

Environment Ireland® 2012

Environment Ireland®, now in its eighth year, is Ireland's major annual conference on environmental policy and management. The conference is organised in association with the Environmental Protection Agency (EPA) and the Department of Environment, Community and Local Government. The conference is attended each year by delegates representing all the main sectors with an interest in Ireland's environment, including many from Great Britain and Northern Ireland.

Environment Ireland provides an important opportunity for all the key players in the environment sector to come together for networking and discussion. Away from the formal conference sessions, there is ample opportunity for delegates to meet and do business in the margins of the conference, particularly in the lively exhibition area and during the many networking breaks scheduled throughout the conference programme.

The theme of this year's conference is '**The environment and the economy**' and speakers will examine the contribution the environment sector can make to economic recovery, and the importance of Ireland's clean, green, environment in a number of growth industries including tourism and agriculture. Other key issues addressed in the programme will include waste management, planning, environmental regulation, water reform, transport and climate change. These issues will be explored through an expert panel of local and visiting speakers.

Workshop 1: Towards a green economic recovery

11.30am Suite 681/682 (6th floor)

ENERGY: Capturing the economic benefits from renewable energy
Brian Britton, Secretary, NOW Ireland (National Offshore Wind Association)

AGRICULTURE: Taking a sustainable approach to operating an agri-food business
Sean Molloy, Director of Strategy Glanbia

TOURISM: Marketing Ireland as a green, clean holiday destination
Shaun Quinn, Chief Executive Failte Ireland

TECHNOLOGY: Green data centres
Stephen Boden, Data Centre Services Specialist, IBM (*invited*)

Questions & answers / panel discussion

Workshop 2: Exploring climate adaptation & flood risk management

11.30am Suite 679/680 (6th floor)

Chair & introduction
Michael Ewing, Environmental Pillar

Understanding the potential future impact of climate change on Ireland
Conor Murphy, Department of Geography, NUI Maynooth

National Climate Change Adaptation Framework
Noel Casserly, Climate Change Policy, Department of Environment, Community & Local Government

Planning and flood risk management
Henk van der Kamp, Head of School of Spatial Planning Dublin Institute of Technology

Planning for and managing flood risk
Tom Leahy, Executive Manager, Engineering, Dublin City Council

Questions & answers / panel discussion

Workshop 3: Transport and the environment

2.00pm Suite 681/682 (6th floor)

Transport greenhouse gas emissions: Examining key drivers and 2020 projections
Eimear Cotter, Senior Manager Environmental Protection Agency

Exploring the technology options for a low carbon transport future
Dr Aoife Foley, Lecturer, School of Mechanical & Aerospace Engineering Queen's University, Belfast

Strategy for a low carbon transport future for Scotland
John Curtis, Team Principal, That Friday Feeling transport consultancy & former Head of Low Carbon Vehicles & Fuels Transport Scotland

Questions & answers / panel discussion



Conference programme

09.00 The environment and the economy: A key priority

Chair: **Fiona Quinn**, Principal Officer, Department of Environment, Community & Local Government



Phil Hogan



Alex Attwood

MINISTERIAL ADDRESSES

Towards a sustainable future for Ireland

Phil Hogan, TD, Minister for Environment, Community and Local Government

Addressing Northern Ireland's environmental policy priorities

Alex Attwood, MLA, Minister for the Environment, Northern Ireland

State of Ireland's Environment: 2012 report

Laura Burke, Director General, Environmental Protection Agency

Adapting to climate change across Europe

Humberto Delgado Rosa, Director, Mainstreaming Adaptation & Low Carbon Technology, DG Clima

KEYNOTE ADDRESS

Resource revolution: Meeting the world's energy, materials, food and water needs

Jeremy Oppenheim, Director, McKinsey & Company

Questions & answers / panel discussion

11.00 Morning coffee / networking break & exhibition viewing

11.30 Developing a regulatory framework for sustainable economic growth

Delivering better environmental regulation for Scotland

James Curran, Chief Executive, Scottish Environmental Protection Agency

A new approach to environmental regulation?

Professor Sharon Turner, School of Law, Queen's University, Belfast

Planning for a sustainable economic future

Mary Kelly, Chairperson, An Bord Pleanála (*invited*)

11.30 Workshop 1: Towards a green economic recovery

Runs concurrent to
plenary session
See page 2 for details

Waste policy: A resource for economic recovery

Waste policy for the decade ahead

Ronan Mulhall, Principal Officer, Waste Policy,
Department of Environment, Community & Local Government

Growing sustainably: Preventing waste

Dr Jonathan Derham, Environmental Protection Agency

Question and answers / panel discussion

11.30 Workshop 2: Exploring climate adaptation & flood risk management

Runs concurrent to
plenary session
See page 2 for details

13.00 Networking lunch

14.00 Looking to the future of Ireland's water sector

Chair: **Micheál Ó Cinnéide**

Director, Environmental Protection Agency

Developments in water sector reform

Mark Griffin, Assistant Secretary, Department of Environment
Communities & Local Government

Practicalities of establishing Irish Water

Deborah Spence, Partner, & **Jenny Fisher**, Partner, Arthur Cox

The role of Irish water in creating a more efficient and integrated water system for Ireland

John Mullins, Group Chief Executive, Bord Gáis

Delivering effective economic regulation of water

Cathy Mannion, Director, Commission for Energy Regulation

Questions & answers / Panel discussion

14.00 Workshop 3: Transport and the environment

Runs concurrent to
plenary session
See page 2 for details

16.30 Chairman's summary and conference close

Speaker panel and exhibition opportunities



Alex Attwood is Minister of the Environment and MLA for West Belfast. He was formerly a Councillor on Belfast City Council from 1985 until 2005. He served on the Policing Board of Northern Ireland twice and was Minister for Social Development in the last Executive. He is a solicitor by training. The Minister's responsibilities include planning control, environmental and heritage protection, waste management and pollution policies, local government (and its reform), road safety, transport licensing and enforcement, driver and vehicle testing and licensing.



Brian Britton is a founder and general secretary of the National Offshore Wind Energy Association of Ireland (NOW Ireland). He has been to the forefront in developing the offshore wind energy sector in Ireland, as Managing Director of Oriel Windfarm Limited. Completion of the Oriel Windfarm will see 330MW of renewable energy delivered into the Irish Grid. Brian has managed this €1.15 billion project from inception, including raising investment capital and steering it through the regulatory approval process.



Laura Burke was appointed by the Minister for the Environment as Director General of the Environmental Protection Agency (EPA) in November 2011. Laura joined the EPA in 2004, as the Director of the EPA's Office of Communications and Corporate Services. She took over the position of Director of the EPA's Office of Climate, Licensing and Resource use in August 2008. Laura is a Chemical Engineering graduate from University College Dublin and holds an MSc from Trinity College Dublin. Before joining the EPA in September 2004, Laura worked in the private sector, mainly in waste management.



Eimear Cotter is a Senior Manager in the Environmental Protection Agency. She manages the reporting of national air emission inventories and projections to the EU and UN. She also has responsibility for managing Ireland's National Emissions Trading Registry. She holds a Bachelors degree from Trinity College Dublin in Science and a Ph.D in Chemistry from Oxford University.



James Curran was appointed Chief Executive of the Scottish Environmental Protection Agency in 2012, having previously been Director of Science and Strategy. He has worked in environmental science and environmental regulation for 30 years. He has undertaken studies in hydrometeorology, numerical modelling of dispersion in marine waters, and water resources management as well as a spell of direct regulatory enforcement with agricultural and industrial businesses.



John Curtis is the Team Principal at That Friday Feeling Ltd, a Scottish company working with the private and public sector to deploy new and emerging sustainable transport technology. His work involves low carbon vehicles, biofuels, hydrogen, electric and alternative fuelling infrastructure. Previously, John worked as the Head of Low Carbon Vehicles and Fuels at the Scottish Government providing strategic direction and advice to Scottish Ministers on a wide range of sustainable transport initiatives.



Jonathan Derham who is an NUI graduate, has 22 years experience in waste management and industrial regulation, both in the public and private sector nationally and internationally. He joined the EPA in 1995, has been involved in regulatory aspects of most of the major waste infrastructure in the State. He is currently active in the national and EU waste policy areas.



Michael Ewing is the Coordinator of the Environmental Pillar, a coalition of 27 national environmental NGOs and of the Irish Environmental Network. From 2006-2008 he led an EPA-funded research team at the Centre for Sustainability at the Institute of Technology, Sligo, investigating the state of environmental democracy in Ireland. He has also worked as a facilitator and as a consultant in the fields of environmental governance and ecology.



Jenny Fisher is a Partner at Arthur Cox. She is an infrastructure and procurement specialist and advises both awarding authorities and private sector consortia on developing major projects in Ireland and the UK. She has particular experience in PPPs in the waste, roads, education and accommodation sectors. Jenny is lead legal adviser to arc21 on its residual waste treatment project and a founding member of Arthur Cox's water group.



Dr Aoife Foley is a Lecturer in Energy Systems in the School of Mechanical and Aerospace Engineering at Queen's University Belfast. In 2008 Aoife returned to academia fulltime as a Lecturer in University College Cork after 12 years in industry on infrastructure projects in energy, telecommunications, waste and manufacturing. She was awarded an Environmental Protection Agency Climate Change Research Fellowship in late 2009 and studied the impacts of electric vehicle deployment in Ireland. For her doctoral studies Aoife examined wind power integration using energy storage. She is currently Secretary of the IEEE Standards Association 2030.1 workgroup on electric vehicles.



Phil Hogan, TD is the Minister for Environment, Community and Local Government, having previously been Fine Gael spokesperson for the environment. He was elected to the Dáil in 1989 and has held a number of positions within the party including Parliamentary Party Chairman, Director of Organisation, Enterprise Spokesperson as well as consumer affairs, regional affairs and food industry positions. He served as Minister of State in the Department of Finance in the last Fine Gael Government and was the party's Director of Elections in the 2011 general election.



Tom Leahy is Executive Manager (Engineering) with Dublin City Council in charge of water services, strategic planning of water services and flood risk strategy for the city. He co-ordinates engineering input into major emergencies and delivery of a large city and regional infrastructural programme to improve water services. Over the last decade with particular reference to the flood risk strategy for Dublin he has delivered the Greater Dublin Strategic Drainage Study 2005-2031 and the Eastern River Basin Plan to implement the EU Water Framework Directive.



Cathy Mannon is Director of the Electricity Networks and Retail Division at the Commission for Energy Regulation. This division oversees the economic regulation and development of the electricity networks (transmission and distribution) in Ireland as well as approving charges for access to the networks and resolving disputes. The division is also responsible for developing policy in relation to network connection, with increased emphasis on connection of renewable generators. Cathy also heads up the National Smart Metering Project which will drive the future rollout of Smart Metering in Ireland. Prior to joining CER, Cathy held a number of positions in ESB and in the England and Wales market.



John Mullins was appointed Chief Executive of Bord Gáis in December 2007 and was also appointed to the Board in December 2007. Bord Gáis has been appointed to operate Irish Water as part of the Government programme to reform water services. John is a member of the Investment / Infrastructure Committee. He has held senior management positions with Greenstar, ESB, ESB International and PricewaterhouseCoopers and was Chief Executive of Bioverda, part of the NTR plc. Group prior to joining Bord Gáis. He is a Fellow of Engineers Ireland and is a member of the UCC Governing Body.



Conor Murphy is a lecturer in geography at the National University of Ireland, Maynooth and a member of the Irish Climate Analysis and Research Units (ICARUS). His research interests include climate change impacts and adaptation, particularly how uncertainty can be incorporated into the decision making process for adaptation. He has completed numerous projects on climate change nationally and has recently completed an EPA funded project called HydroDetect – examining evidence of climate change from river flow records.



Micheál Ó Cinnéide is Director of the EPA's Office of Environmental Assessment, with responsibility for monitoring, assessment and reporting on the general state of the environment, as well as funding of environmental research.



Jeremy Oppenheim is a Senior Partner of McKinsey & Company leading the global Sustainability and Resource Productivity Initiative (SRP), the firm's hub on green growth, resource productivity (water, energy, land-use, carbon) and the wider sustainability agenda. Prior to joining McKinsey, Jeremy worked at the World Bank for five years where he specialised in the macro-micro linkages between productivity growth, technology development, market design and fiscal policy/state role in the economy.



Deborah Spence is head of the Planning and Environment Group at Arthur Cox. She and her team advise on all aspects of planning and environmental law, including waste management liability, corporate regulatory compliance, contaminated sites liability, all aspects of permitting and licensing, environmental impact assessment and environmental and planning issues arising in major infrastructural projects.



Sharon Turner is a Professor in the School of Law at Queen's University, Belfast. She specialises in environmental law, particularly the EU and Irish dimensions (north and south). She is the lead author of the established text on environmental law in Northern Ireland. Sharon has spent time on secondment to the Department of the Environment during which time she acted as the Department's senior legal advisor on the environment. She is currently leading a research project around transforming environmental governance in Northern Ireland.



Henk van der Kamp is a practicing town planner and the Head of School of Spatial Planning in Dublin Institute of Technology. He has 30 years experience in professional planning practice in Ireland and has worked in Cork County Council, An Foras Forbartha, An Bord Pleanála, UCD and DIT.

Exhibition opportunities available

Enhance your organisation's profile at
Environment Ireland® 2012

Contact Brendan McClean on +353 (0) 1 661 3755
or email brendan.mcclean@bmfbusinessservices.com

Sponsorship opportunities available

There are still a small number of available sponsorship opportunities at Environment Ireland 2012®. Sponsorship of Ireland's leading annual environment conference is an excellent way for organisations to raise their profile with a key audience of policy-makers and decision-takers from across the environment sector. For further details or to discuss how your organisation can benefit from close association and involvement with Environment Ireland 2012, contact Sandra Bolan on +353 (0) 1 661 3755.

Environment Ireland® 2012: Getting there sustainably

Croke Park is situated in the north Dublin neighbourhood of Drumcondra, within walking distance of the city centre, and is accessible by public transport as follows:

By train

The closest railway station is Drumcondra at the intersection of Drumcondra Road (N1) and Clonliffe Road, a 5 minute walk from the stadium. This station is served by Arrow trains. The closest DART stations are Connolly and Clontarf. Connolly is a 15-20 minute walk and Clontarf a 20-25 minute walk to the stadium. The closest LUAS and Intercity Rail stop is also at Connolly Station.

For further information, visit www.irishrail.ie

By bus

From the city centre to Drumcondra Road - No 3, 11, 11a, 16, 16a, and 41.
From the city centre to Ballybough Road / Clonliffe Road - No 123.



For further information, visit www.dublinbus.ie

By bike

There are bike rails situated outside the Hogan entrance to Croke Park (on Jones' Road) for secure cycle parking.

Sustainable accommodation

The following hotels, in the vicinity of Croke Park, are members of the Green Hospitality programme which means they take positive steps to be as sustainable as possible in their operations, through reducing energy consumption, preserving water and minimising waste.

Hotel		Tel
Croke Park Hotel (pictured)	(within walking distance)	01 871 4444
Wynn's Hotel	(within walking distance)	01 874 5131
Hotel Isaacs	(within walking distance)	01 813 4700
Gibson Hotel (Point Village)		01 681 5000
Maldron Hotel (Cardiff Lane)		01 643 8500



For a full list of hotels in the Dublin area (including Dublin Airport) which are members of the Green Hospitality programme, go to www.ghaward.ie

There is a special rate of €109 bed & breakfast available for delegates in The Croke Park Hotel for the night of Wednesday 12th September. To avail of this reduced rate, contact hotel reservations directly on 01 871 4444 and quote reference 'BMFD130912.'

The Cúl Green story: The journey to a sustainable Croke Park

Cúl Green is an initiative launched in 2008 between the GAA and ESB Electric Ireland. This joint initiative has already succeeded in making Croke Park a carbon neutral stadium. Carbon neutral status was achieved through a major environmental overhaul at the stadium and through fans pledging reductions in their own carbon footprint.

Croke Park's environmental and sustainability improvements include:

- ✓ Introduction of an energy monitoring system
- ✓ Sourcing electricity from a renewable wind farm source
- ✓ Introduction of a stadium wide building management system to manage and operate lighting, electrical heating and air handling units more efficiently
- ✓ Use of motion sensitive lighting
- ✓ Introduction of recycling and composting facilities within the stadium – by the end of 2010 this had resulted in 54% of Croke Park's waste being diverted from landfill
- ✓ Use of valves in public toilets to reduce water use
- ✓ Procuring from suppliers committed to sustainability.



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