

A global snapshot of next-generation geothermal technologies

SPE Aberdeen Geothermal Seminar: Gaining Momentum

26-27th February 2025



How will next-generation geothermal unlock new opportunities?

Emerging technologies are designed to exploit vast, undeveloped geothermal resources and maximise resource value



Global snapshot: first movers gaining ground in Europe and the US



Next-generation geothermal: 2025 outlook

Two themes which will shape the industry this year

1. An appetite for growth in the US

Market leader



EGS is in development in Utah, Nevada and Oregon. Fervo Energy's Cape Station is the project to watch.

Political backing



- Cabinet support from Energy Secretary
- Accelerating permitting timelines

2. The AI arms race





Kate Adie

Research Analyst, Subsurface (New Energies)

Biography

Since joining Wood Mackenzie in 2023, Kate has become a key contributor to our global research on established and developing geoenergy technologies. She provides insight and analysis on developing geothermal markets and has supported the growth of our CCUS subsurface offering. Kate also monitors activity in the nascent natural hydrogen industry.

Prior to joining Wood Mackenzie, Kate spent two years in academic research, investigating the technical feasibility of subsurface hydrogen storage as a long duration energy storage technology.

Kate holds a BSc (Hons) in Geology and Physical Geography and an MSc in Geoenergy from the University of Edinburgh.

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