

2026 Irish National Hydrology Conference

Tuesday 17th November – Tullamore Court Hotel, Tullamore

Final Announcement

Introduction

The Joint Irish National Committees for the IHP/ICID warmly invites you to Tullamore for the 27th National Hydrology Conference taking place on **Tuesday 17th November 2026** at the **Tullamore Court Hotel, Co Offaly**. This event is Ireland's leading conference devoted to hydrology, providing a unique forum for attendees to share policy developments, research results, and practical solutions to engineering hydrology and related issues.

Who are the expected attendees?

- ♦ Engineering Consultants, Researchers, Hydrologists, Environmental Engineers and Scientists,
- ♦ Local Authority Engineers and Planners,
- ♦ Policy makers from all relevant fields,
- ♦ Professionals involved with the implementation of the various EU water management Directives.

Conference Themes

The annual conference brings together leading researchers and practitioners, from around Ireland and beyond, to exchange and share their experiences and research results on all aspects of Hydrology, including climate change, groundwater, fluvial hydrology and flood risk management. The IHP/ICID recognises the importance of understanding hydrological processes which determine the relationship between humans and the environment when quantifying environmental changes and extreme events. Therefore, it is imperative to discuss the impacts of extreme weather events and search for innovative climate resilient and sustainable solutions.

The themes of this year's conference will provide interdisciplinary platform for researchers, practitioners and educators to discuss the recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Droughts, Flood Forecasting and Modelling, Wastewater treatment and water quality, Planning and Quality Assurance.

Organisers

Intergovernmental Hydrological Programme (IHP)

The UNESCO intergovernmental scientific co-operative programme in hydrology and water resources (IHP) was established to act as a catalyst to promote co-operation and research in the management of water resources, an issue which had been identified as a significant limiting factor for harmonious development in many regions and countries of the world.

International Commission on Irrigation & Drainage (ICID)

The mission of the ICID is to stimulate and promote the development of the management of water and land resources for irrigation, drainage, flood control and river training applications, including research and development and capacity building.

Conference Booking & Costs

The cost of attendance at the Conference is €200 per person (with a limited reduced Student rate of €60), which includes refreshments and lunch. Invoices will be issued following receipt of registration forms requesting the reservation of a place. Receipts will only be issued if requested. Demand for places at previous Conferences has been high. Places are allocated on a first-come basis, and pre-booking is essential (using the registration form on this page).

Please note that there will be no refund or waiver of invoice for cancellations received later than Friday, 13th November.

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Conference Opening

- 09:00 Conference Registration (Tea, Coffee & Pastries)
- 10:00 Welcome – **Kevin ‘Boxer’ Moran**, T.D., Minister of State for the Office of Public Works and Flood Relief.

Session I: Droughts

- 10:20 **From model benchmarking to regionalisation and climate projection: a national low-flow and drought modelling workflow for Ireland**
F. O’Loughlin, et. al., (*University College Dublin*)
- 10:40 **Low-Flow Trend Detection in Ireland Using Quality-Assured Hydrometric Records and Machine-Learning Infilling**
A. K Singh & E. Doherty (*University of Galway*)
- 11:00 **Conference Poster Presentations**
Brief Introductions to posters on display in the exhibition area
- 11:50 **Discussion - Tea/Coffee**

Session II: Flood Forecasting and Modelling

- 12:20 **From Research to Operations: Deep Learning for Storm Surge Forecasting at Met Éireann**
Aoife Igoe, et. al., (*Trinity College Dublin*)
- 12:40 **From Rain Gauge to Runoff: Rainfall Representation and Hydrological Prediction in a Small Upland Catchment**
C Wall & T Henry (*University of Galway*)
- 13:00 **Assessing the Applicability of the GR4H Model for Operational Flood Forecasting in the Dodder Catchment, Ireland**
Salman Khan, et.al., (*Met Éireann*)
- 13:20 **Discussion - Lunch**

Session III: Wastewater Treatment and Water Quality

- 14:40 **Examining the effectiveness of Constructed Wetlands for the attenuation and reduction of wastewater effluent flows from small agglomerations in Ireland**
Stephen Boyle, et.al., (*University of Galway*)
- 15:00 **Using Water Quality Models to investigate lag-times for Nitrogen Load Reductions in SE Irish Catchments**
Russell Adams, et.al., (*Teagasc*)
- 15:20 **Discussion**

15:40 **Comfort Break**

Session IV: Planning and Quality Assurance

- 16:00 **Developing a Hydrometric Data QA Tool for DfI Rivers in Northern Ireland**
Ed Malone & D. Chapman (*Jacobs Consulting*)
- 16:20 **The practicalities of applying catchment planning principles at scale**
Joshua E. Robbins (*The River Restoration Centre*)
- 16:40 **Discussion**
- 17:00 **Close**

09:00 – 15:30 Poster Exhibition

Posters will be on display in the exhibition area all day during the breaks in the conference programme.

Registration / Further Information

To register to attend the conference or to request further information, please complete the registration form and return (with payment to confirm a booking) to:

Contact: IHP/ICID Secretariat,
Office of Public Works, Head Office,
Trim,
Co. Meath, Ireland.
Tel: 046 942 2472
E-mail: nhc@opw.ie

All payments to be made by Electronic Fund Transfer (EFT)
BIC - DABAIE2D
IBAN - IE91DABA95167890052841
Please send remittance to receipts@opw.ie and reference the National Hydrology Conference.

Registration Form

Name:

Job Title:

Organisation:

Address:

Purchase Order No. (if applicable):

Tel:

Fax:

E-mail: