

PROGRAMME

Day 1: Tuesday 6 th March	
09.15	Registration
10.00	Welcome Nicky Robinson
10.00	Launch of Environment Network Eva Valsami-Jones & David Vaughan
10.10	Introduction to Theme 1 – Groundwater and Energy Daren Goody & Jonathan Craig
10.15	Keynote: Deep Basinal Pore Fluids – An Underused Resource? Jon Gluyas
10.55	Effects of CO₂ Storage on Shallow Groundwater Resources: A Hypothetical Case Study in the Sherwood Sandstone Aquifer, UK Stephanie Bricker, A Barkwith, Alan Macdonald, Andrew Hughes & Martin Smith
11.15	Break
11.40	Shale Gas and Groundwater Mike Stephenson
12.10	An Open-Loop Ground Source Heat Pump Tool for the Initial Assessment of Suitability in England and Wales Corinna Abesser, Jon Busby, Melinda Lewis, Rose Hargreaves & Michael Lord
12.30	How Will Planting Bioenergy Crops Change Potential Recharge? Jon Finch
12.50	Discussion Daren Goody & Jonathan Craig (chair)
13.00	Lunch
14.00	Introduction to Theme 2 – Groundwater and Basin Scale Processes Willy Burgess
14.05	Keynote: Effects of Faults on Geofluids in the California Borderland Basins Grant Garven
14.45	Enhancement of Basin-Scale Permeability in Limestones by Sulfate Dissolution Simon Bottrell, John Gunn & Stephen Worthington
15.05	Reconstruction of Fluid Flow During Burial Diagenesis and Pb-Zn-F Mineralisation Within the Lower Carboniferous of the Derbyshire Platform, UK Miles Frazer, Fiona Whitaker & Cathy Hollis
15.25	Tracing Seawater Evaporation and Evaporite Dissolution in the Zambian Copper Belt James Nowecki & Steve Roberts
15.45	Break
16.10	Impacts of Small-Scale Geologic Heterogeneity on Large-Scale Groundwater Flow: Implications for Sustainable Arsenic-Safe Water Supply in the Bengal Basin Holly Michael
16.40	Permeability Anisotropy and Patterns of Arsenic Distribution in the Bengal Aquifer System Mohammad Hoque & Willy Burgess
17.00	Effects of Geological Heterogeneity on Groundwater Flow in the London Basin Steve Buss



17.20	Discussion Steve Roberts (chair)
17.30	Drinks Reception & Posters

Day 2: Wednesday 7th March

09.00	Registration
09.30	Introduction to Theme 3 – Groundwater and Climate Adrian Butler & John Bloomfield
10.15	Keynote: Towards an Understanding of Anthropogenic Stresses and Hydrologic Feedbacks on Future Groundwater Resources Reed Maxwell
10.15	Effects of Climate Change on UK Groundwater Resources Assessed Using the UKCP09 Probabilistic Climate Projections Chris Jackson, Andrew Barkwith, John Mackay & Lei Wang
10.35	Dependence of Groundwater Resources on Extreme Rainfall: Evidence from East Africa Richard Taylor
10.55	Break
11.20	Linking Groundwater and Climate: Learning from the Past and Looking to the Future Kevin Hiscock
11.50	Climatic Effects on Recharge Mechanism in the Chalk Aquifer Martin Smith, David Pope, Richard Phillips, Virginie Vergnaud, Thierry Labasque & Luc Aquilina
12.10	The Analysis of Observed Groundwater Levels to Predict Drought Impacts Sarah Beeson, Robbie MacDonald & Jan Van Wonderen
12.30	Smarter Groundwater Resource Management as a Component of Climate Change Adaption Rob Soley
12.50	Discussion John Bloomfield (chair)
13.00	Lunch
14.10	Introduction to Theme 4 – Future Directions and Societal Challenges Nicky Robinson & Tim Beisen
14.05	Keynote: TBC Johannes Grath
14.45	Groundwater Crisis Jacob Tompkins
15.00	Societal Challenges and Groundwater Science Rob Ward
15.15	TBC Ian Barker
15.30	Break
15.55	Chaired Panel Discussion Richard Davies (chair)
16.35	Closing Remarks

