

RESOURCE IRELAND 2010 – WATER

Movement & Quality - Challenges for Water in Ireland

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5th International Workshops for Water & Sustainability

13th & 14th October 2010, Simmonscourt RDS, Dublin 4, Ireland

“Movement & Quality - Challenges for Water in Ireland”

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In Conjunction with:



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13TH OCTOBER 2010

10.00	Registration & Morning Coffee	Sponsored by: Faversham House
10.20	Chairperson Opening Address – Dr. Shirley Gallagher, Manager, CleanTech Network	
Session 1	THE CORNER STONE – FINANCING	

Session Moderator: TBC

- 10.30 Smart Economy – How to fund the Water Gap?**
With Ireland being in the throes of EC fines, and the first major step in the water framework directive (WFD) coming down the track in 2015, funding is critical to implement the programme of measures, meet our commitments to Europe and to ourselves.
Speaker – Kevin Murray, Principal, Kevin J Murray Ltd.
- 11.00 PANEL DISCUSSION: National Water Authority of Ireland?**
The panel explores the idea of a semi-state authority for water in Ireland. Removing more power from local politics and the consequences both negative and positive will be examined in depth by the panelists.
Chairman: Kevin Murray, Principal, Kevin J Murray Ltd.
Patrick Buckley, Director, EPS Group
Sinead O'Brien, Manager, Sustainable Water Network (SWAN)
Vincent Power, Solicitor, A&L Goodbody
Declan White, Business Development Manager, Veolia Water Ireland
Questions & Answers
If you would like to submit a question to the panel please e-mail it to speakers@cleantech.ie

11.50	Coffee Break	Sponsored by: Faversham House
Session 2	METERING	

Session Moderator: Shirley Gallagher, Managing Director, SysPro

- 12.10 Water Poverty – A Key Issue in Domestic Metering**
With the next major step in the Water Framework Directive (WFD) coming down the track in 2015, together with the consequences of global warming and climate change, water metering of domestic properties is required. Eaga explores innovative technology programmes and schemes that engage the domestic customer in order to help reduce consumption, debt, water poverty and suggests a national approach for the management of water in Ireland.
Speaker – Fiona Tutty, Business Development Executive, Eaga Ireland
- 12.40 Commercial Water Metering in Dublin**
The use of water meters and transforming the network into a truly smart infrastructure will be explored by Roland Steinmetz as we look at a new era emerging as a smarter era.
Speaker – Roland Hofmann, Sales Manager, Hydrometer/GMC Dublin
- 13.00 CASE STUDY: Reducing Domestic Water Demand via Passive Rainwater Harvesting**
The demand for potable water in homes can be substantially reduced using rainwater. The design and efficiency of a system that can passively collect, filter, store, distribute and monitor rainwater is presented. A current case study where RoofChute Ltd. is installing their passive rainwater harvesting system in 32 apartments for Cork City Council is presented. The presenter will show how the system installation can be tailored to meet the needs of refurbishment projects and operate in a manner that is transparent to the domestic user.
Speaker – Dr. Colm Cryan, Lecturer, Dept. of Materials, University of Limerick, Limerick
Questions & Answers
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13.30	Lunch
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Session 3 QUALITY OF WATER – WASTEWATER TREATMENT

Session Moderator: Patrick Buckley, Director, EPS Group

14.00 **Electrochemically activated solutions from the oilfields of Tashkent to Industrial Ireland**

Disinfection by electrochemically activated solutions for bio film and *Legionella* control. An overview of achievements in water quality and hygiene in a number of sectors in Ireland and abroad, using a minimum chemical approach.

Speaker – Dr. Ronnie Russell, Senior Lecturer, Dept. of Microbiology, Trinity College, Dublin

14.30 **Proposal for a sustainable Zero – Wastewater Management Policy**

Can we take waste out of wastewater?

Speaker – Ollan Herr, Managing Director, HBX

15.00 **Novel Treatment of Stormwater**

Trojan UV, a subsidiary of Danaher cooperation explores the need for R&D to enable them to be leaders in the UV treatment; George Savenije will examine disinfection of Stormwater Overflows. The penetration of UV light guarantees a way of treating stormwater which meets the shellfish directive.

Speaker – George Savenije, Sales Director, EPS Group/Trojan UV

Questions & Answers

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15.30	Coffee Break	Sponsored by: Faversham House
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Close of Conference Day 1

19.30	Drinks Reception	Sponsored by Sentaca
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20:30	CLEANTECH NETWORK GALA DINNER Thomas Prior Hall, Bewleys Hotel, Ballsbridge, D4
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Session 4	MOVEMENT
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10.45 **PANEL DISCUSSION: Should the River Shannon go to Dublin?**
The long-term water needs of the Dublin region have been examined since 2004. The strategic environment assessment (SEA) carried out in 2008/9 established 10 potential water sources. One is the River Shannon. The panellists will examine the practicalities and requirements as well as a solution for Dublin City Water supply and its inhabitants.

Chairman – Prof. John Sweeney, NUI Maynooth

Gerry Geoghegan, Project Manager – Civil Engineering, RPS Group
Colm O’Gogain, Director of Strategic Infrastructure, Bord na Mona
Tom Leahy, Engineer, Executive Manager – Engineering, Dublin City Council
Dr. Edgar Morgenroth, ESRI

Questions & Answers

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11.45	Coffee Break	Sponsored by: Faversham House
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Session 5	MANAGEMENT
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Session Moderator: Colm Hyland, Director, HOSCA

12.00 **The Spirit of Ireland – Using Water as a Strategic Economic Resource**
Hydro electro power combined with Wind Energy; can the movement of water be our energy solution? The concept of the Spirit of Ireland is progressing through due diligence and we explore the future with and without the project.

Speaker – Alan Costello, Director, Ruby Consulting

12.30 **CASE STUDY: Flood Management**
Lessons Learnt
Speaker – Noel O’Keefe, County Engineer, Cork County Council

Questions & Answers

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13.00	Lunch
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13.45 **Exhibition Winner of Environment Innovation Award**
Judges and Delegates Vote on the most innovative product and stand at the show.
Presenter – Nicola Smith, Marketing Manager, Faversham House

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Session 6	SAVINGS
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Session Moderator: TBC

14.00 **Energy Management in the Water Industry**

The activation energy or seed capital required to make cost savings in the water industry by applying energy management will be examined as a strategy for success - a case study.

Speaker – Paul Kenny, Senior Energy Consultant, Tipperary Energy Agency

14.30 **Rainwater Harvesting – Economic & Physical Practicalities for the Domestic Market**

With an impending introduction of domestic water charges in Ireland, is rainwater harvesting the answer to reducing water charges? This paper examines the practicalities of installing rainwater harvesting systems in existing homes. The likely yield of rainwater systems based on geographical location and rainfall statistics will be examined as well as pay-back periods-based on current non-domestic water charges. It will provide information on whole life costing and the practicalities of retro-fitting existing homes with rainwater harvesting systems.

Speaker – Tony Cain, Senior Engineer, H2O Consulting

Questions & Answers

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15.00	Coffee Break
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Sponsored by: Faversham House

15.30 **Close of conference**