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Catchment Science and Management – The Role of Geoscience and Groundwater

INTERNATIONAL ASSOCIATION OF
HYDROGEOLOGISTS - Irish Group
41st Annual Groundwater Conference
Online, 26th and 27th April 2021





INTERNATIONAL ASSOCIATION OF HYDROGEOLOGISTS IRISH GROUP



41st Annual Groundwater Conference

Catchment Science and Management – The Role of Geoscience and Groundwater

Monday 26 &
Tuesday 27
April, 2021

Free Online Event

SPEAKER PROGRAMME

HALF DAY 1:
Monday, 26 April 2021
13:30 – 17:30

13:00 Conference Log in Open

SESSION 1: Catchments and the Environment

13:30 Welcome & Introduction: Philip Maher (EPA), Conference Secretary, IAH (Irish Group)

13:40 **Gretta McCarron** (An Fóram Uisce): A Framework for Integrated Land and Landscape Management (FILLM), a systems-based approach to environmental management.

14:00 **Patrick Morrissey** (EPA): Nature-based Catchment Management - opportunities to restore our waters whilst also achieving multiple benefits.

14:20 **Cilian Roden** (Consultant): Marl lakes on karstic limestone bedrock - a special Irish habitat?

14:40 Q&A

15:00 Early Career One-Minute Poster Presentations

15:00 Introduction & chair: Lindsay Connolly (Arup)

15:20 Break

SESSION 2: Investigating and Assessing Catchment Water Quality

15:35 Introduction & chair: Laura McGrath (Tobin)

15:40 **Marie Archbold** (EPA): The scientific evidence-base underpinning the 3rd Cycle River Basin Management Plan.

16:00 **Per-Erik Mellander** (Teagasc): The Agricultural Catchments Programme: a decade of agro-environmental studies.

16:20 **Eoin McAleer** (LAWPRO): Local Catchment Assessment: From Deskstudy to Referral.

16:40 **Caoimhe Hickey** (GSI): The CatchmentCARE Project

17:00 Q & A

17:30 End of Day 1

HALF DAY 2:
Tuesday, 27 April 2021
09:30 – 13:20

09:00 Conference Log in Open

SESSION 3: Insights on Water Flow in Catchments

09:30 Introduction & chair: Alison Orr (Arup)

09:35 **Alan McDonald** (BGS): Investigating the role of groundwater in catchment functioning in the Eddleston research catchment, Scotland.

09:55 **Ray Flynn** (QUB): Blanket bogs and streamflow - the underappreciated role of groundwater.

10:15 **Suzanne Tynan** (Consultant): Characterisation of flows in a western karst terrain, using combined hydrological and hydrogeological methods.

10:35 Q&A

11:00 Break

SESSION 4: Managing Drinking Water with a Catchment Based Approach

11:15 Introduction & chair: Paul Wilson (GSNI / BGS)

11:20 **Lorraine Gaston** (Irish Water): The Recast of the Drinking Water Directive - Challenges and opportunities for protecting our sources.

11:40 **Patrick McCabe** (NFGWS): Determining mitigation actions using the pollutant transfer continuum.

12:00 **Gerry Baker** (Arup): Catchment Modelling of Orthophosphate Leakage from Drinking Water Mains.

12:20 **Coran Kelly** (Tobin): Challenges and opportunities for catchment management in a karst environment - insights from a work in progress in Rathcroghan, Co. Roscommon.

12:40 Q & A

13:10 Closing Address – Niamh Rogan (EPA), Secretary, IAH (Irish Group)

13:20 End of conference

Register for free here: <https://www.eventbrite.ie/e/41st-annual-iah-irish-group-online-conference-tickets-142144346567>

Bound copies of the conference proceedings can be ordered online when registering.