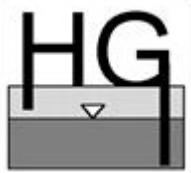




The
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The Hydrogeology of Peat

A meeting to be held on 7th July 2016 at the University of Birmingham – Registration open



Water storage and movement within peat plays a fundamental role in some key environmental issues including the sustainability of carbon storage in peatlands, the hydrological response of uplands with reference to flood risk management, and maintenance and restoration of rare wetland plant communities.

The aim of this meeting is to bring together mire (peatland) hydrologists and hydrogeologists to identify and discuss common themes, methods and concepts. Presentations will cover subjects including:

- Field & laboratory methods for measuring the hydraulic properties of, and groundwater flow within, peat.
- Conceptual and mathematical modelling of the hydrological functioning of peatland systems at varying scales.
- Conceptual and mathematical modelling of the impacts of quantitative and qualitative pressures on peatlands, such as drainage and climate change.

To register for the meeting please visit <http://www.geolsoc.org.uk/peat16>. Registration fees; £60 members (GS/BHS), £80 non-members. A buffet lunch will be provided. Enquiries to **Dr Rob Low** (rob@rigare.co.uk). Poster presentations will still be considered.



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Programme

9:00	Registration, refreshments & (early bird) posters
10:00	Welcome & Introduction <i>Rob Low (Rigare Ltd)</i>
Morning session: Conceptual aspects	
10:15	The curious case of a peatland with a hydraulic conductivity like that of gravel but no ground-water flow. <i>Prof. Andy Baird (University of Leeds)</i>
10:35	Microtopography, Drainage and Scrub – Factors Controlling Groundwater Levels on Rusland Valley Mosses. <i>Alex Jones (JBA Consulting)</i>
10:55	Geophysical imaging and characterisation of peatland thickness and hydrogeology: Cors Caron, mid-Wales. <i>Neil Ross (Newcastle University)</i>
11:15	Refreshments
11:45	Parched peatlands; the invisible effects of peatland drainage. <i>Richard Lindsay (University of East London)</i>
12:05	Assessing the Impact of Marginal Drainage on Raised Bog Topography and Conservation. <i>Alister Best (QUB/RPS) and Raymond Flynn (QUB)</i>
12:25	Are raised bog ecosystems groundwater-dependent? <i>Shane Regan & Paul Johnston (Trinity College, Dublin)</i>
12:45	Poster pitch (two minute introductions to posters on display)
13:00	Lunch
Afternoon session: Modelling aspects	
14:00	Modelling raised bog water-table fluctuations. <i>Hugh Cushnan (QUB)</i>
14:20	Modelling the effects of gullies, ditches, and restoration on the ecohydrology of blanket peatlands. <i>Dylan Young (University of Leeds)</i>
14:40	The effects of peat hydraulic properties and depth to confining geology on water fluxes in peatlands. <i>Simon Dixon (University of Birmingham)</i>
15:00	Refreshments
15:30	Coupled modelling of groundwater and surface water in Suffolk fen peat. <i>Jo Thorp (Atkins)</i>
15:50	Integrated hydrological modelling of valley mires in hard-rock regions, Massif Central, France. <i>Arnaud Duranel (University College London)</i>
16:10	Concluding discussion & close of meeting (~16:30)