



# Hjalti Páll Ingólfsson GEOTHERMICA Project Office

The project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 731117







# Geothermal Research Cluster

[www.georg.cluster.is](http://www.georg.cluster.is)



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Build bridges between  
partners and disciplines

Support for  
Geothermal  
Research Projects

Service to Cluster  
Participants



Grant Application  
Support for Cluster  
Participants

Promotion  
and Dissemination



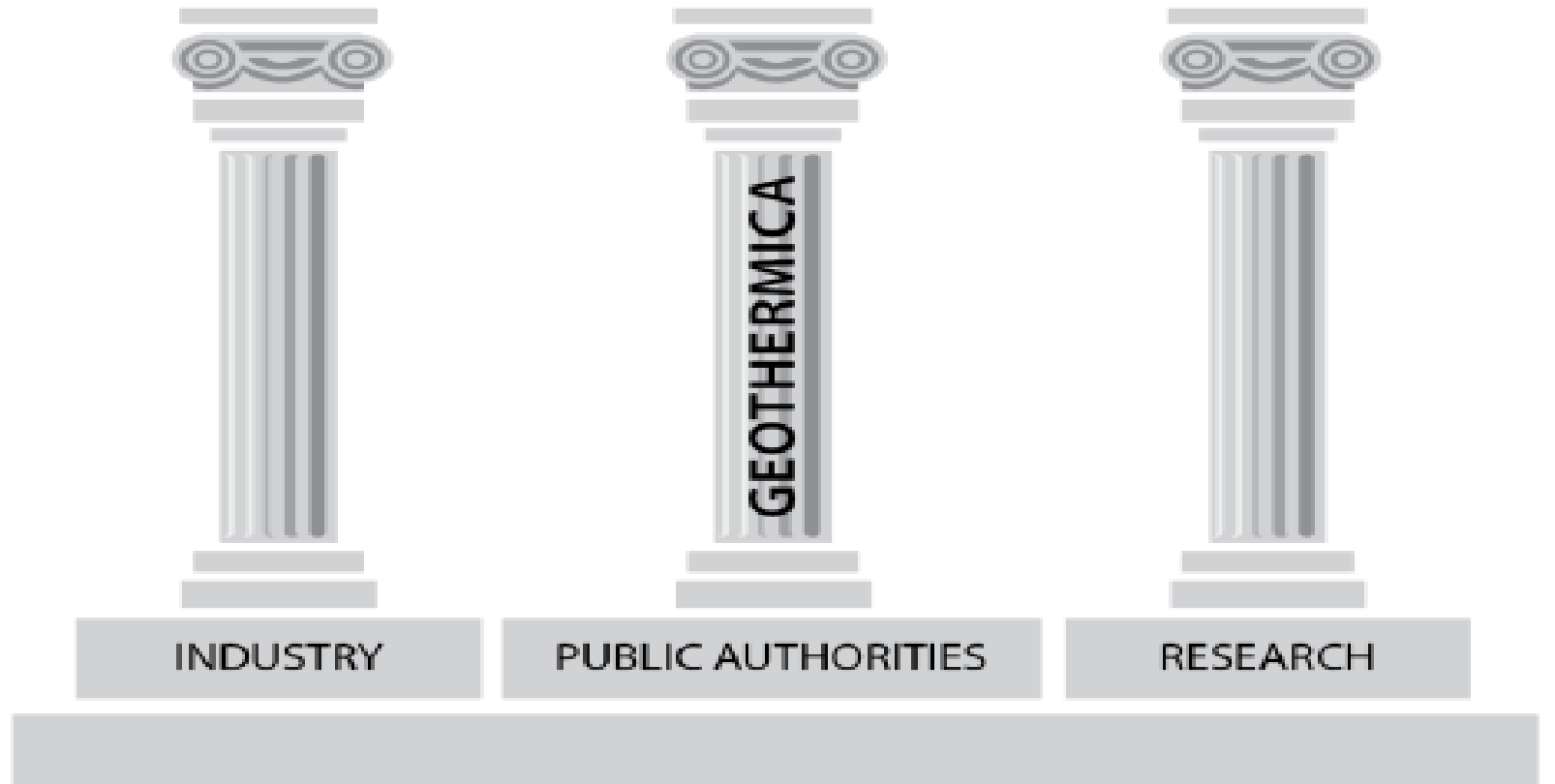
Search for and stimulate  
opportunities for our partners

***"For the benefit of all"***





## TOWARDS A STRONGER EUROPEAN GEOTHERMAL SECTOR

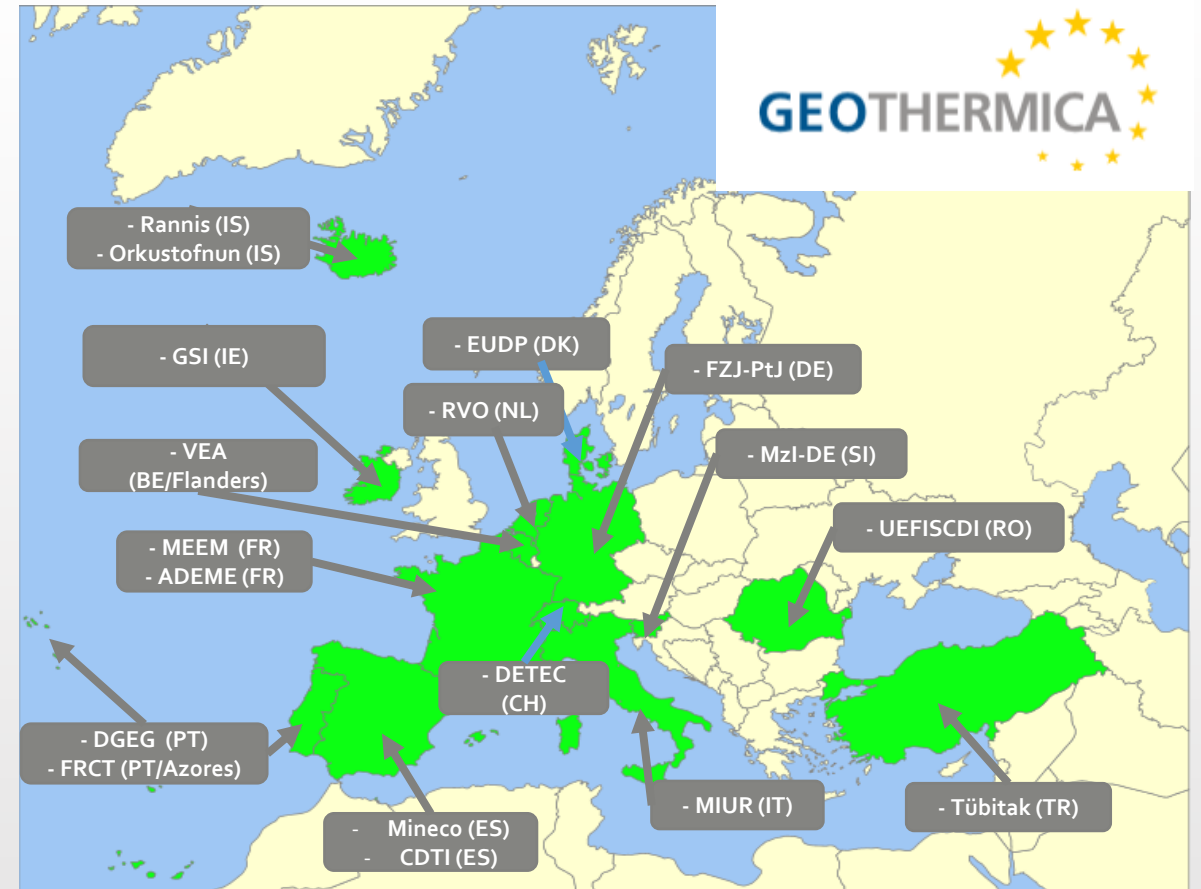


# GEOHERMICA – state of play:

**Coordinator:** Iceland (IS)

**Countries/regions participating:** BE, CH, DE, DK, ES, FR, IE, IS, IT, NL, PT, RO, SI, TR  
18 funding organizations from 14 countries

**EC currently supports GEOHERMICA as an ERA-NET Co-fund: 2017–2021**



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# What is GEOTHERMICA?

GEOTHERMICA's objective is to combine the financial resources and know-how of 18 geothermal energy research and innovation programme owners and managers from 14 countries and their regions.

GEOTHERMICA has launched joint projects that demonstrate and validate novel concepts of geothermal energy deployment within the energy system, and that identify paths to commercial large-scale implementation.





# What will GEOTHERMICA do?

1) GEOTHERMICA has launched joint projects that demonstrate and validate novel concepts of geothermal energy deployment within the energy system, and that identify paths to commercial large-scale implementation.

2) Continue the joint collaboration work from previous Geothermal ERA NET project and other additional activities

Joint Actions (OpERA, JoProShow etc...)

Information exchange  
Work workshops  
Policy work...



# Cofund call results

- Heat storage,
- Managing induced seismicity,
- EGS drilling and completion,
- Production operations,
- Composite casing
- Integrated applications of geothermal heat.

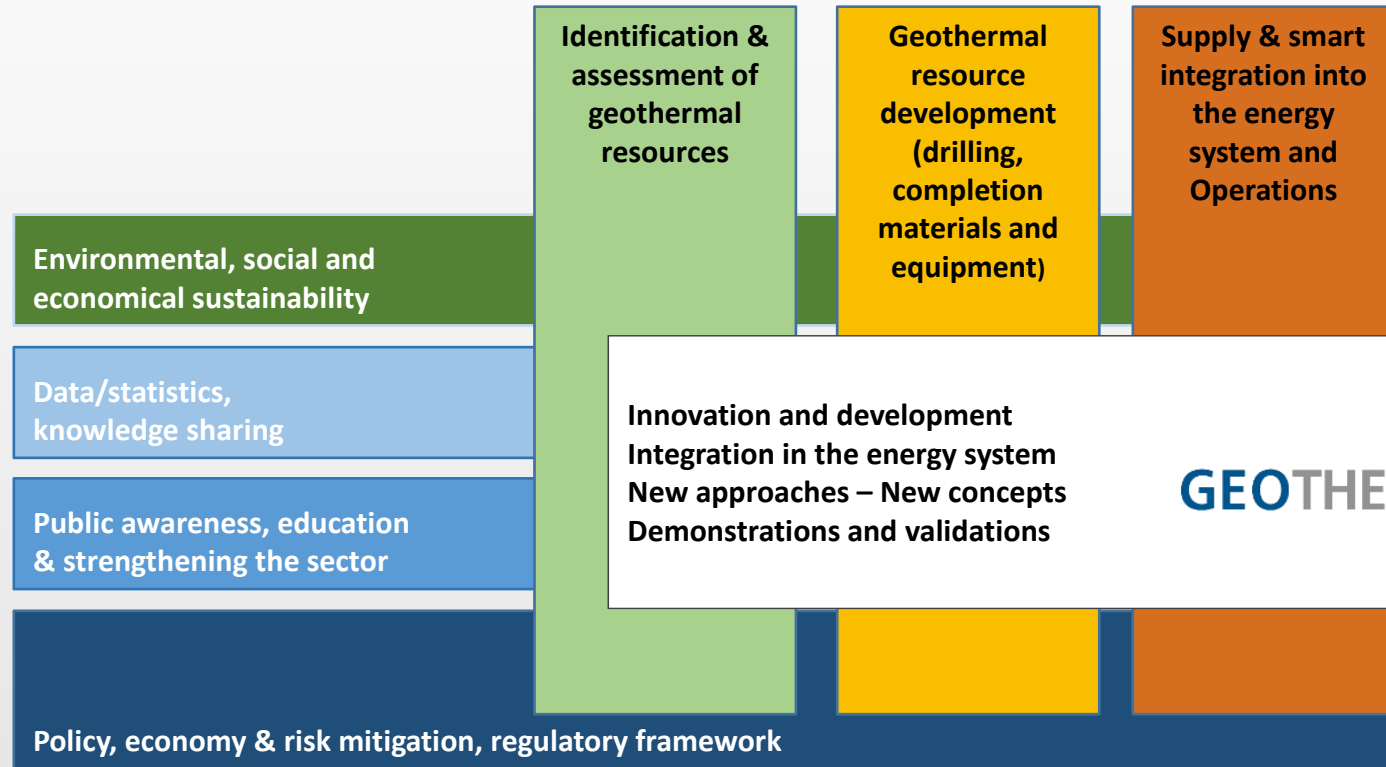
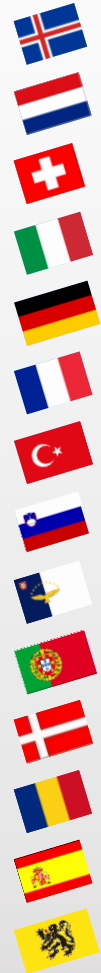


## Financing:

	Geothermica Financing	Total Cost
CAGE	5.834.888 €	13.457.698 €
COSEISMIQ	1.148.958 €	2.479.458 €
GeoConnect	889.891 €	1.196.126 €
GEOFOOD	1.249.204 €	1.749.656 €
GEO-URBAN	539.275 €	737.233 €
HEATSTORE	8.305.268 €	16.265.971 €
PERFORM	2.236.825 €	3.011.717 €
ZoDrEx	2.860.282 €	4.890.706 €
<b>Total</b>	<b>23.064.591 €</b>	<b>43.788.565 €</b>



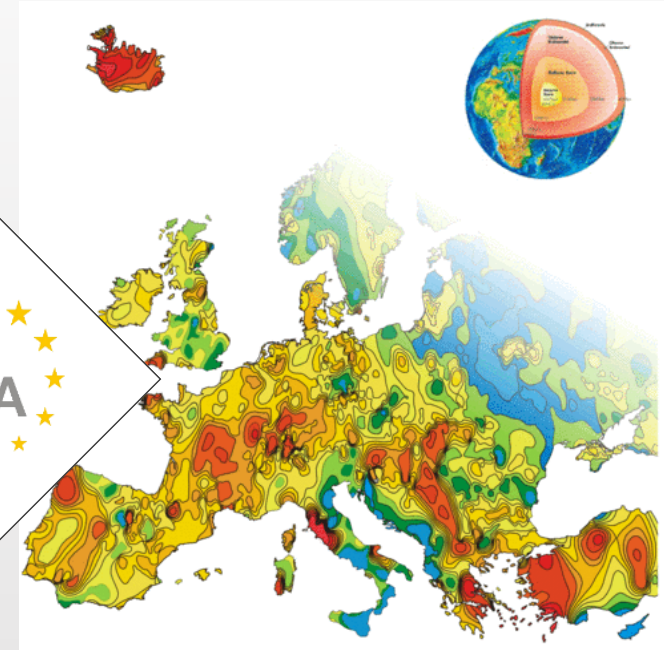
# Thematic structure GEOTHERMICA – ERA NET Cofund



National commitment  
~16M€

EC "top up"  
~7M€

Estimated industry commitment  
~20M€





# GEOTHERMICA

## **Resources required to operate GEOTHERMICA over 5 years:**

**From Partners:** 120 person months + € 1.8 mln cash/cash-equivalent; partners account for time and operational budget spent, and GEOTHERMICA re-balances internally

**In addition from EC:** a “unit cost contribution” for “additional” activities

## **Achievements:**

- **Set-up of pan-European platforms for geothermal topics of interest**
- **Coordination of R&I programming resulting in:**
- **Call 1 with a total investment: € 43.8 mln (2017-2021)**
  - Of which GEOTHERMICA (incl. EC): € 23.0 mln
  - Top 5 publ. investors: NL, EC, CH, D, IS
- **Call 2 preparation underway (2019-2023);** fully accounts for the 8 “Research and Innovation Activities” and 2 “Non-Technical Barriers and Enablers” as identified in the Deep Geothermal Implementation Plan (DG-IP)





# Welcome to GEOTHERMICA



[Call to Action](#)



[Event registration in Iceland](#)



[GEOTHERMICA Call Info](#)

Further info on...  
<http://www.geothermica.eu>





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**Reykjavik April 27 – May 1 2020**

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