



Groundwater Modellers' Forum 2026
Do emerging challenges require new
groundwater modelling approaches and tools?

Wednesday 4th November
Priory Rooms, Bull Street, Birmingham

Programme



- 9:15 Arrival and Refreshments
9:55 Welcome
- 10:00 **Are Environment Agency Regional Models still the Best Available Tool?**
 Alessandro Marsili, Affinity Water
- 10:25 **GWMF 2026: Groundwater modelling to build a new generation of Hydro-Ecological Models**
 Roger Cranswick, Stantec
- 10:50 **Efficient Adjoint Analysis for estimation of stream capture to support groundwater abstraction management**
 Kath Standen, Intera
- 11:15 Coffee
11:45 Modellers' Fair: introduction
11:50 Modellers' Fair (part 1)
12:45 Lunch
13:45 Modellers' Fair (part 2)
- 14:40 Notices
14:45 **Complex problems need models we can see, rerun and question**
 Daniel López, GWLAB
- 15:10 **Multi-scale modelling of groundwater and heat transport in an interconnected flooded coalfield**
 Alejandro Perez Silva, University of Edinburgh
- 15:35 Coffee
- 16:05 Key developments from IAH 2026 and MODFLOW and More conferences
 Alastair Black, Groundwater Science
- 16:15 **Capturing Climate Uncertainty in Groundwater Projections for Britain: Application of CANARI Large Ensemble to British Groundwater Model**
 Johanna Scheidegger, British Geological Survey
- 16:40 **Modelling the smarter conjunctive management of water resources in the Wessex Basin**
 Rob Soley, WSP
- 17:05 Closing remarks

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Modellers' Fair contributors

Thermal Plume Modelling for Closed-Loop Ground Source Heating and Cooling Systems:
Supporting Environmental Regulation in England

Paolo Bertolini, Mott MacDonald

VKD in a Modflow6 world

Rolf Farrell, EA

Effects of Model Structure on Lumped Groundwater Modelling and SGI-Based Drought Analysis
Across the UK

Chia Chi Huang, National Cheng Kung University

Groundwater modelling in a Human-Controlled Hydrological System: Integrating Irrigation, Link
Canal Transfers, and Climate Change in the Indus Basin

Setareh Nagheli, BGS

The River Thames Scheme: Predict the influence on surface and groundwater for the largest
European flood defence project with a fully coupled model system

Zoltán Trabak, DHI WASY GmbH

Fully Scripted Groundwater Modelling Workflows using MODFLOW 6 and Python

Samuel Bishop, Stantec

Using regional models to understand and address water quality challenges

Susie Roy, WSP

High resolution modelling of groundwater recharge for MODFLOW with MIKE SHE

Philipp Huttner, DHI Group

SWAc 3.0: The latest version of the Surface Water Accounting model.

Charalampos Ntigliakis, Groundwater Science Ltd

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