

## CA18219 Geothermal-DHC

*Research network for including geothermal technologies into decarbonized heating and cooling grids*



28 JANUARY 2020

## WHO WE ARE

**Geothermal-DHC** aims to address technological and non-technological barriers to promote the market uptake of geothermal energy for heating and cooling in its full spectrum.

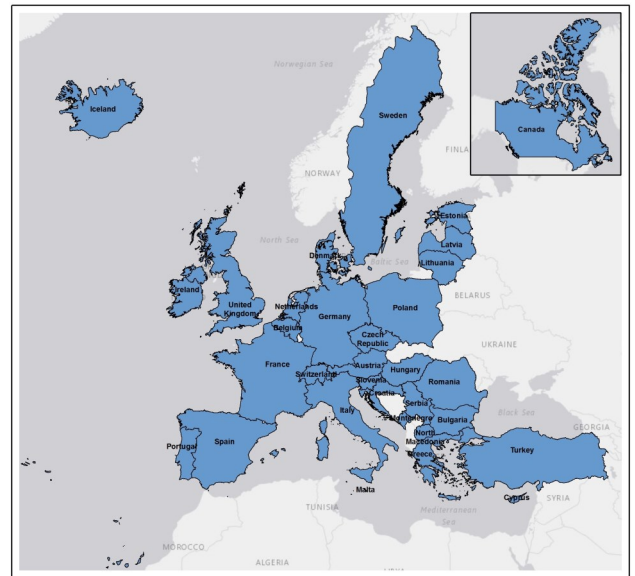
Our ambition is to identify, evaluate and introduce solutions based on geothermal applications to **increase the share of Renewable Energy Sources (RES) of up to 30% in 2030 and 50% in 2050 in heating and cooling grids across Europe.**

**Geothermal-DHC** has access to at least 24 different sites in 9 European countries and plans to increase the number of sites to more than 35 during the expansion phase. Participants from international countries are welcome.

The Action started in November

2019 and will continue until October 2023. At the moment, it is supported by 70 experts in various fields of geothermal energy use and is covering 30 European countries

**Geothermal-DHC** is currently covering 31 European countries and Canada covering more than 20 different geothermal case studies.



CA18219 Territorial coverage

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- Get involved
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- ITC Conference Grants
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- COV11

## STRUCTURE

**Geothermal-DHC** is divided into four (4) Permanent Working Groups (PWG):

- PWG1 Technology
- PWG2 Outreach and Communication
- PWG3 Promoting Young Careers
- PWG4 Capitalisation and Uptake

## HOW PEOPLE CAN BE INVOLVED

**Geothermal-DHC** offers various networking opportunities in terms of meetings, workshops, training schools and young researchers conferences. Enter our network and participate on the knowledge exchange, joint follow-up activities or joint scientific publications.

There are different levels of participation in **Geothermal-DHC**:

- Being a follower (receive periodic information on the progress and recent outcomes of the Action),
- Participate in one of our Working Groups
- Join the Management Committee of Geothermal-DHC on behalf of your country (limited to the availability of free slots)

**To participate, you need to register with the Yellow Pages:**

<https://form.jotformeu.com/93282368524362>

## PROMOTING YOUNG CAREERS

### Short Term Scientific Mission (STSM)

The STSMs support individual mobility and foster collaboration among individuals from various organizations and countries. STSM should be aligned and contribute to scientific objectives of the COST action CA18219 Geothermal-DHC.

The 1<sup>st</sup> Call for applications will soon be announced with a complete Guide for Applicants.

For additional information, please contact Dr. Nina Rman [nina.rman@geo-zs.si](mailto:nina.rman@geo-zs.si)

### ITC Conference Grants

ITC (Inclusiveness Target Country) Conference Grants are aimed at supporting PhD students and Early Career Investigators (ECI) from ITC to attend international conferences on the topic of '**Geothermal Energy for Heating and Cooling**' that are not organised by this COST Action CA18219.

Early Career Investigator (ECI) is defined as an individual who is within a time span of up to 8 years from the date they obtained their PhD.

The call is now open and the deadline is **February 29<sup>th</sup>, 2020**. For more information please contact Dr Rao Martand Singh [r.singh@surrey.ac.uk](mailto:r.singh@surrey.ac.uk)



CA18219 Geothermal-DHC kick-off meeting, Brussels, October 2019

## UPCOMING ACTIVITIES AND EVENTS

### First Geothermal-DHC partner meetings and workshops, Munich, Germany February 18 to 20, 2020

The Geothermal-DHC team will meet for the first time to get our Action started. The first day is reserved for management meetings to plan our upcoming activities for 2020. On February 19, we will start with plenary sessions hosting key note speeches on the current role of shallow- and deep geothermal energy in Europe in the context of heating and cooling grids. We will also put a special focus on geothermal energy solutions in the Munich area and Germany. Finally, we invited speakers from the district heating and industrial sector to talk about their requirements for geothermal energy. During the afternoon session there will be group workshops to start the activities of our 4 Permanent Working Groups. The last day will cover a field trip on actual developments on deep and shallow geothermal energy in Munich. For more information see our [invitation letter](#).

For registering please contact [CA18219@geologie.ac.at](mailto:CA18219@geologie.ac.at). Please note that due to limitations of budgets we can only fund a limited number of participants.

### Workshop on mapping shallow geothermal resources, Geotherm 2020, Offenburg, Germany, March 4, 2020

The use of shallow geothermal by means of closed loop vertical- or horizontal heat exchangers or hydrothermal heat pumps is affected by small scale constraints at non-steady state conditions in the uppermost tens to hundreds of metres of the subsurface. Web based information tools are important instruments to transfer key information on resources and limitations of use to investors, planners and regulators. Moreover, shallow geothermal is more and more considered in spatial energy plans.

Since 2017, international projects dealing with shallow geothermal use like GeoPLASMA-CE, GRE-TA, Geocond and GEO4CIVHIC got funded. The first announcement of the workshop and call for contributions can be found [here](#).

For further information please contact [gregor.goetzl@geologie.ac.at](mailto:gregor.goetzl@geologie.ac.at).

### Workshop "Possibilities and limitations of geothermal energy use for heating and production of electricity at volcanic islands", Heraklion, Crete - Greece, May 28

The workshop, organized by **Geothermal-DHC** is linked to the [Cities on Volcanoes 11 conference](#) and addresses the inclusion of geothermal energy in small volcanic islands used for tourism in Europe and abroad. We are looking for contributions (short presentations or posters) on your good practice example or your research activities for the use of geothermal energy on volcanic islands.

For further information and the registration process, please contact [gemeni@certh.gr](mailto:gemeni@certh.gr)

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