

GeoModel project partial results presented at EAGE Global Energy Transition Conference & Exhibition (GET 2024) in Rotterdam

The 5th EAGE Global Energy Transition Conference & Exhibition of the European Association of Geoscientists and Engineers (EAGE) took place from 4 to 8 November 2024 at the WTC Center in Rotterdam.



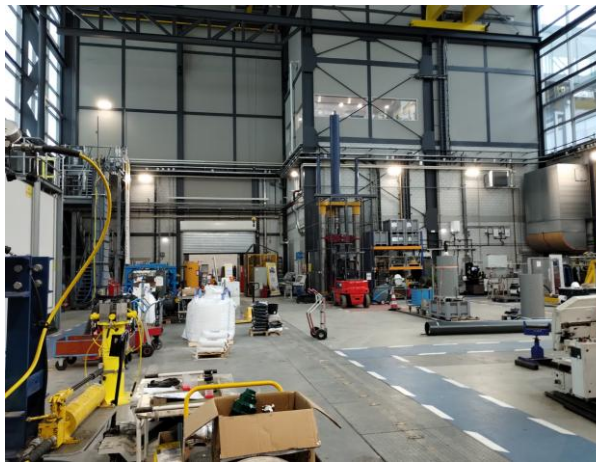
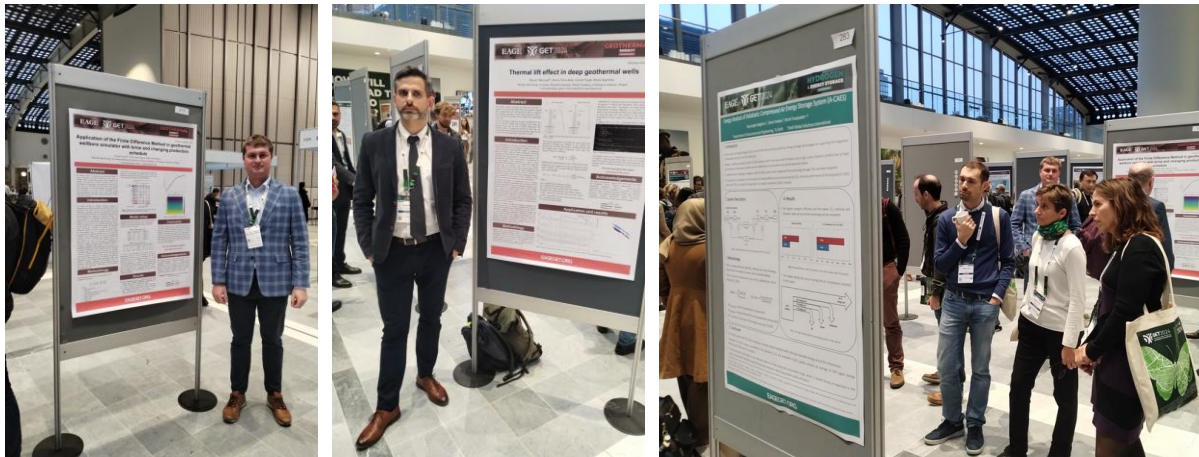
The GET 2024 conference was a major event organized annually by the EAGE. In total, 267 extended abstracts from the conference were published in the EarthDoc database (<https://www.earthdoc.org/>) from 4 thematic areas: geothermal, hydrogen, CCS and offshore wind farms. The conference was attended by, in addition to the speakers themselves, numerous representatives of the exploration and energy industry with their stands, as well as representatives of local authorities.

On November 5, 2024, a poster session was held, in which the following results of the work carried out in the project were presented:

- Maciej Miecznik - "Thermal lift effect in deep geothermal wells",
- Karol Pierzchała - „Application of the Finite Difference Method in geothermal wellbore simulator with brine and changing production schedule”.

The posters attracted a lot of interest, which makes us think that the project will have a larger group of interest, especially considering that, according to official information provided by the organizer, the conference was attended by nearly 1,500 people from 65 countries.

On the last day, November 8, 2024, a field trip was organized to the "Energy Cave" in Rijswijk, where the center for the promotion and development of geothermal technologies and heat storage is located. Participants of the GeoModel project from MEERI PAS had the opportunity to see the laboratory where various drilling techniques are tested and a wide range of laboratory measurements of rock samples are made. In the second part of the trip, participants visited numerous laboratories of the Department of Geosciences and Engineering at TU Delft and learned about the current progress of the geothermal investment on campus, including one of the world's few high-temperature heat storages in aquifers (HT-ATES technology).



The conference allowed to get to know the topics that scientists from all over the world are currently working on, as well as to observe trends in these fields. In addition to valuable experiences and ideas, the conference allowed us to establish contacts for scientific cooperation in the future.

Author of photos: Maciej Miecznik (MEERI PAS)