

Join the UKUH Research Programme for our Final Science Meeting Celebrating the Science Outcomes of UKUH Research 8 & 9 June 2022

The Science Meeting begins with an evening meal on 8 June at the [Wylam Brewery](#)
(drinks at 18:00, dinner at 19:00)

Thursday 9 June 09:30 – 16:00
Conference at The Catalyst, University of Newcastle

Digital posters by Miss Cindy Lim (Bristol University) and Mr Fadul Dawood (Durham University)

9:30	Networking and Coffee
10:00 WELCOME	Professor Richard Davies, Newcastle University, Dr Mark Ireland, Newcastle University and Professor Patrick Devine-Wright, Exeter University
10:30	<p>Understanding the Properties of Shale and overburden rocks from nanoscale to full basin scale</p> <p>Combined Laboratory Experiment and Numerical Modelling for Multiscale Flow Characterization for Bowland Shale by Dr Jingsheng Ma</p> <p>Linking the Geomechanical Response of Overburden Shales from Grain-Scale to Field-Scale by Dr Tom Charlton</p> <p>Q&A chaired by Dr Mark Ireland</p>
11:00	Break
11:15	<p>The Geomechanics of Induced Seismicity</p> <p>Complex Fracturing in Lancashire Boreholes by Mr Andy Kingdon</p> <p>Seismic Fracture Characterization of the Bowland Shale in the Bowland Basin and Gainsborough Trough, UK by Dr German Rodriguez</p> <p>Frictional Properties Affect Earthquake Size Distributions During Fluid Injection by Dr Mike Allen</p> <p>Q&A chaired by Prof Richard Davies</p>

12:00 LUNCH	Posters and Networking
13:00	<p>Modelling and monitoring Induced Seismicity and Lessons for Net Zero</p> <p>Geomechanical Modelling of the Influence of Injection Scenarios on Seismic Hazard at Preston New Road by Dr Robin Thomas</p> <p>Baseline Seismic Monitoring Survey for UKGEOS Glasgow Geothermal Production Using Distributed Acoustic Sensing by Dr Joanna Holmgren</p> <p>The negligible effects of word choice and data provision on attitudes towards induced seismicity by Dr Darrick Evensen</p> <p>Public Engagements with Induced Seismicity: Lessons for Geothermal in the UK's Net Zero Transition by Dr Owen King</p> <p>Q&A chaired by Prof Richard Davies</p>
13:45	<p>Understanding and monitoring subsurface activities</p> <p>InSTAHGRAM – Integrated Spatio-Temporal Atmospheric Hydro-Geological Risk Assessment Methodology applied to GeoEnergy Resources by Dr Gus Fraser Harris</p> <p>Monitoring of Groundwater Quality Around Sub-Surface Activities by Dr Kathryn Leeming</p> <p>Biodegradation of common fracking chemicals by Ms Katie Edwards</p> <p>Community Engagement, place disruption and environmental justice by Dr Stacia Ryder</p> <p>Q&A chaired by Dr Beth House</p>
14:45	Final reflections from Dr Beth House, NERC
15:00	Networking and drinks