

IRISH NATIONAL HYDROLOGY CONFERENCE 2016

Tuesday, 15th November 2016

INTRODUCTION

The joint National Committees of the International Hydrological Programme and the International Commission on Irrigation and Drainage have the pleasure of welcoming you to the 17th annual Irish National Hydrology Conference being held on Tuesday 15th November 2016 in The Hodson Bay Hotel. The conference provides a unique forum for attendees to share policy developments, research results, and practical solutions to engineering hydrology issues.

MAIN TOPICS

The conference will address, through papers and posters, a wide range of issues relating to hydrology under the following headings:

- Climate Modelling
- Water Quality Management/Groundwater
- Fluvial and Groudwater Flooding
- Catchment Modelling/Forecasting

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

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.

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SESSION 1: CLIMATE MODELLING

- 01 – High Resolution Regional Reanalysis over Ireland Using the HARMONIE NWP System**
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- 02 – Future Water Vulnerability in Ireland: An Integrated Water Resources, Climate and Land Use Changes Model**
Salem Gharbia, Laurence Gill and Paul Johnston (*Trinity College Dublin*), Francesco Pilla (*University College Dublin*) 9

SESSION 2: WATER QUALITY MANAGEMENT/GROUNDWATER

- 03 – Contamination Fingerprinting Techniques: Examining The Impact of Domestic Wastewater Treatment Systems on Private Wells and Surface Water**
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- 04 – Modelling Quantified Microbial Source Specific Pollution from Domestic Wastewater Treatment Systems During High Flows**
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- 05 – Assessing the Conservation Status of GWDTES Under the Habitats Directive and Water Framework Directive: A Case Study from Tory Hill Fen SAC**
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