

Interdisciplinary workshop series

“Bringing Geothermal Energy closer to the people”

Vienna, Geological Survey of Austria

October 6, 2022

COST Action-18204 and COST-Action 18219 were delighted to join forces at the seminar “Bringing Geothermal Energy closer to the people” at Geological Survey of Austria, Vienna.

October 6, 2022.

The workshop served as a knowledge sharing experience aimed at feeding the discussion around the following main topics:

Social interaction linked to the establishment and management of geothermal DHC networks

- communication, information and training, to raise awareness among decision makers and social actors
- public and stakeholders engagement, acceptance and/or adoption
- governance for DH systems supplied by geothermal energy use (individual, public, community),

Social impact of Geothermal DHC networks

- energy poverty mitigation,
- place (-making) and urban transition,
- environmental and social sustainability,
- unwanted rebound effects.

### **Agenda**

Wednesday, 5 October (pre-meeting program)

17:00 – Visit of a low temperature heating and cooling network in Vienna (optional)

19:30 Shared cost dinner at Wien / Prater

Thursday, 6 October (workshop)

8:30 Registering and coffee

Morning session (introduction talks, each 20 to 30 minutes including Q&A)

9:00 Start of the workshop, welcome address and tour de table (Alessandro Sciallo, Gregor Goetzl)

9.30 – 10.30 Session 1 - Implementing DHC

9:30 Public engagement and acceptance EERA / ETIP (Adele Manzella (Italy, CNR) and Virgin Hamm (France, BRGM))

9:50 The relevance of communicating: raising awareness and knowledge among the social actors (Maja Turnšek)

10:10 Managing the DHC system: centralized vs community based approach (TBD)

10:30 – Coffee break

11.00 – 12.00 Session 2 - Expected impact

11:00 How to address energy poverty (Meltem Ucal, Kadir Has University, Istanbul)

11:15 Tools for engaging and facilitating the access to geothermal energy for communities – outcomes of the EU project Crowdthermal (Isabel Fernandez, European Federation of Geologists, Brussels)

11:30 Placemaking and energy transition in the built environment with special attention paid to urban heritage centers – perspectives from the EU COST Action CA18204 (Zsuzsanna Varga / University of Glasgow, Alexandra Delgado / Universidad Nebrija & Gulce Kirdar/Istanbul)

11.45 Renewables and the energy use increase: the rebound effect

12:00 Scoping the afternoon workshops: flip charts / Miro Board to collect main key words from the audience and cluster the topics into three groups

12:30 Lunch break

Afternoon session (interactive workshop)

13:30 Opening of the workshop and introduction (UNITO)

13:45 Session 3 - World Café

3 tables (Provisional hypothesis)

- Energy poverty and rebound effect
- Communication, engagement and acceptance
- Management and integration into the urban transformation

In each of the table, the participants will be asked to go through the following discussion steps:

- Identifying the problems
- Identifying the expected changes
- Identifying the possible solution pathways

15:45 Coffee break

16:00 Session 4 – Summary and conclusions

16:00 Table “owners” report to the plenary

16.30 Open discussion about the main results

17:00 End of the workshop

FRI, 7 October (internal post workshop meetings)

9:00 - 12:00 Core team meetings

- Joint activities and collaboration in the context of the budget and work plan of CA18219 Geothermal-DHC and the H-Europe project SAPHEA (e.g. training schools, events or workshops in 2022/2023)
- Spin-off activities related to the social dimensions of using geothermal energy in heating and cooling networks (e.g., proposals or publications)
- Other cooperation aspects and general planning

