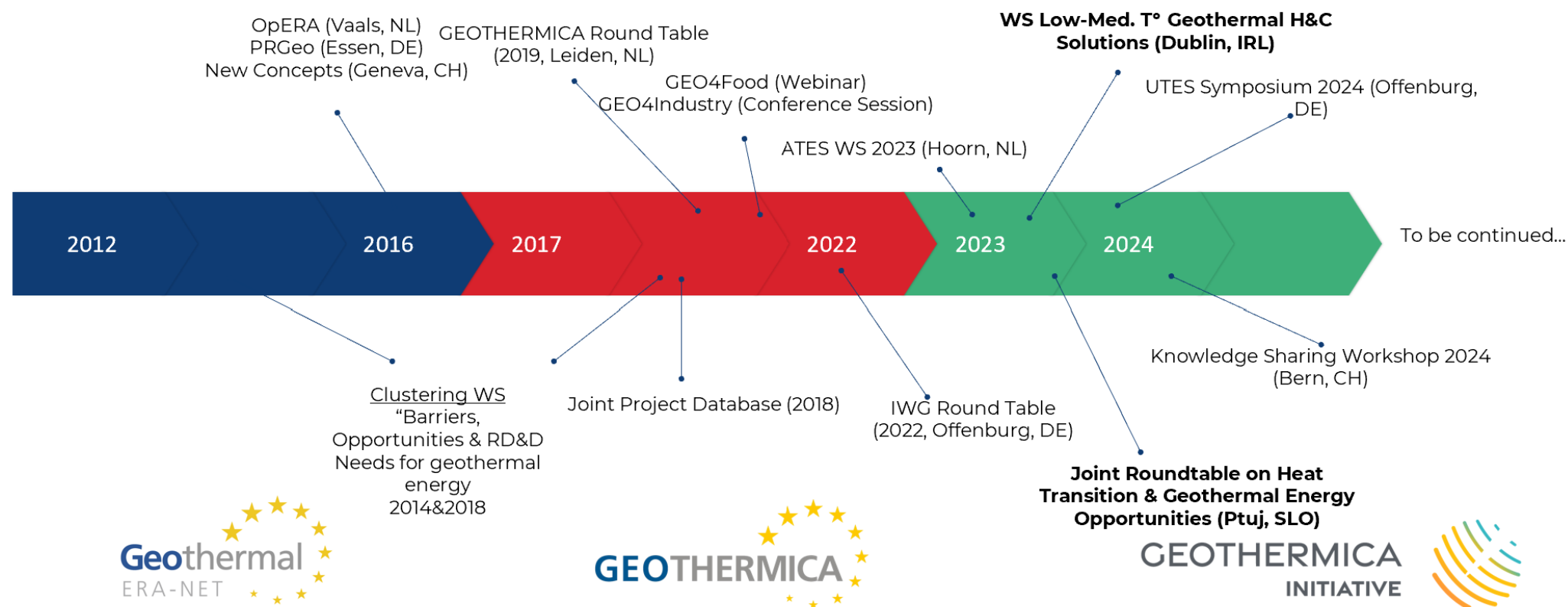
Total funding: 75M€

3 Rounds of funding

- 1st: 11 countries
- 2nd: 7 countries
- 3rd: 12 countries (w. JPP Smart Energy Systems)



GEOHERMICA Joint Activities



GEOTHERMICA Joint Activities

1. Activities focused on GEOTHERMICA member states

- Exchange on policy instruments and best practices
- Open exchange between peers – Build Trust !
- Joint strategy/vision

2. Activities for the community

- Knowledge Exchange & Strategic Agenda Setting Events to advance Geothermal Innovation & Deployment

Focus Areas

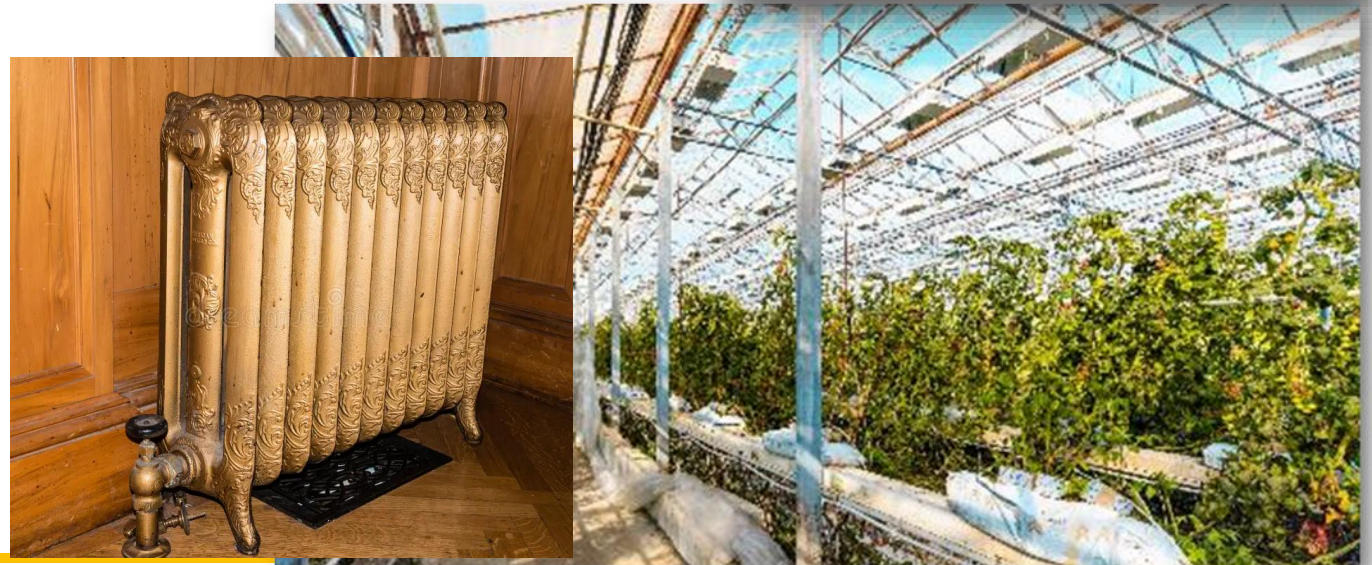
- Risk Mitigation & Policy Instruments
- Storage
- Cities & Regions
- Superhot & EGS

Based on members wishes and needs!



Heating & Cooling

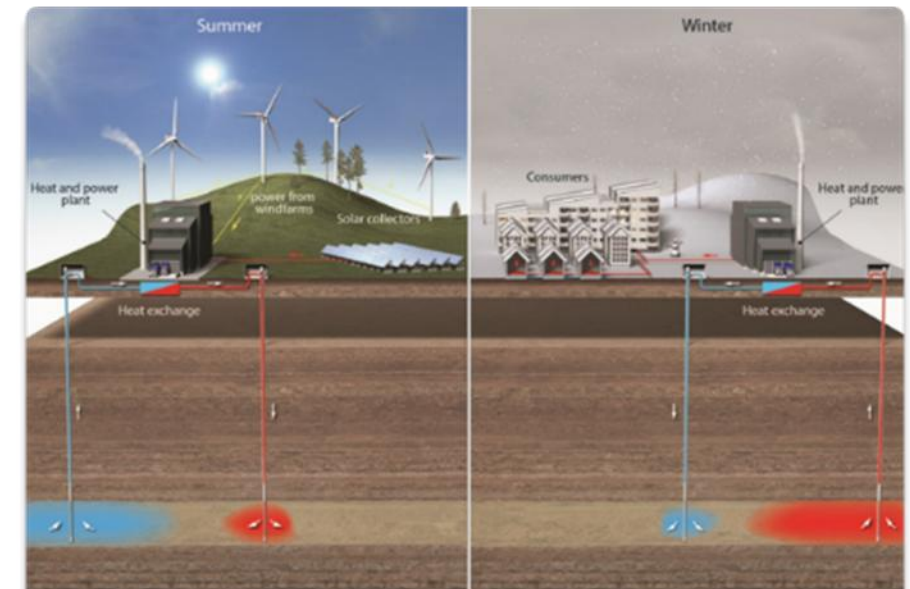
- **Vision for 2050:**
Geothermal heat supplies more than:
 - 25% of Europe's demand for space heating & cooling;
 - 25% in the agricultural sector (greenhouses);
 - 5% in industrial sectors
- **Local dispatchable source**
main use of geothermal in West & Central Europe
- **25% of European cities** are located in regions suitable for direct use



UTES

Underground Thermal Energy Storage

- **Vision for 2050:**
UTES supplies more than 10% of Europe's demand for space heating mainly for district heating
- **50% of the European energy demand** is for heating
- **Bridging the winter peak** is essential
- **Scale of subsurface** needed



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