EAGE

MASTERCLASS
GEOTHERMAL ENERGY

17-20 NOVEMBER 2025 | PARIS, FRANCE

A comprehensive programme of short courses taught by leading field experts. Each course is designed to dive into a different technical aspect of geothermal energy: choose one or boost your skills with an All Access Pass!

17-18 November 2025
Geothermal Energy Systems and Their Role in Energy Transition
Andrea Moscariello

19 November 2025
Reservoir Engineering of Geothermal Energy Production
Denis Voskov

20 November 2025
New Trends in Borehole Geophysics for Geothermal Exploration and Development
Sebastien Soulas

Courses are complementary and can be followed separately or as a comprehensive programme.

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DISCIPLINES: Energy Transition | Geology | Geophysics | Engineering

17-18 NOVEMBER 2025

Geothermal Energy Systems and Their Role in Energy Transition

Andrea Moscariello (University of Geneva)
CPD points: 10
Level: intermediate

Course description

This intermediate-level course on Geothermal Energy provides a comprehensive overview of the different types of geothermal energy utilization, including shallow ground-source heat pumps, direct use of geothermal heat (hydrothermal systems), high-temperature power generation, and heat storage technologies. The course covers both exploration techniques and engineering solutions required for their successful implementation.

19 NOVEMBER 2025

Reservoir Engineering of Geothermal Energy Production

Denis Voskov (TU Delft)
CPD points: 5
Level: intermediate

Course description

The main purpose of the course is to familiarize students with basic definitions, main challenges, and practical implementation of geothermal energy production. The class will include lectures and practicals.

20 NOVEMBER 2025

New Trends in Borehole Geophysics for Geothermal Exploration and Development

Sebastien Soulas (Avalon Sciences Ltd)
CPD points: 5
Level: intermediate

Course description

The course will highlight the value of borehole geophysics and practical range of applications in the context of energy transition for geothermal exploration and development where more efficient and cost-effective borehole monitoring are required. This includes reservoir characterization, imaging and active/passive monitoring for Enhanced Geothermal Systems (EGS), well design optimization and derisking. We will review advancements in sensing technology for the last three decades and a wide range of case studies where VSPs delivered value.

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