

Accelerating the deployment of geothermal energy in Europe

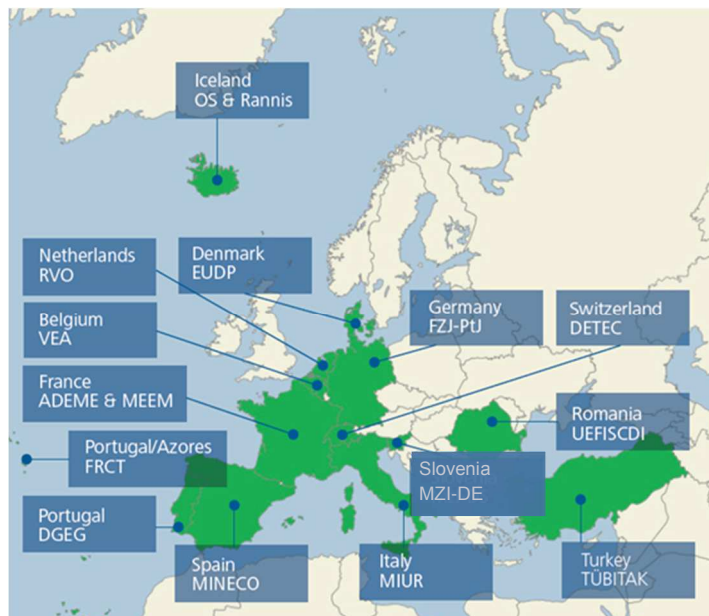
Pre- announcement of a Joint Call for Geothermal Projects

What is GEO THERMICA?

GEO THERMICA's objective is to combine the financial resources and know-how of 16 geothermal energy research and innovation programme owners and managers from 13 countries and their regions. Together with financial support from the European Commission GEO THERMICA will launch 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.

Europe aims to increase the share of renewable energy for direct heating and cooling, industrial processes, power generation and energy storage. Geothermal energy today is only utilized in choice market sectors and in few regions. It is an under-utilized widely distributed, clean, low carbon footprint and continuously available energy resource. Thus, it is uniquely positioned to substantially contribute to a safe and secure energy supply of Europe's Energy Union.

GEO THERMICA will call for innovative demonstration projects and technology development projects that accelerate geothermal energy deployment. Projects will deliver outcomes by 2021. Joint projects will have a strong industry participation. Project proposals will meet both, GEO THERMICA and national/ regional funding rules. This joint effort by EU Member States and Associated Countries will complement Europe's research and innovation community and industry sector efforts. It will reinforce the sector's contribution to the goals of the European Energy Union and the implementation of the SET Plan.

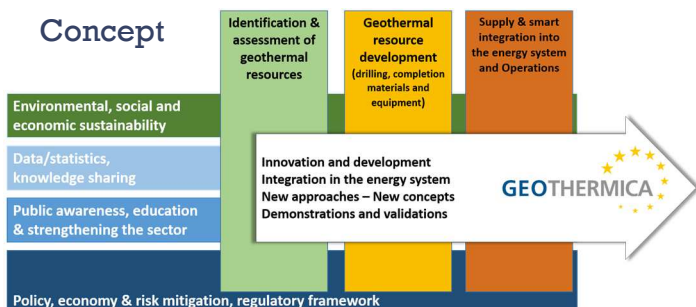


What will GEO THERMICA do?

In April 2017, GEO THERMICA will publish a joint call for projects. The budget for the call is about €32 million and the call will ask for large projects with strong industry participation that accelerate the deployment of geothermal energy in Europe. Also, a part of the budget will be available for technology development projects which can be of smaller size. The call text will reflect these options. Projects may also link up with, add on or build on ongoing pilots or demonstration projects.

Indicative GEO THERMICA Timeline

- February 15, 2017:** Preannouncement of the call.
- April 10, 2017:** Call text to be published.
- July 10, 2017:** Due date for pre-proposals (stage 1).
- September 11, 2017:** Invitation to second stage for those pre-proposals that pass stage 1.
- November 24, 2017:** Due date for full proposals (stage 2).
- March 1, 2018:** Notification.
- May 1, 2018:** Signing contracts with new projects.
- May 1, 2021:** Projects close.



Provisional thematic areas

GEO THERMICA will ask for projects typically to advance Technology Readiness Levels 5-9. It is expected that projects address the following technical thematic areas:



Projects may additionally address cross-cutting themes related to health, safety and environment, as well as social acceptance and policy- relevant aspects.

Indicative distribution of budget

The total budget of GEO THERMICA is about €32 million, of which national and regional funding organisations contribute about €24 million and the EC about € 8 million – all figures below are only indicative.

Participating country	Funding Organisation (Program Owner / Program Manager)	Approx. budget (€ mln)
Belgium	Vlaamse Gewest / Vlaams Energieagentschap / VEA	0.5
Denmark	Energistyrelsen / EUDP	1.5
France	Agence de l'Environnement et de la Maîtrise de l'Energie / ADEME	4.0
Germany	Forschungszentrum Jülich GmbH / FZJ-PTJ	4.0
Iceland	Rannsóknamiðstöð Íslands / Rannís	1.0
Italy	Ministero dell'Istruzione, dell'Università e della Ricerca / MIUR	0.5
Netherlands	Ministerie van Economische Zaken/ Rijksdienst voor Ondernemend Nederland / RVO	4.0
Portugal	Foundation for Science and Technology (FCT-PT) / Direção Geral de Energia e Geologia / DGEG	0.1
Portugal/ Azores	Fundo Regional para a Ciência e Tecnologia / FRCT	0.1
Romania	Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii / UEFISCDI	0.5
Slovenia	Ministrstvo za infrastrukturo, Direktorat za energijo / MZI-DE	0.7
Spain	Ministerio de Economía, Industria y Competitividad / MINECO	0.3
Switzerland	Federal Department for Environment, Transport, Energy and Communications DETEC (not eligible for EC top-up)	6.0
Turkey	Türkiye Bilimsel ve Teknolojik Arastırma Kurumu / TÜBİTAK	1.0
Summary		24.2

Questions? Contact your National or Regional Contact Points

Country / Region	Organisation	Name	E-mail	Phone
Belgium / Flanders	VEA	Caroline Vermeulen	caroline.vermeulen@vea.be	+32 2 553 46 26
Denmark	EUDP	Povl Frich	pfr@ens.dk	+45 2 565 0246
France	MEEM	Paul Bonnetblanc	paul.bonnetblanc@developpement-durable.gouv.fr	+33 1 40 81 85 96
Germany	FZJ-PTJ	Stephan Schreiber	k.schreiber@fz-juelich.de	+49 2461 614 743
Iceland	Rannís / GEORG	Sigurður Björnsson	Sigurdur@Rannis.is	+354 515 5800
		Hjlati Páll Ingólfsson	hpi@georg.cluster.is	+354 569 6000
Italy	MIUR	Chiara Gliozzi	chiara.gliozzi@miur.it	+39 06 5849 7288
		Aldo Covello	Aldo.covello@miur.it	+39 06 5849 6465
The Netherlands	RVO	Paul Ramsak	paul.ramsak@rvo.nl	+31 88 602 2275
		Gerdi Breembroek	gerdi.breembroek@rvo.nl	+31 6 5256 4480
Portugal	DGEG	Isabel Cabrita	deir@dgeg.pt	+351 911 909 257
		Paulo Partidario	paulo.partidario@dgeg.pt	+351 963 002 336
Portugal / Azores	FRCT	Fábio AL. Vieira	fabio.al.vieira@azores.gov.pt	+351 969709668
Romania	UEFISCDI	Cristina Cotet	cristina.cotet@uefiscdi.ro	+40 21 302 3876
Slovenia	MZI-DE	Martina Štrubelj	Martina.Strubelj@gov.si	+386 1 478 8503
Spain	MINECO	Severino Falcon Morales	severino.falcon@mineco.es	+34 91 603 7953
Switzerland	DETEC	Gunter Siddiqi	gunter.siddiqi@bfe.admin.ch	+41 58 462 5324
Turkey	Tübitak	Kaan Karaöz	kaan.karaoz@tubitak.gov.tr	+90 312 298 1816

Requirements for proposals

Project proposals have to be from European consortia with several partners from several of the participating countries. Details will be available when the call text is published. Participants have to meet the specifications of the GEO THERMICA call in addition to the funding rules and regulations of their home countries or regions.

GEO THERMICA Office- Orkustofnun
Grensásvegur 9, 108 Reykjavík, Iceland

STAY INFORMED Information will be available online at GEO THERMICA website that will be up and running in February 2017
www.geothermica.eu