



Groundwater: drought, floods and climate change

Tuesday 30th April –
Wednesday 1st May
2019

Tullamore Court Hotel
Tullamore
Co. Offaly

PROGRAMME

08:30 Registration, tea/coffee, exhibits

09:30 Welcome - Donal Daly, President IAH (Irish Group)

Opening Address by Matthew Collins, Department of Communications, Climate Action and Environment

SESSION I: Climate change projections and impacts - Part I

10:00 KEYNOTE: Bridget Scanlon (University of Texas, USA): *Managing Water Resources within the Context of Climate Extremes*

10:30 Paul Nolan (ICHEC): *Regional Climate Model Projections for Ireland*

10:50 Q & A

11:00 Refreshments

SESSION I: Climate change projections and impacts - Part II

11:30 Matt Ascott (BGS): *Methods and Models to Quantify Climate-driven Changes in Groundwater Resources*

11:50 Èlia Cantoni (TCD / iCRAG): *Impacts of climate variability on groundwater recharge to Irish bedrock aquifers*

12:10 Q & A

SESSION II: One-minute poster presentations

12:25 Lea Duran (TCD / iCRAG)

Clodagh Gillen (University of Strathclyde / SLR)

Damien Mooney (TCD / iCRAG)

Simon William Jeggo (UCC)

Luisa Andrade (UCC / iCRAG)

Megan Dolan (NUIG)

Ella Bijkerk (TCD)

Kevin Murphy (Newcastle University / IE Consulting)

Seán Wheeler (NUIG / iCRAG)

John Paul Moore (UCD / iCRAG)

DAY 1: 30th April 2019

13:00 Lunch

SESSION III: Impacts of drought in Ireland

14:00 Conor Murphy (NUIM): *Irish droughts: Past and future perspectives*

14:20 Philip Maher (EPA): *Hydrogeological response to the 2018 drought in Ireland*

14:40 Joe Gallagher (NFGWS): *The Summer of 2018 - a Group Water Schemes perspective*

15:00 Tom Cuddy (Irish Water): *Irish Water's Response to the 2018 Drought as Co-ordinated by the Drought Action Team*

15:20 Q & A

15:35 Refreshments

SESSION IV: Drought response 2018

16:00 Malcolm Doak (Irish Water): *Groundwater Assets Supply-Side Actions During the 2018 Drought*

16:20 Henning Moe (CDM Smith): *Wellfield Rehabilitation Actions at the Bennetsbridge Public Water Supply*

16:35 Gerry Baker (Arup): *The Role of G1 Borehole Design in Reducing Problems of Operation and Maintenance*

16:50 Deirdre Larkin (Atkins): *Supply-Side Actions at the Portlaoise Public Water Supply Wellfield*

17:05 Q & A

17:20 Poster Viewing and Wine Reception

19:00 Social Event: Hugh Lynch's Bar

08:30 Tea/coffee, exhibits

SESSION V: Groundwater flooding

09:00 KEYNOTE: Vincent Fitzsimons (SEPA, UK): *Climate change - are we going to do something about it?*

09:30 Rebecca Bradford (GSI): *Groundwater Flooding in Ireland: New Methods for Flood Monitoring and Mapping*

09:50 Q & A

SESSION VI: Groundwater systems in a changing climate – Part I International

10:00 KEYNOTE: Mark Cuthbert (Cardiff University, UK): *The importance of groundwater response times for understanding climate change impacts on groundwater systems*

10:30 Rachel Bell (BGS, UK): *The impact of the 2015/16 El Niño on rural water security in Ethiopia*

10:50 Q & A

11:00 Refreshments

DAY 2: 1st May 2019

SESSION VI: Groundwater systems in a changing climate – Part II National

11:40 Conor Quinlan (EPA): *Water resource assessment, e-flows and abstraction management*

12:00 Taly Hunter Williams (GSI): *Groundwater storage capacities of Irish aquifers*

12:20 Shane Regan (NPWS): *The vulnerability of peatland ecosystems to increases in the frequency and severity of droughts*

12:40 Q & A

12:55 Closing address – Sarah Blake, Conference Secretary

13:00 Lunch

WORKSHOP: QGIS for Hydrogeologists

14:00 Shane Carey (GSI): *An interactive workshop outlining the use and benefits of open-source QGIS for hydrogeologists*

15:30 End of conference

Register online now: <https://www.eventbrite.ie/e/39th-annual-iah-irish-group-conference-tickets-58572989388>