

BGS UK Geoenery Observatories John Midgley, British Geological Survey (BGS)

The BGS's UK Geoenery Observatories project will establish new centres for world-leading research into the subsurface environment. The knowledge they generate will contribute to the responsible development of new energy technologies both in the UK and internationally.



John Midgley has worked for over 30 years in the energy sector and is currently employed as Technical Manager for the BGS UK Geoenery project (formerly Energy Security & Innovation Observing System for the Subsurface - ESIOS). His work is a combination of operations geology, drilling engineering and technology management.

As part of this project, the Natural Environment Research Council (NERC) and the BGS are studying two research field sites:

- The Glasgow Geothermal Energy Research Field Site, in Glasgow, will study geothermal energy in mine-water heat; and
- The Cheshire Energy Research Field Site will study the geology around Ince Marshes for energy science research.

The field sites will have a network of deep and shallow boreholes containing state-of-the-art listening devices, which will act like stethoscopes to measure precisely the state of the underground in its natural condition and any changes in great detail.

John's lecture will focus mainly on the Cheshire Energy Research Field Site, which aims to research new, low-carbon technologies and foster world-class science and innovation.

TIME: Lecture starts promptly at 7.00pm

Venue: Lecture Theatre 137 of Liverpool John Moores University, Byrom Street L3 3AF, for campus map and directions see: <http://www.liverpoolgeologicalsociety.org/meetings.htm>.

Organised Jointly by the North West group of the Geological Society of London and Liverpool Geological Society

For further information contact the group secretary, Catherine Kenny at: Geologicalsociety.northwest@gmail.com

CPD: *These events may be considered for contributing to a recognised Continuing professional Development (CPD) scheme as part of personal development. Delegates should check their individual scheme requirements.*