



"Groundwater – A New Framework"

Programme - 29th Annual IAH Groundwater Conference

Tullamore Court Hotel, Tullamore, Co. Offaly 21st & 22nd April 2009



The International Association of Hydrogeologists (IAH) was founded in 1956 to promote co-operation amongst hydrogeologists, to advance the science of hydrogeology world wide, and to facilitate the international exchange of information on groundwater. The IAH is a worldwide scientific and educational organisation with more than 3,500 members in 135 countries. The Irish Group of the IAH was started in 1976 and has over 130 members. It hosts a well-attended, annual groundwater conference in the Irish Midlands, and holds technical discussion meetings on the first Tuesday of every month between October and June, at the Geological Survey of Ireland in Dublin. More details on becoming a member of the IAH, current committee members and their contact details, conference registration form and much more can be found on the IAH (Irish Group) website www.iah-ireland.org. It is expected that the topical issues of this year's conference will be of great interest to local authority engineers, planning officials, environmental scientists, public health officials, consultants, architects and hydrogeologists.

Day 1, 21st April – Sessions 1 -3

Day 1 Session 1: New Regulation & Water Framework Directive 1

8.15 – 9.15 Conference Registration

- 9.30 Welcome:** Paul Johnston, Trinity College Dublin & President IAH Irish Group.
- 9.35 Conference Opening:** John Chilton, Executive Manager, IAH Secretariat, IAH International.
- 9.50 The New Groundwater Regulations 2009**
Dr. Colin Byrne, Water Inspectorate, Department of Environment, Heritage and Local Government.
- 10.20 Chemical and Quantitative Status of Groundwater Bodies: A measure of the present; a signpost to the future**
Donal Daly & Matthew Craig, Hydrometric & Groundwater Section, EPA.
- 11.10** Coffee & Tea: Visit Exhibitor Stands
- 11.40 Practical implementation by Local Authorities of the WFD with respect to Groundwater**
Ray Spain (SERBD, Carlow County Council) & Grace Glasgow (RPS Group, Belfast).
- 12.00 The Water Framework Directive and the Groundwater Information Renaissance**
Natalya Hunter Williams (GSI), Donal Daly (EPA), Matthew Craig (EPA), Monica Lee (GSI).
- 12.20** Discussion, Questions & Answers
- 12.45** Lunch

Day 1 Session 2: Water Framework Directive 2: Outputs

- 2.00 Technical Guidance Towards Groundwater Abstraction Licensing in Ireland**
Henning Moe (CDM)
- 2.20 Status Classification of Groundwater Bodies Containing Closed Mine Sites for the Water Framework Directive.**
Gerry Stanley and Eibhlin Doyle (GSI)
- 2.40 Spring into Action - Spring and Streamflow Monitoring to Meet Water Framework Directive and Related Hydrometric Requirements.**
Stewart Child, Hydro-Logic
- 3.00 Groundwater Status and the Link to Regulation at the Site Scale – a Scottish Perspective**
Vincent Fitzsimons (SEPA)
- 3.20** Discussion, Questions & Answers
- 3.40** Coffee & Tea: Visit Exhibitor Stands



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Day 1 Session 3: On Site Wastewater Treatment & Discharge to Groundwater

4.15 Large Scale Discharges to Groundwater: Risk Mapping & Framework for Site Assessments.
Paddy Kavanagh, Tommy Bree & Rose Walsh, ESBI & WRBD.

4.40 The new "Code of Practice Wastewater Treatment & Disposal Systems Serving Single Houses".
Margaret Keegan, EPA.

5.05 Discussion, Questions & Answers

5.30 Close of Day 1

7.30 IAH sponsored Meal & Social Event at Local Restaurant

Day 2, 22nd April – Sessions 4 & 5

Day 2 Session 4: Karst Hydrogeology

9.30 Some Aspects of the Hydrogeology of the Carboniferous Limestone in Ireland
Dr. David Drew, Trinity College Dublin

9.55 Origin, transport & monitoring of particles and microbial contaminants in karst aquifer systems
Dr. Nico Goldscheider, University of Neuchâtel, Switzerland

10.15 Groundwater Dependent Terrestrial Ecosystems
1: Hydrology & Hydrogeology of Turloughs: How Turloughs Fill & Drain
Presented by Paul Johnston, Trinity College Dublin
Authors: Johnston, P., Naughton, O., Gill, L. (Trinity College Dublin)

2: Turlough Water Quality and Implications for Groundwater Management
Presented by Dr. Catherine Coxon, Trinity College Dublin
Authors: Pereira, H., Coxon, C. and Allott, N. (Trinity College Dublin)

10.45 Discussion, Questions & Answers

11.00 Coffee & Tea: Visit Exhibitor Stands

Day 2 Session 5: Groundwater as a Source of Water Supply

11.30 Protecting the Source: Challenges for Communities in Groundwater Zones
Brian Mac Domhnaill, National Federation of Groundwater Schemes

11.50 Determining the Sustainable Yield of Groundwater Supplies
Gerry Baker, WYG Ireland

12.10 Has Groundwater a Role In Supplying Dublin's Water Needs?
Kevin Cullen, Consultant

12.30 Discussion, Questions & Answers

12.45 Conference Closing Address

1.00 Lunch