



Irish National Hydrology Conference 2015

Final Announcement

Data and Sustainability

Tuesday, 17th November 2015

Hodson Bay Hotel
Athlone, Co. Westmeath

Introduction

The National Committees of the IHP/ICID invite you to Athlone for the 16th National Hydrology Conference to be held on Tuesday 17th November 2015 at the Hodson Bay Hotel. 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 issues.

Organisers

International Hydrological Programme (IHP)

The UNESCO international scientific co-operative programme in hydrology and water resources, the 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 and 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.

Main Topics

Hydrological data is crucial for understanding historical conditions and predicting future changes in catchment systems. This information is crucial for the provision of environmentally sustainable catchment wide solutions and for the future proofing of such solutions. New methods of data acquisition, such as from satellites, are increasingly being used alongside more conventional methods of data collection and analysis.

The conference will address, through papers/posters, issues relating to Hydrology under the following headings:

- ◆ Hydrological Data Acquisition
- ◆ Flood Risk Management
- ◆ Statistical Hydrology
- ◆ Hydrology and Environmental Sustainability

Details are given in the conference programme on the following page.

Conference Booking & Costs

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). The cost of attendance at the Conference is €120 per person (with a limited Student rate of €40), which includes a Book of Proceedings on USB key, refreshments and lunch. Invoices will be issued following receipt of registration forms requesting the reservation of a place. Receipts will only be issued upon demand.

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





Irish National Hydrology Conference 2015

Conference Programme

09:00 Conference Registration (Tea, Coffee & Pastries)

10:00 Welcome - **Simon Harris** T.D., Minister of State with special responsibility for the Office of Public Works (OPW)

Session 1: Hydrological Data Acquisition

10:20 Past, Current and Future Satellite Missions and their application to Irish Hydrology
Dr. Fiachra E. O'Loughlin (University of Bristol)

10:35 A Passive Proportional Sampler to Monitor Overland Flow
Declan Ryan (Teagasc)

11:15 Conference Poster Presentations
Brief Introductions to posters on display in the exhibition area

11:30 Discussion - Tea/Coffee

Session 2: Flood Risk Management

12:20 Mechanism of coastal and fluvial flooding in Cork City
Dr. Agnieszka Indiana Olbert (NUI Galway)

12:40 Natural flood risk management in Urban Creeks
Dr. Sangaralingam Ahilan (University of Leeds)

13:00 The Implementation of a Flood Defence Scheme in an Urban Environment
Joseph McCarthy (Arup)

13:20 Discussion - Lunch

Session 3: Statistical Hydrology

14:30 How rare the ongoing drought?
Dr. Duncan W Reed (DWRconsult)

14:50 A Statistical Assessment of the Small Catchment (<30 km²) Hydrometric Network in Ireland
Dr. Paul Hynds (DIT)

15:10 Discussion

15:20 Comfort Break

Session 4: Hydrology and Environmental Sustainability

15:35 The Role of Hydrology in Restoring Ireland's Raised Bogs
Francis Mackin (RPS)

15:55 Understanding hydrological flow paths in conceptual catchment models to improve water quality modelling
Dr. Eva M. Mockler (UCD)

16:15 Discussion

16:30 Close

09:00 – 15:30 Poster Exhibition

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

Registration

To register, please complete the registration form and return (with payment to confirm a booking) to:

Contact: Fasil Gebre,
Office of Public Works,
Head Office,
Trim, Co. Meath, Ireland.

Tel: 046 942 6423

Fax: 046 943 8459

Email: fasil.gebre@opw.ie

Cheques should be made payable to:
The Office of Public Works

Registration Form

Name:

Job Title:

Organisation:

Address:

Purchase Order No. (if applicable):

Tel:

Fax:

Email: