

**Geological Society Special Publication: Regional GW Modelling in the UK: Past, Present and Future
Presentation & Feedback at the UK Groundwater Modelling Forum 19th November 2009, Priory Rooms**

There will be a morning and two afternoon slots for talks

Each will have three parallel sessions with 20-minute talks from three speakers in each session

Time	Paper	paper no.		paper no.		paper no.	
Opening Plenary	09:45	Welcome. <i>Mark Whiteman</i>					
	09:50	Opening questions & challenges. <i>Ken Rushton</i>					
	10:00	Introduction. <i>Keith Seymour</i>	1				
	10:20	Watershed modeling with MODFLOW, <i>Mary Anderson, Department of Geoscience, University of Wisconsin</i>					
11:00	Coffee						
Morning Sessions		Groundwater quality applications	paper no.	Chalk 1	paper no.	Sandstone	paper no.
	11:15	Extending the use of regional groundwater flow models to simulate contaminant transport, <i>Jane Dottridge</i>	2	A successful model? The 30 year operational life of the Lincolnshire Chalk model, <i>Phil Hayes</i>	5	The use of groundwater levels and models for the management of a moderate-diffusivity aquifer, <i>Martin Shepley</i>	11
	11:35	Using a tiered approach for management of water resources in an aquifer susceptible to saline intrusion and upconing, <i>S. R Arthur</i>	3	Modelling the hydrogeology and managed groundwater system of the Chalk across Southern and South West Regions, <i>Tim Power</i>	6	Effects of faulting on regional groundwater flow dynamics in the Lower Mersey Basin and North Merseyside Permo-Triassic aquifer, UK, <i>C.D Bemment</i>	12
	11:55	Using models to help protect and improve groundwater quality, <i>Nick Rukin</i>	4	Groundwater resource modelling for public supply management in London: A review of recent developments, <i>Michael Jones</i>	7	Simulation of an unlined water transfer tunnel in the Lichfield Permo-Triassic Sandstone aquifer, UK, <i>P. J. J. Daily</i>	13
12:15	Lunch						
First Afternoon Sessions		River flow and wetland impact applications	paper no.	Chalk 2	paper no.	Other Aquifers	paper no.
	13:05	A rapid model for estimating the reduction in river flows due to groundwater abstraction, <i>Paul Hulme</i>	14	Development and Application of the Kennet Valley Groundwater Model, <i>Lesley McWilliam</i>	8	Groundwater modelling in Scotland - a brief history, <i>Majdi Mansour</i>	17
	13:25	Impacts of groundwater abstractions on river flows - predictions from regional groundwater models, <i>Rob Soley</i>	15	Modelling without boundaries - comparing, joining and disaggregating neighbouring groundwater models, <i>Mark Grout</i>	9	Using and refining an existing regional groundwater model to assess the impacts of an abstraction on a nearby RSPB reserve, <i>Sarah Gellatly</i>	18
	13:45	Wetland impact prediction from regional groundwater models, <i>Mark Grout</i>	16	Advances in modelling groundwater behaviour in Chalk catchments, <i>Adrian Butler</i>	10	Lumped modelling of the Mendips karstic Limestone, <i>Rik Ingram</i>	19
14:05	Tea						
Second Afternoon Sessions		Recharge	paper no.	Review, Delivery & Use	paper no.	& Future look & Optimisation	paper no.
	14:20	Recharge estimation for regional groundwater modelling in the UK, <i>Simon Quinn</i>	20	How to get your model results used: A guide to stakeholder engagement, <i>Andrew Hughes</i>	23	Refinement of the Vale of St. Albans Groundwater Model, <i>Adam Taylor</i>	26
	14:40	Spatial heterogeneity of recharge through Quaternary deposits, <i>Geoff Parkin</i>	21	How the models are being delivered - the National Groundwater Modelling System for England and Wales (NGMS), <i>Mark Whiteman</i>	24	Pest controlled: responsible application of inverse techniques on UK groundwater models, <i>Angelo Papaioannou</i>	27
	15:00	Climate change predictions and groundwater source yield implications, <i>Paul Davison</i>	22	Regional groundwater models – the external advisor's viewpoint, <i>Jane Dottridge</i>	25	A glimpse into a virtual future: What groundwater modelling could be like in a decade? <i>Andrew Hughes</i>	28
Closing Plenary	15:25	Summary. <i>Mary Anderson, Paul Hulme, & Keith Seymour</i>	1				
	15:50	Discussion & Close. <i>Mark Whiteman</i>	1				