

UK Innovation Potential in Advanced Water Treatment: Future Directions & Strategy 3rd Participatory Workshop Program

Wednesday 21st March 2012
James Clerk Maxwell Building (JCMB), Teaching Studio 3217
King's Buildings, Edinburgh University

WORKSHOP AIMS

- ◆ Establish what the water industry can learn from the power industry in terms of regulation, policy and stimulation of innovation
- ◆ Identify the potential of the water-energy nexus dilemma in advanced water treatment innovation
- ◆ Present international experience on energy consumption in advanced water treatment (in particular unit operations in water reuse and desalination) as well as mechanisms to monitor and improve this consumption

WORKSHOP PROGRAMME

8.45 a.m.	Welcome & Introduction of speakers, attendees and agenda Prof Andrea Schäfer	University of Edinburgh
	SESSION 1: WATER – ENERGY NEXUS IN THE UK CONTEXT	
9.00 a.m.	Water – Energy Nexus: A Long Term Perspective Prof Lord Ron Oxburgh (TBC)	
9.30 a.m.	UKWIR Priorities in Water & Energy Dr Hans Jensen	UKWIR
9.50 a.m.	An Introduction to Energy Regulation Dr Keith Bell	Strathclyde University
9.50 a.m.	Stimulation of Innovation through Energy Regulation Anthony Mungall / Sam Cope (TBC)	OFGEM
10.30 a.m.	Questions & Open Discussion	All Participants
11.00 a.m.	Morning Tea	
11.30 a.m.	Hydro Nation: Motivation & Public Consultation Outcomes Jon Rathjen	Scottish Government
11.50 p.m.	Water & Energy from the Regulatory Perspective Sue Petch	DWQR
12.10 p.m.	Hydranation: Where do we stand with Scottish Water? George Ponton (TBC)	Scottish Water
12.30 p.m.	Questions & Open Discussion	All Participants
12.45 p.m.	LUNCH – The Magnet Café	
	SESSION 2: WATER – ENERGY NEXUS IN THE GLOBAL CONTEXT	
1.30 p.m.	Renewable Energy Powered Desalination Prof Bryce Richards	Heriot Watt University
2.00 p.m.	Water and Energy in Desalination in Israel Prof Jack Gilron	Ben Gurion University Israel
2.30 p.m.	Understanding membrane / solution interactions to optimize the nanofiltration process Prof Anthony Szymczyk	University Rennes France
3.00 p.m.	Thames Water Desalination Plant Brian Moore (TBC)	Thames Water
3.30 p.m.	Afternoon Tea	
4.00 p.m.	Questions & Open Discussion	All Participants
5.00	FINAL DISCUSSION: Where to from here: An Action Plan for Water Innovation	All
5.30 latest	CLOSE	

Workshop Organizing Committee

**Prof Andrea
I. Schäfer**

University of
Edinburgh



Diane Duncan



**Dr Hans
Jensen**

UKWIR



Matt Bower
Drinking Water Quality
Regulator



Workshop Funding



George Ponton
Scottish Water



Prof Gordon Hughes



**Prof Bryce
Richards**

University of
Edinburgh



Workshop Report

The Report of the 1st workshop in the Series held on 30 June 2011 is published on the Edinburgh Research Archive: <http://www.era.lib.ed.ac.uk/handle/1842/5012>

The Report of the 2nd workshop in the Series held on 6 December 2011 is published on the Edinburgh Research Archive: <http://www.era.lib.ed.ac.uk/handle/1842/5807>

Registration

Please register with contact details & affiliation by 14 March 2012 notifying dietary requirements and requesting parking permits for King's Buildings

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Places are limited and your participation at this free event is incurring costs – please do give 48 hours notice out of courtesy should you need to cancellation your attendance.

Due to the strategic nature of this workshop this is not an event suitable for the participation of research students and we hence request that students do not register for the event.