



World Water Congress XV

International Water Resources Association (IWRA)
Edinburgh, Scotland

25-29 May 2015

SAVE THE DATE



www.iwra.org

www.worldwatercongress.com

DATES | 25 - 29 May 2015

VENUE | Edinburgh International Conference Centre, Edinburgh, Scotland

ORGANISERS | International Water Resources Association & Scottish Government



GLOBAL WATER, A RESOURCE FOR DEVELOPMENT: OPPORTUNITIES, CHALLENGES AND CONSTRAINTS

In an increasingly complex world, water management is at a critical juncture at present. Even when it has to fulfil essential roles in promoting development, reducing poverty and conserving the environment at the national and sub-national levels, water is often scarce, contested, polluted, mismanaged, misgoverned and poorly allocated. A main handicap has been that water management has often been considered as an end in itself, and not as a means to an end; the end and the opportunity being to achieve overall development, economic prosperity, improvement of quality of life and environmental conservation.

Both developed and developing countries are confronted with the urgent need to support the increasing water-related demands of growing populations and of the energy, industrial and agricultural sectors, as well as to respond to environmental concerns with sources of water that are scarce, over-exploited or too polluted for the intended uses. In spite of its relevance in terms of security, water is often not regarded as a key determinant for development, absent from many political agendas. This Congress seeks to explore Global Water as a resource for economic, social and environmental development. The Congress will be hosted in Edinburgh, capital of Scotland the Hydro Nation, where recent legislation puts water at the heart of the national development agenda.

The subthemes of the Congress are:

- Global challenges for water governance
- Revisiting water paradigms
- Management of water resources
- Key vulnerabilities and security risks
- Transboundary river basins and shared aquifers
- Non-conventional sources of water
- Valuing water : monetary and non-monetary dimensions
- Water law at the national and international levels

Plus a number of Special sessions





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The IWRA has consistently promoted the generation, synthesis, application and dissemination of knowledge. The XVth World Water Congress and Exhibition, that will be hosted by the Scottish Government in Edinburgh, Scotland, from 25 to 29 May 2015 will continue this trend.

The XVth World Water Congress will provide a platform for open discussions and debates among scientists, practitioners and policy makers from developed and developing countries and from different disciplines and sectors. In collaboration with Scottish Water, the IWRA Congress will promote in-depth discussions on the complexity of water policies, management, development and governance practices at the local, national, regional and global levels in a rapidly changing world as the fast evolving global landscape is driving decisions in the sectors' policies, performance and prospects.

We invite the water and related communities to be part of this ongoing discussion to manage water efficiently, equitably and cost-effectively so that desired ends are met successfully.

ABSTRACT SUBMISSION OPENS ON 28TH FEBRUARY 2014



Interested in playing a role at the Congress?

The IWRA World Water Congress is very interested in your participation through the organisation of special sessions, scientific presentations, posters and articles, exhibition spaces, sponsoring and promotion, or side events.

We encourage you to register your interest to participate in the Congress.

Key Dates :

Abstract submission opens on 28th February 2014

Delegate registration opens on 25th May 2014

For submissions and registrations please visit

www.worldwatercongress.com

SUBTHEMES OF THE CONGRESS

INCLUDE :

Global challenges for water governance

Old, new and innovative policies and institutions: are we still running behind?

Lessons learnt: good and bad practices

Climate Change: adaptation and mitigation

Corporate Social Responsibility: impacts on the water sector

Post-2015 development goals and their water implications

From North-South cooperation to South-North and South-South cooperation: implications for the water sector

Water demand management: how to make it work?

Non-conventional sources of water:

Value of wastewater as a resource

Economic, social, environmental and health considerations of wastewater reuse

Emerging contaminants

Water reuse and desalination as part of management schemes

Economics of water reuse

Political, policy and technological responses

Technological developments in desalination: policy and cost implications

Revisiting water paradigms

Water security: the new frontier?

Integrated Water Resources Management (IWRM): Are we integrating yet? How relevant will it be in the coming decades?

Are river basins still valid units for water management?

Policy contributions of virtual water and water footprint

Valuing water: monetary and non-monetary dimensions

Economic and regulatory instruments

Payment for ecosystem services

Using water technology in the modern low carbon economy as an engine for green growth

Human rights to water: progress made

Climate justice

Ethical, cultural and religious values

Education, information and participation

Capacity building

Key vulnerabilities and security risks

Floods, droughts and other type of natural disasters

Social, economic and environmental costs of water pollution

Ecosystem degradation: pollution of riverine and lake environments and aquifer contamination and reclamation

Wastewater management: the challenge of the millennium

The role of water and in post-conflict peace-building



Water allocation among competing uses and users

Domestic water supply: not yet universal, affordable, efficient and of high quality

Irrigation water management

Industrial water requirements

Water for energy

Environmental needs and flows

Infrastructure: development and management

Linkages with the energy, food and environmental sectors

Inter-basin transfers: when are they appropriate and when are they not?

Agriculture-urban water transfers: will scarce water resources reshape agricultural production?

Water markets and property rights

Management of water resources

Hydrology and hydrogeology: monitoring, modelling and management

Decision-support systems: the usefulness of hydrological models

Groundwater: still the invisible resource in spite of its importance

Public and private sector involvement in the water sector: successes, failures and constraints

Financing and investment schemes

Tariff structures for various water uses

Information requirements for policy and management

Grounding water management in sound science

Water law at the national and international levels

Responses to global and regional water challenges (e.g., climate change, desertification, etc.)

Tools for facilitating the generation and management of non-conventional sources of water (e.g., desalination, managed aquifer recharge, reuse, etc.)

Mechanisms (government licensing, water markets, etc.) for allocating water among competing uses and users (e.g., environment, energy, agriculture, etc.)

Mechanisms for reconciling the land-water divide

Responses to water pollution challenges (e.g., diffuse pollution, emerging pollutants, etc.)

Recognising and reckoning with customary and human rights to water

Issues related to groundwater resources

Dimension of transboundary river basins and aquifers

Facilitating innovation for managing, conserving, and creating water

Transboundary river basins and shared aquifers – the end of the conflict discourse?

Transboundary water pollution

River basin organisations and water governance

Experiences in regional blocks (EU, AU, ASEAN, etc.)

Case studies of transboundary management regimes: best practices and lessons learnt

Regional projects for regional benefits

Building resilience through effective transboundary water resources development

CONGRESS

SUB THEMES CONTINUED : SPECIAL SESSIONS

The Congress plans to provide special sessions of interest on Water Financing, presented by Anthony Cox, OECD and on Water and Mountains, presented by David Molden, ICIMOD. It is planned at this stage to provide further special sessions focusing on the topics of Water for fracking and other mining activities and also Green Growth.

Institutions will also be invited to organise special sessions either on topical issues or geographical regions such as:

- Aqueduct water risk assessment
- Water grabs
- Climate change
- Transboundary aquifer systems
- Trends of water and food security
- Scientific and technical innovation in water management
- Risk management for water
- Agricultural research
- Water Framework Directive
- Water and energy

Special session submission opens

28th February 2014

Please visit www.worldwatercongress.com

to take part.





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International Scientific Committee (ISC)

Chair : Dr. Cecilia Tortajada, President of the Third World Centre for Water Management, Mexico

Mr. Jon Rathjen, Team Leader, Water Industry Team, Scottish Government, Edinburgh, Scotland

Dr. Emmanuel M. Akpabio, Lecturer, Department of Geography & Regional Planning, University of Uyo, Nigeria

Dr. Eugenio Barrios, Director, Water Programme, WWF-Mexico

Dr. Marius Claassen, Research Group Leader, Council for Scientific and Industrial Research (CSIR), Pretoria, South Africa

Dr. Anthony Cox, Head of Division, Environment Directorate, OECD, Paris, France

Dr. David Brooks, Associate, IISD's Natural and Social Capital program, Canada

Prof. Gabriel Eckstein, Professor of Law, Texas A&M University School of Law and Treasurer, IWRA

Dr. James Horne, Principal, James Horne and Associates and Visiting Fellow, Australian National University.

Dr. Elcin Kentel, Associate Professor, Middle East Technical University, Ankara, Turkey

Prof. Lilian del Castillo-Laborde, Buenos Aires University, Argentina

Dr. David Molden, Director General, International Centre for Integrated Mountain Development, Kathmandu, Nepal

Prof. Mikiyasu Nakayama, Head and Professor, Department of International Studies, Graduate School of Frontier Sciences, University of Tokyo, Tokyo, Japan

Prof. James Nickum, Editor-in-Chief, Water International, Tokyo, Japan

Dr. Markus A. Palenberg, Director, IFDS - Institute for Development Strategy, Munich, Germany

Prof. Gareth Pender, Head of School, Environmental Engineering, Institute for Infrastructure and Environment, Heriot Watt University, Edinburgh, Scotland

Mr. Puah Aik Num, Chief Specialist of Water Treatment, Public Utilities Board, Singapore

Dr. Ahmet Saatci, President, Turkish Water Institute, Istanbul, Turkey

Prof. Christopher Scott, Professor, University of Arizona, Tucson, USA ; and Chair, XIV IWRA Congress (Recife, 2011)

Dr. Kai Wegerich, Senior Researcher, International Water Management Institute, Addis Ababa, Ethiopia

Dr. Jun Xia, Dean, Research Institute for Water Security (RIWS), Wuhan University, Wuhan, China

Prof. Jaeung Yi, Ajou University, Sowon, Korea



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