



The Geological Society of London: *East Midlands Regional Group*



Deep geothermal: Pushing temperatures to the limit – in the UK and globally

Chris Rochelle (BGS)



Recent developments in deep geothermal energy are opening up previously untapped high temperature resources. In Cornwall, deep boreholes into fractured granite are now in place at the United Downs Industrial Estate and the Eden Project. Internationally, ‘superhot geothermal’ / ‘magmathermal’ energy, involving the extraction of very hot fluids from close to magma chambers are of interest because of the potential for an order of magnitude increase in energy per borehole. I will present information on investigations, from Iceland – which leads the way with the IDDP-1 and -2 boreholes. I will finish with a brief mention about accessing the hottest of subsurface fluids, where the Krafla Magma Drilling project aims to drill into, and recover a sample of, unerupted magma.

Chris Rochelle a Senior Geochemist at the BGS, with over 30 years research experience into various aspects of the geochemistry of fluid-rock interactions.

19:15 Tuesday 18th January 2022

AGM will commence at 19:00

Please note new times

Online Zoom Event – please see email for Registration details

Everyone welcome

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