



Geothermal Energy

In view of the energy sector’s need to reduce its carbon footprint, low-carbon and renewable elements must become an integral part of the industry. Analogously to petroleum, it is CCS and geothermal energy which all rely on the understanding of fluid behaviour in the subsurface.

This course will be run as an exercise-based one-day training event focusing on a hydrothermal reservoir system that is based on a development setting in the Drava basin, Central Europe.

Participants (of mixed backgrounds) will approach the exercises in groups to determine a notional geothermal field development plan including well spacing, heat flow rates, resource estimation and the influence of natural fractures on the system.

The hands-on evaluation employs paper-based exercises explore the impacts of the geology and reservoir flow processes on the geothermal resource in closed loop and open reinjection developments.

At the end of the training, participants will appreciate the array of risks and uncertainties that impact the assessed project.

Required skill levels will range from basic understanding to intermediate knowledge, and this will be reflected in the makeup of the teams.

Duration

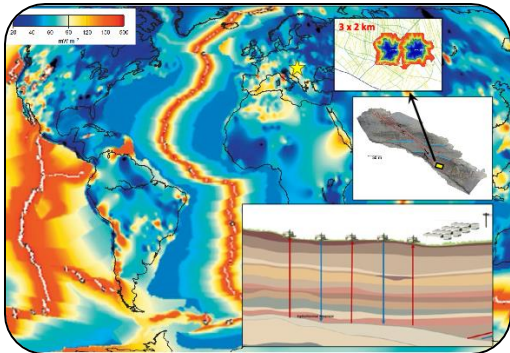
Full day 1 day

Learning Level

Skills ○○○
Knowledge ●●○
Awareness ●●●

Designed for:

Participants from mixed technical and business backgrounds.



Course Tutors



Ed Stephens PhD
Ed has experience in petroleum development, reservoir simulation and evaluation and is sought after for his innovative and creative approach. He is a professional with excellent communication skills offering pragmatic solutions and opportunities to balance technical and business oriented goals. Ed has worked on many large complex fields for example with complex geology, 400 wells and over 30 years production history.