



INTERNATIONAL ASSOCIATION OF HYDROGEOLOGISTS  
IRISH GROUP

“Developments in Irish Hydrogeology in a  
Changing Water Services and Planning Environment”



Tuesday 25<sup>th</sup> –  
Wednesday 26<sup>th</sup>  
April 2017

Tullamore Court Hotel  
Tullamore  
Co. Offaly

PROGRAMME

DAY 1: 25<sup>th</sup> April 2017

08:30 Registration, tea/coffee, exhibits

09:30 Welcome: Henning Moe, President IAH Irish Group

SESSION I: Keynotes

09:40 Donal Daly (EPA): *Change Thoughts, Change Destiny*

10:10 Mike Packman (Southern Water): *Sustainable ground-water resource planning and management*

10:40 Q&A

10:55 Refreshments

SESSION II: Towards safe and effective Groundwater Supply

11:20 Angela Ryan (Irish Water): *National Water Resources Plan*

11:40 Taly Hunter-Williams (Geological Survey): *Know your ZOCs from your SPAs – Groundwater Source Protection terminology and usage*

12:00 Michael O’Hora (Laois Co. Council): *Water quality – “Prevention or Cure” – a Local Authority perspective*

12:20 Georg Houben (BGR): *Towards energy-efficient water wells through optimization of well hydraulics*

12:40 Q&A

13:00 Lunch

SESSION III: Groundwater Hazards and Pathways

14:00 Jenny Deakin (EPA): *Understanding pathways transferring nutrients to streams - implications for water quality management strategies*

14:20 Eva Mockler (UCD): *What are the main sources of nutrient inputs to Ireland’s aquatic environment? Results from the*

*SLAM framework*

14:40 Alison Orr (ARUP): *The influence of hydrogeological setting on nitrate fate and transport in Irish and British aquifers and the implications for catchment management*

15:00 Refreshments

15:25 Pat Barrett (CDM Smith): *The application of quantitative tracer techniques to assess diffuse metal contamination from the former Avoca mine site*

15:45 Emmet Conboy (Meath Co. Council): *Implementing guidance on the authorisation of discharges to groundwater - experience from one Local Authority*

16:05 Q&A

SESSION IV: Early Career Hydrogeologists Network

16:20 Viviana Re (University of Pavia): *Socio-hydrogeology: bridging the gap between science and society to better address aquifer contamination*

16:35 Grainne Barron (NUIG): *Development of a focussed Integrated Catchment Management toolkit for use in secondary schools*

16:50 Elia Cantoni (TCD/ICRAG): *Climate change impacts on groundwater recharge to Irish fractured-bedrock aquifers*

17:05 Natalie Duncan (Geological Survey): *Dye tracing groundwater in the Rathcroghan Uplands, Co. Roscommon*

17:20 Q&A

17:35 Poster Presentation & Wine Reception

19:00 Social Event: Hugh Lynch’s Bar

DAY 2: 26<sup>th</sup> April 2017

08:30 Tea/coffee, exhibits

SESSION V: Keynote

09:00 Attila Kovács (Geological & Geophysical Institute of Hungary): *Reactivation of karst springs after regional mine dewatering in the Tata area, Hungary*

09:30 Q&A

SESSION VI: Geo-Risks related to Groundwater

09:45 Owen Naughton (Geological Survey): *Monitoring, mapping and modelling groundwater floods in Ireland*

10:05 Catherine Buckley (ARUP): *How understanding hydrogeology can reduce risks on large linear infrastructure projects*

10:25 Alessandro Novellino (BGS): *Space-borne Interferometric synthetic aperture radar (InSAR) for detecting geo-risks related to hydrogeology*

10:45 Ellen McGrory (NUIG): *Arsenic contamination of drinking water in Ireland: A spatial analysis of occurrence and potential risk*

11:05 Q&A

11:20 Refreshments

SESSION VII: DOC & THM

11:45 Pamela Bartley (Hydro-G): *Drinking water supply sources & dissolved organic carbon: Irish groundwater versus surface water*

12:05 Connie O’Driscoll (Ryan Hanley): *Identifying sources of natural organic matter (NOM) and trihalomethanes (THMs): Case study from a groundwater spring in a karst region in the west of Ireland*

12:25 Malcom Doak (Irish Water): *The Dingle Toe: strategic use of groundwater to reduce water treatment efforts, while improving well installations at the same time*

12:45 Shane Regan (TCD): *Groundwater dissolved organic carbon (DOC) and human health risks: Some issues to consider*

13:05 Q&A

13:20 Conference closing – Philip Schuler, Conference secretary IAH Irish Group

13:30 Lunch

Technical Workshop

14:30 Rebecca Quinn (EPA), Kenneth Freehill & William Delaney (OPW): *Telemetric data transmission*

16:00 End of conference