

## REGISTRATION FORM

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Organisation: .....

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To register, please complete the registration form and return to:

**Oliver Nicholson**  
**Office of Public Works**  
**Jonathan Swift Street**  
**Trim, Co. Meath**

To register by email, Please include the details as noted in the registration form above, (if applicable include details of purchase order number) and send to:

[oliver.nicholson@opw.ie](mailto:oliver.nicholson@opw.ie)

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

Other contact details:

**Telephone: (046) 94 26737**

**Fax: (046) 94 38459**

**Website: [www.opw.ie/hydrology](http://www.opw.ie/hydrology)**

## 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.

### The Netherlands National Committee IHP-HWRP

The Dutch contribution to the International Hydrological Programme (IHP) of UNESCO is coordinated by the Netherlands' National Committee for the IHP and the Hydrology and Water Resources Programme (HWRP) of WMO. The Committee is an interdepartmental advisory commission of two Dutch ministries, the Ministry of Transport, Public Works and Water Management (V&W) and the Ministry of Education, Culture and Science (OCW). The Committee is advised by a scientific advisory board, which is formed by key hydrological scientists from all the relevant Dutch institutions.

**Supported by: IAHR, IAHS, Engineers Ireland**



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APPROVED EVENT

**Co-organised with:**



The Netherlands National Committee  
IHP-HWRP

## FINAL ANNOUNCEMENT

# IRISH NATIONAL HYDROLOGY CONFERENCE 2010

**Tuesday, 16<sup>th</sup> November,  
2010**

**Radisson Blu Hotel, Athlone,  
Co. Westmeath**

**Organised by the Irish Joint National  
Committees of the IHP and the ICID in  
conjunction with the Netherlands  
National Committee IHP-HWRP**



ICID-CIID

## INTRODUCTION

The joint National Committees of the International Hydrological Programme and the International Commission on Irrigation and Drainage have the pleasure of inviting you to participate in the eleventh annual Irish National Hydrology Conference to be held on **Tuesday 16<sup>th</sup> November 2010** in the **Radisson Blu Hotel, Athlone**. The conference provides a unique forum for attendees to share policy developments, research results, and practical solutions to engineering hydrology issues. This year's conference will encompass a wide range of developments in the fields of surface water and groundwater hydrology.

## MAIN TOPICS

The conference will address a wide range of issues relating to hydrology and will draw on novel approaches in all aspects of hydrology, including:

- River Basin and Flood Risk Management.
- Water Resource Management and Policy.
- Community reactions to flood events
- Case Studies in Flood Management
- Groundwater Hydrology
- Water Quality Monitoring

The papers to be presented will demonstrate how the outcomes of recent hydrological research are being implemented by practitioners.

## CONFERENCE BOOKINGS AND COST

Places are allocated on a first-come basis, and **pre-booking is essential** (using the form provided overleaf). The cost of attendance at the conference is €120 per person (with a student rate of €40), including a CD-ROM of the papers, 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 **11<sup>th</sup> November**.

## CONFERENCE PROGRAMME

### 9:00 REGISTRATION (Tea, Coffee and Pastries)

10:00 Welcome – **Dr. Martin Mansergh T.D.**, Minister of State at the Department of Finance (with special responsibility for the Office of Public Works)

### SESSION 1: OVERVIEW

#### 10:20 Keynote Paper: Dutch water management and values of nature

**Michael van der Valk**, Scientific Secretary of the Netherlands National Committee IHP-HWRP.

#### 10:50 Comment on the November 2009 flooding in the Shannon and Corrib Systems

**Anthony Cawley** (Hydro Environmental Ltd.)  
**Conleth Cunnane** (Dept. of Engineering Hydrology, NUIG)

#### 11:00 Poster Presentations

Short introductions to posters on display in the exhibition area.

11:20 Discussion

**11:30 Tea/Coffee**

### SESSION 2: MONITORING OF WATER QUALITY

#### 12:00 Turbidity, suspended sediment concentrations and fluxes for the River Owenabue in the South Western River Basin District (SWRBD), Ireland

**Seán Harrington**, Joseph Harrington (C.I.T.)

#### 12:20 Mass balance modelling of drug consumption using water monitoring

**Yuliya Vystavna** (University of Bordeaux, and Kharkiv National Academy of Municipal Economy, Ukraine), **Grynenko V.**, (Kharkiv National Academy of Municipal Economy, Huneau F., Le Coustumer P. (University of Bordeaux, France)

#### 12:40 Investigating flow and contaminant pathways through the landscape to rivers using chemical hydrograph separation

**Jenny Deakin**, **Bruce Misstear**, **R. O'Brien** (TCD) **L. Crockford**, and **R. Flynn** (QUB)

13:00 Discussion

**13:10 Lunch**

## Afternoon Sessions

### SESSION 3: PLUVIAL FLOOD MAPPING

#### 14:20 National Pluvial Flood Mapping for all Ireland - the modelling approach

**Richard Kellagher**, **Mike Panzeri**, **Julien L'Homme**, **Yannick Cesses**, **Ben Gouldby** (HR Wallingford) **John Martin**, **Oliver Nicholson**, **Mark Adamson** (OPW)

#### 14:40 Development of the surface water flood map for Northern Ireland

**David Porter**, **Malcolm Calvert**, **David Henderson** (Rivers Agency) **Barry Hankin** (JBA Consulting) **Simon Wells** (WDR & RT Taggart)

15:00 Discussion

**15:10 Tea/Coffee**

### SESSION 4: CATCHMENT FLOOD MANAGEMENT

#### 15:40 The Lee Catchment Flood Risk Management Plan

**Clare Dewar**, **Jenny Pickles**, **Paul Dunne**, **Sharon Duggan**, (**Halcrow**); **John Martin** (OPW)

#### 16:00 Quantifying flood risk from groundwater sources: a national approach for Ireland?

**Maxine Zaidman**, **Mark Morris** (JBA Consulting)

16:20 Discussion and 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. The final list of posters will be provided to delegates on the morning of the conference. The posters will cover the areas of catchment flood risk management river modelling, flood studies update, remote sensing, and groundwater hydrology amongst others.