

Our mission

The EU Commission stated repeatedly that heating and cooling ('HC') plays a crucial role in the transition towards a carbon-neutral economy by 2050 (1). Heating and cooling in buildings and industry accounts for half of the EU's energy consumption, making it the biggest energy end-use sector ahead of both, transport and electricity (2). Only 23% of heating and cooling is generated from renewable energy sources ('RES') in the EU (3). Whilst the EU has set higher sectoral targets for the increase of RES-HC share by 2030 (2018/2001/EU), still growth is hindered by a lack of policy, financial incentives, and public funding for renewable heat.

District heating and cooling networks supplied by renewable energy sources has a great potential to decarbonize the HC sector, offering a clean, energy-efficient, and cost-effective alternative to individual fossil-fuel heating systems. Yet, it registers a limited penetration in several European countries, supplying on average only 8% of the total final energy demand for HC, mainly in the residential (55%) and tertiary (30%) sectors (4). Still, geothermal energy supplied heating and cooling networks cover a small niche of around 1% inside the European heating and cooling sector, which is a result of primarily non-technological market barriers. More efforts on knowledge transfer, awareness raising and consultancy are required to increase the current market niche.

Over the past decades a wide spectrum of geothermal technologies developed leading to a perfect match with the concept of heating and cooling networks – let's move forward and unleash the potential of geoHC networks.

Key outputs

Digital Market Hub >> for consultancy and fostering geothermal heating & cooling (geoHC) networks in Europe.

Early stage decision support tools >> to evaluate the techno-economic feasibility for deploying geoHC networks in your region.

Digital instruments >> to develop strategic roadmaps for deploying geoHC network in your region.

Targeted events, webinars and trainings >> to bring geoHC networks closer to decision makers.

B2B network of competence and interest >> to improve energy policies and foster knowledge transfer.

Access to information on technological options>> to develop the most suitable geoHC network in your region.

Access to expert knowledge >> on key market drivers, business models and financing instruments to make your geoHC network viable.