



World Congress
on Water, Climate
and Energy



The Convention Centre
Dublin, Ireland
May 13-18, 2012

CALL FOR PAPERS

IWA World Congress on Water, Climate and Energy

Papers Deadline – 15 September 2011




Dublin City
Baile Átha Cliath



MESSAGE FROM CONGRESS CHAIR

MESSAGE FROM CHAIRMAN

Céad Míle Fáilte (One Hundred Thousand Welcomes). On behalf of the Organising Committee of the IWA-WCE 2012 Congress, I warmly and very respectfully wish to welcome each participant to Ireland for a unique IWA inaugural Congress designed to address cohesively the urgent and challenging Water Climate Energy debate.

This congress comes at a crucial stage in the evolution of our understanding of the interaction of these subject areas, and for our preparation for the challenges of the future. It will provide for the first time an ideal global forum for the effective integration of fourth-level break-through research findings, innovative and leading edge technologies, valuable learning curve technical and business know-how and "conceptual" to "shovel-ready" business plans that are a mix of market and state/other support ventures and are being showcased at various stages along the business development curve.

Dublin, which is both an ultra-modern and a deeply historical European capital city, and is the European City of Science for 2012, offers an exceptionally conducive atmosphere for all participants to focus on their specific needs in the superb environment of the new Convention Centre Dublin. At the same time, the Congress will afford all participants the opportunity to contribute in a very constructive and meaningful way to perhaps a broader and longer-term debate surrounding the WCE nexus in a truly integrated and global manner.

In conjunction with our Northern Ireland colleagues we offer the renowned Irish hospitality and the opportunity to enjoy island-wide historical, cultural and technical tours and events from 13th to 18th May 2012.

We look forward to your participation,
Mr. Ray Earle
Chairman IWA World Congress on Water,
Climate and Energy 2012

MESSAGE FROM SCIENTIFIC COMMITTEE CHAIR

Water brings life but can also take it away. It is a key enabling component of mankind's existence on this planet and is inextricably linked with other important components such as energy and climate in a nexus that provides the environment in which we live. In the IWA World Congress on Water, Climate and Energy in Dublin in 2012, these links between water, energy and climate and their influence on our lives and environment will be explored and

ways will be sought of improving our knowledge, understanding and management of these critical elements of life. A select list of keynote plenary speakers will stimulate analysis and discussion and delegates will be able to present their own work to their peers in a wide range of specialist sessions.

Prof. Michael Bruen
Scientific Committee Chair



IWA WATER, CLIMATE AND ENERGY

The impacts of climate change are unavoidable and will significantly impact the water sector. There are dramatic changes needed to secure a sustainable future for the sector.

Adaptation to climate change challenges requires a paradigm shift as communities transition to more climate resilient systems. Many parts of the urban water sector are already grappling with climate change impacts and it is clear that solution will require new responses with increased level of collaboration and coordination.

The water and energy nexus transforms future expectations of the water sector. As the energy sector moves to increasingly environmentally sustainable fuel sources, there are associated implications on water resources and their management. The water and wastewater sectors represent approximately 3% of the global energy consumption, so new carbon and energy saving targets will inevitably impact the sector. Leaders of the field will come together in Dublin to explore the connections between the water and energy sectors; plus impact on environment.

LOCAL ORGANISING COMMITTEE

Ray Earle - Congress Chairman
Michael Bruen - University College Dublin
Don McEntee - Consultant Engineer
Tom Leahy - Dublin City Council
Alan Hooper - CDM, Ireland
Jerry Grant - RPS, Ireland
Sean Blacklocke - University College Dublin
Jimmy Kinahan - Engineers Ireland

PAPER SUBMISSIONS & CONGRESS PROGRAMME

CONGRESS OUTLINE

The Programme will cover a vast range of topics during the congress through;

- Plenary Sessions
- Workshops
- Thematic Sessions
- Poster Sessions
- Industry/Business Fora
- Dedicated Session(s) for Young Water Professionals (YWP)

Through the Paper Submission system, authors are invited to submit papers under any of the following suggested themes;

Climate Adaptation	Monitoring
Climate Change and Water Resources	Non-Structural Measures
Climate Change, Energy and Human Health	Policy, Politics, Legislation and Regulation
Climate, Energy and Water	Prepared Programme
Competition for Scarce Water	Remote Sensing
Developing World Issues	Stakeholder Communication and Response
Ecological Responses to Change	Technologies and Smart Networks- ICT Integration
Economics of Water	Waste Management, Water and Energy Implications
Environmental Sustainability	Water - Energy Nexus
FloodResilienCity Programme	Water, Agriculture and Food
Greenhouse Gas Mitigation and Renewable Energy	Water and Waste Utility Improvements
Integrated Governance of Water and Energy in a Changing Climate	Water Resources Management
Institutional & Regulatory Response	Water Treatment Technologies, Sustainability and Change
Management Information Systems / Reporting GIS and Databases	Water, Climate and Landscape Adaptation

Visit iwa-wcedublin.org/programme/ for further detail on each topic



HOW TO SUBMIT

The congress welcomes papers of all lengths, either an **extended abstract OR a full Paper**. Authors are requested to submit their paper/extended abstract through the online congress submission system.

Visit: www.iwa-wcedublin.org and click on the Paper Submission Tab. You will find all the information you require to create and submit your paper/extended abstract online.

Call for Papers opens: April 2011

Final Deadline for Submissions: 15th September 2011

REVIEW PROCESS

Submissions will be reviewed by the congress scientific committee. Authors may be requested to edit or amend their full work. Authors will be notified of the committee's decision whether selected for presentation and as oral or poster during the congress by November 2011.

PUBLICATION OF PAPERS

All presentations selected for the congress, both oral and poster, will be provided to delegates in CD format.

IWA Publishing will peer review a selection of the accepted congress submissions, with a view to publication in IWA Publishing's journals, including *Water Science and Technology*, *Journal of Water and Climate Change*, *Water Science and Technology: Water Supply* and *Water Practice and Technology*.

VISITING DUBLIN IN 2012

Dublin, capital of Ireland is a young, multi-cultural and vibrant city offering a “Céad míle fáilte romhaibh go dtí an Comhdháil IWA-WCE 2012” (Welcome to the IWA-WCE 2012 Congress).

Dublin is officially known in Irish as Baile Átha Cliath (pronounced Ballya-Aha-Clia). The name of Dublin comes from the Irish Dubh Linn meaning “black pool”. The city, originally founded as a viking settlement, has gone through many transitions and is presently one of the major cities for industry and sciences with a rich historical past. Dublin will be the European City of Science in 2012, the year of the congress.

Within Dublin, there are many sights to see while exploring the city by foot. From the museums, galleries, shops, restaurants and bars, Dublin offers each visitor options to suit their needs. Visit www.iwa-wcedublin.org for further information.

CONGRESS VENUE:

The Convention Centre Dublin - Positioned in the exciting Spencer Dock area on the banks of the River Liffey, The Convention Centre Dublin is Ireland’s new world-class, purpose-built international conference and event venue recently opened in 2010. The venue is within walking distance of many of the selected congress hotels, tourism destinations and public transport routes.



EXHIBIT OR SPONSOR AT IWA WCE 2012

An extensive trade exhibition will run throughout the IWA Water Congress on Water, Climate and Energy, providing delegates with the opportunity to learn about the latest developments in the field of water, energy and climate change and exhibitors with the chance to interact on a face-to-face basis with their specific target market.

Scientific posters, an internet centre, lounge and catering stations will be located in the exhibition area, making this the hub of the congress. Please see the congress website for exhibition and sponsorship options and details.

All exhibitors will be listed on the WCE 2012 Dublin website.

For more information please contact Rachel O’Hare at expo@iwa-wcedublin.org

SPONSORS



CONTACT INFORMATION:

Congress Offices for IWA WCE 2012;

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