

Webinar

“Shallow Geothermal Energy Research in a Global Context”

Invitation

Date and location of the workshop: 13th of January 2021, 15:00 am – 18:30 pm (CET, Vienna – Berlin- Paris), digital event

Registration to the webinar <https://form.jotform.com/203554921624151>

About the workshop

According to the latest market numbers published by International Geothermal Association (IGA) ground source heat pumps represent the most common way to use geothermal energy covering more of 2/3 of installed capacities. This workshop, organized by the COST Action CA18219 Geothermal-DHC, aims at providing an overview on actual research topics and emerging concepts to integrate shallow geothermal in heating and cooling supply to support the exchange of research ideas across the globe.

Detailed program

14:45	<i>Opening of the web room, digital coffee</i>
15:00	Gregor Goetzl (GBA, Austria), chair CA18219: Opening of the webinar and introduction talk <i>“The shallow geothermal market in a global context – understanding driving factors and future assets”</i>
15:15	Felix-Antoine Comeau (INRS, Canada): <i>“Shallow geothermal energy research in Quebec (Canada)”</i>
15:40	Carlos Mauricio Luna Filizzola (Universidad de los Andes, Colombia): <i>“Regulatory challenges and opportunities for the deployment of shallow geothermal energy use in Colombia”</i>
16:05	Alejandro Garcia Gil (IGME, Spain): <i>“Shallow geothermal energy use in the Canary Islands”</i>
16:30	<i>10 minutes coffee break</i>
16:40	Joao Figueira (IST, Portugal): <i>“Sustainability of shallow geothermal energy use and its governance”</i>
17:05	Marco Barla (POLITO, Italy): <i>“Coupling underground works (i.e. metro tunnels) with geothermal energy use”</i>
17:30	Soren Poulsen (VIA, Denmark): <i>“5G DHC micro grids in Denmark supported by shallow geothermal energy use”.</i>
17:55	Stijn Beernink (TU Delft, Netherlands): <i>“Monitoring of the Aquifer Thermal Energy Storage system at Koppert-Cress”</i>
18:20	Closing remarks
18:30	<i>End of the workshop</i>

About Geothermal-DHC

The COST Action CA18219 Geothermal-DHC addresses the inclusion of geothermal energy in decarbonized heating and cooling grids across Europe. The network follows a technologically bottom-up approach involving the whole spectrum of geothermal and envisaging the whole process chain from planning to operation and monitoring. Our network addresses both, refitted existing heating and cooling networks as well as new grids. Geothermal may act as a heating source, sink or storage and may be combined with other renewables or waste heat in multivalent heating and cooling grids. Geothermal-DHC aims to demonstrate that geothermal energy has the potential to significantly **enhance the share of renewable energy sources in heating and cooling grids to 30% in 2030 and 50% in 2050** in Europe.

Geothermal-DHC connects researchers from various disciplines (e.g. geosciences, energy conversion and social science) with stakeholders (e.g. energy suppliers, municipalities and energy planners), who are interested to lower the CO₂ footprint of heating and cooling in their region. Currently, the network is covering participants from more than 30 European countries as well as observers from outside of Europe.

For more information on Geothermal-DHC please visit www.geothermal-dhc.eu.