



CALL FOR ABSTRACT – Division Energy Resources & Environment

Session ERE 2.5: Shallow geothermal systems for heating and cooling: geoscience and engineering approaches

The session welcomes contributions about shallow geothermal energy applications, including traditional closed- and open-loop borehole heat exchangers as well as so-called energy geostructures (e.g. thermo-active foundations, walls, tunnels).

Different types of analysis and approaches are relevant to this session, spanning from the evaluation of ground thermal properties to the mapping of shallow geothermal potential, from energy storage and district heating to sustainability issues and consequences of the geothermal energy use, from the design of new heat exchangers and installation techniques to the energy and thermo-(hydro-) mechanical performance of energy geostructures, from the local behavior of a heat exchanger to the city scale implementation of energy geostructures. Contributions based on experimental, analytical and numerical modelling are welcome as well as interventions about legislative aspect.

CONVEENERS: *Giorgia Dalla Santa (University of Padua, Italy), Jean De Sauvage (IFSTTAR Université Gustave Eiffel, France) and Francesco Cecinato (University of Milan, Italy)*

Due to the continuing difficulties that many people in the EGU community, all around the world, are experiencing, the abstract submission deadline for EGU22 is being extended to

FRIDAY, 14 JANUARY AT 13.00 CET

https://egu22.eu/abstracts_and_programme/how_to_submit_an_abstract.html

At present EGU22 is still intended to be a hybrid meeting with an in-person element, however we are monitoring the development of the COVID-19 situation closely and are prepared with alternative scenarios to use if necessary. The safety and comfort of all attendees is our highest priority and we are working closely with the Austrian authorities and our own hygiene plan to ensure that safety is ensured. Registrations will open mid-January.