



The Geological Society

*serving science, profession & society*

**Geosciences and the Energy Transition: Resources on a Finite Planet.**

Meeting: Sept 6<sup>th</sup> (Afternoon) and 7<sup>th</sup> (Morning).

The Geological Society of London,

**In association with the Mineral Deposits Studies Group and the Critical Minerals Association.**

**Sponsored by Ernst and Young**



**September 6<sup>th</sup> 12pm to 4.15pm**

**Introduction** (12pm - 12.45pm)

Mike Daly, President Geological Society.

Julian Kettle, Senior VP, Wood Mackenzie. *'The Implausibility of a 2° Pathway'*

*Discussion Q/As (12.30-12.35)*

Frances Wall, (Camborne School of Mines, University of Exeter). (10mins)

*Outline of the Energy Transition Webinar Series and Meeting Objectives.*

Murray Hitzman (Irish Centre for Applied Geosciences) (12.45pm - 1.10pm)

*Resources on a finite planet: An Overview.* (20mins)

*Discussion Q/As (5mins)*

**Hydrocarbon Stewardship** 1.10pm – 2.35pm

Chair: Jo Coleman (Shell)

Iman Hill (IOGP) 1.10pm – 1.25pm

*Enablers of the energy transition: the role of oil and gas in a low carbon future.*

Paul de Leeuw (Robert Gordon University) 1.25pm – 1.40pm

*Building a better and greener world.*

*Discussion Q/As 1.40pm – 1.50pm*

Mike Simmons (Halliburton) 1.50pm – 2.05pm

*Demand for 'Advantaged' Hydrocarbons during the 21st Century Energy Transition.*

Sian Loveless (Environment Agency) 2.05pm – 2.20pm

*Environmental regulation for the Net Zero agenda.*

*Discussion Q/As 2.20pm – 2.35pm*

**BREAK 2.35pm – 2.55pm**

**Water and Soil Resources** (2.55pm – 4.00pm)

Chair: Murray Hitzman (Irish Centre for Applied Geosciences)

Alan MacDonald (BGS) 2.55pm – 3.10pm

*Groundwater resources in a net zero economy.*

Helen Gavin (Ricardo) 3.10pm – 3.25pm

*The UK water industry and Net Zero.*

Christian Davies (Shell) 3.25pm – 3.40pm

*The many roles of microbes in soil and their importance for increasing soil carbon in nature.*

Discussion Q/As 3.40pm – 4pm

**General Discussion and Close** 4pm – 4.15pm

**September 7<sup>th</sup> 9:30 am to 1.15pm**

**Chair: Introduction/Announcements** 9.30am – 9.50am

Frances Wall (Camborne School of Mines, University of Exeter)

**Minerals and the Energy Transition.** 9.50am – 11.10am

Dan Smith (University of Leicester) 9.50am – 10.05am

*Barriers to sustainability in metal supply.*

Brett Grist (Critical Mineral Association) 10.05am – 10.20am

*The UK and mining: the opportunity to support the Green Industrial Revolution through domestic production.*

Erika Faigen / Gavin Bridge (Durham University) 10.20am – 10.35am.

*The battery mineral production network.*

Discussion Q/As 10.35am – 11am.

**BREAK 11.00am to 11.30am.**

**Circular Economies, Investment and the Energy Transition** 11.30am – 12.55pm

Chair: Dan Smith (University of Leicester)

Peter Hopkinson (University of Exeter) 11.30am – 11.45am

*Circular economics and energy futures.*

Andy Samuel. (Oil and Gas Authority) 11.45am – 12pm

*The North Sea: Energy Transition in action.*

Discussion Q/As 12pm – 12.10pm

Jon Clark (Ernst and Young) 12.10pm – 12.25pm

*Fuelling the Future – different energy pathways and investment.*

Frances Wall (University of Exeter) 12.25pm – 12.40pm

*The Circular Economy Centre for Technology Metals*

Discussion Q/As 12.40pm – 12.50pm

**General Discussion** 12.50pm – 1.10pm

**Future Meetings** – Nick Gardiner

**Close** 1.15pm.