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**WHAT**

**Use of the deep subsurface in the UK: What are the implications for groundwater resources?**

**WHERE**

The Geological Society, Burlington House, London, UK

**WHEN**

11–12 July 2018

There is renewed interest in the deep (>200 m below ground level) onshore sub-surface in the UK, with increasing exploration for, and development of:

- conventional and unconventional oil and gas
- geothermal energy
- potash mining

and for storage purposes including:

- nuclear waste
- natural gas
- carbon dioxide

However, the use of the deep subsurface introduces significant technological challenges and with this an element of risk to groundwater resources, both in terms of quality and quantity.

This meeting will bring together a range of stakeholders including those responsible for policy and decision making, researchers and technologists to discuss the current state of knowledge and identify the critical gaps that need to be addressed to better understand, assess and manage the risks to groundwater

from deep sub-surface activities along with the associated uncertainties.

We welcome contributions related to:

- Characterisation
- Flow and transport
- Environmental risks and impacts
- Policy challenges
- Communication and engagement.

**Keynote speakers**

Kevin Parkes (Alberta Energy Regulator)

Irena Gaus (Nagra)

Avner Vengosh (Duke University)

**Convenors**

Tim Besien (Environment Agency)

John Bloomfield (BGS)

Ian Davey (Environment Agency)

Barnaby Harding (ESI)

Stefan Krause (University of Birmingham)

Sian Loveless (BGS)

Ulrich Ofterdinger (Queen's University, Belfast)

Mike Rivett (GroundH2O plus)

Sarah Scott (Environment Agency)

Rob Ward (BGS)

Fred Worrall (Durham University)