



The
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Society

**ENERGY
TRANSITION**



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**Energy Transition - Geosciences and the
Energy Transition: Energy Transfer, Injection
and Storage**

Date: 07 - 08 June 2021

Event type: Conference, Virtual event

Organised by:
**Geological Society Events, 2021 Energy
Transition, Energy Group**

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Programme



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MONDAY JUNE 7TH Day 1. 12 to 16.00.

Session 1. Introduction 12.00 to 12.35

Mike Daly (President Geological Society)

Paul Monks (Chief Scientific Advisor BEIS)

Opening perspectives on the GeoSciences and the Energy Transition.

Jen Roberts (co-convenor, University of Strathclyde) *Programme Review.*

Session 2. Carbon Storage 12.35 to 14.00 Chair: Stuart Haszeldine (University of Edinburgh)

12.35-12.50 Graham Beal, (Partner EY Corporate Finance – Government and Infrastructure)

CCUS – The Blueprint for Delivery.

12.50-13.05 Niall Mac Dowell (Imperial College, London), Stuart Haszeldine (Edinburgh University), and Jon Gibbons (Sheffield University).

Perceptions of permanence in carbon storage - what is a long time?

13.05-13.20 Emily Cox (Cardiff University).

Building a social license: subsurface technologies and carbon dioxide removal.

13.20-13.35 Nilay Shah (Imperial College, London).

Hydrogen and CCS – the opportunities in the future energy system.

13.35-14.00 Discussion.

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Break 14.00 to 14.15.

Session 3. Energy Transfer / Geothermal 14.15 to 16.00
Chair: David McNamara.

14.15-14.30 Lucy Cotton (GeoScience Ltd.).

Geothermal: Examples and Key Learnings.

14.30-14.45 Sandra Snæbjörnsdóttir (Carbfix, Iceland).

CO₂ storage through carbon mineralisation.

14.45-15.00 Masoud Babaei (University of Manchester), Jon Gluyas (Durham University).

Power production from CO₂ plume geothermal (CPG) systems.

15.00-15.15 Charlotte Adams (The Coal Authority).

Heating the Future with Abandoned Coal Mines

15.15-16.00 Discussion and Wrap Up

End 16.00

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TUESDAY JUNE 8TH Day 2. 9.30 to 13.00

Session 1. Introduction 9.30am - 10.00 Chair: Stuart Haszeldine (University of Edinburgh)

9.30-10.00 Bryony Livesey (ISCF Director – Industrial
Decarbonisation, UKRI).

Mobilising the subsurface net-zero geo-industry.

Session 2. Energy Storage 10.00 to 11.00 Chair: Jon Gluyas (Durham University)

10.00-10.15 Katriona Edlmann (Edinburgh University).

Hydrogen storage and net-zero.

10.15-10.30 Alan Leadbetter (Storengy Ltd.).

Using Salt Caverns to store Hydrogen.

10.30-11.00 Discussion.

Break 11.00 to 11.15.

Session 3. Building Public Confidence 11.15 to 12.50 Chair: Jen Roberts (University of Strathclyde)

11.15-11.30 Richard Davies (Newcastle University).

Shale fail: what can we learn for the energy transition?

11.30-11.45 Linda Stalker (CSIRO).

*Subsurface test laboratories and sites for net zero applications: Dirty
hands and Clean Energy.*

11.45-12.00 Gareth Johnson (Strathclyde University).

*Tracking injection in the subsurface: insights into CO₂ storage security
with implications for public confidence.*

12.00-12.15 Jonathan Turner (Nuclear Decommissioning Authority).

Deep geological disposal of UK higher activity nuclear waste.

12.15-1.00 Discussion and Wrap up.

End 13.00



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End of Programme

Talks will be uploaded after the event and a link shared with all registered persons.

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