

Water and Development Congress & Exhibition 2015



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Congress & Exhibition General Information

18 - 22 OCTOBER, 2015

JORDAN

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Water Security for Sustainable Growth

Water is one of the most critical issues facing the world today, with developing and emerging countries facing some of the biggest challenges. The Water and Development Congress & Exhibition brings together thought leaders and decision makers from within and outside the water sector to address the key issue of 'Water Security for Sustainable Growth'. Organised by the International Water Association (IWA) in Jordan from 18 – 22 October, the Congress features a range of topics and a diverse set of viewpoints from global water leaders. Agenda setting Keynote Speakers will daily set the tone and address the key opportunities to finding solutions for global water challenges.

The development paradigm is evolving quickly beyond established boundaries. Failing states, slowly developing countries, developing and emerging economies see large differences in their models and stages of progress. This is reflected at the national and sub-national level in areas of stability, development and growth alternating with areas of instability, under-development and stagnation. A diverse set of factors underlie the differences in development across continents and nations. In whatever form, they make up a complex context within which water resources are managed and water, sanitation and wastewater services are delivered. The potential and contribution of water management to development in this diverse set of situations varies greatly.

Today many developing nations are rapidly transforming into emerging economies. For many, the water, sanitation and wastewater services sector provides an opportunity to progress,

invest and develop in areas beyond the water sector. To grasp this opportunity much work needs to be realised on a variety of fronts, including technology, regulation, science, education, and finance. The Congress aims to deliver greater synergies between academia, research and practice; by connecting diverse actors from across academia, industry, technology and policy, it aims to move from theory to implementation at scale.

The Water and Development Congress & Exhibition is the biennial global event on water solutions for developing and emerging countries. You are invited to contribute to this event by sharing your knowledge and expertise with fellow professionals working on water resource, water supply and sanitation with a focus on emerging economies. You will join over 1000 water professionals from government, research institutes, consultancies, technology companies, NGO's, service providers, and other key stakeholders from within and outside of the water sector.

The Congress focus will be on key topics that catalyse transformational change and support transition to new ways of managing water resources and delivering water services.

You can contribute to this event in various ways, by submitting a paper, becoming a strategic partner, exhibiting, sponsoring or joining the discussion as a delegate; there are plentiful opportunities to showcase your work and experiences and to hear from others.

Together we can realise a sustainable and resilient water world.



About Jordan

The Hashemite Kingdom of Jordan, which has captivated travellers since ancient times, continues to captivate new generations as a modern, vibrant nation.

Jordan is a unique destination from the haunting, primeval starkness of Wadi Rum, to the teeming centre of urban Amman; from the majestic ruins of bygone civilisations, to the timeless splendour of the Dead Sea. Jordan offers breath-taking and mysterious sights, exquisite cuisine and countless activities that inspire visitors to explore.

The Congress will take place at the King Hussein bin Talal convention centre in the Dead Sea region; technical and social tours and events will be organised. The venue is located within easy access from the Amman International Airport.

Present your work (themes)

We are looking for contributions under the sub-themes below to present global best practice, applied research, policy developments and solutions to challenges faced by water professionals in low and middle income countries. We especially encourage presentations that focus on the dynamic interactions between water and urbanisation; water, food and energy; and water and climate change.

From Water Conflict to Cooperation and Development

Creating the institutional fabric to scale up local initiatives, achieving universal coverage of services and managing water resources sustainably (in its economic, social and environmental sense) is critical for progressive development. Every step of socio-economic development is likely to increase the demand for water and hence requires institutions to organise water distribution, manage conflicts over water and build consensus on the way water is allocated, used and preserved. However, each step also creates new opportunities, through economies of scale, new technology and a greater resource base for good governance. What are key success factors for scaling-up successful local water service initiatives? How to develop needed regulation and the regulatory authority for the water sector? Can water actors move beyond national and regional issues?

Turning the Tide on Water Resources

Economic development is dependent on the wise management of resources. Serious floods and droughts can easily wipe out several percentages of annual GDP for a country. Skyrocketing insurance claims linked to water-related disasters undermine principles of risk sharing and investment policies in further developing the water, sanitation and wastewater infrastructure. Inefficient use of water, for example due to leakage, deprives others from a more beneficial use of water and increases costs of distribution and use. Depletion of groundwater is rapidly leading to irreversible situations threatening urban and rural areas alike. What are effective schemes of sustainable water resource management for farmers and industry to invest in? How to manage and control groundwater abstractions in large areas? How can cities connect to their hinterland and become a viable partner in investing in wise water management? How to tackle the rapidly growing pollution of national and local water ways?

Rapid Urbanisation as Driver for Sustainability and Resilience

Urban areas in many developing and emerging economies are rapidly growing. This growth often outpaces the capacity of local governments to plan for and guide the development. As a result unplanned sprawling cities emerge with inadequate services and development, often in areas prone to disasters. How to turn urbanisation into a force for rapid expansion and improvement of water and waste water services? What are successful and scalable initiatives that can be replicated? What is the role of

city planners and developers in delivering water and sanitation services in future mega cities? Can we go beyond a focus on service delivery towards integrated urban water resources management?

New Business Models for Water and Sanitation Services

Current models of water, sanitation and wastewater service delivery are inadequate for providing the billions of people who lack these services today. There is an urgent need to develop new business models that are likely to involve new technologies for delivery and other actors to provide the service. What are successful and replicable models for water and sanitation service delivery in slum areas? How to ensure new urban developments have quality services while treating wastewater to environmental and health standards? How to renovate and upgrade existing urban areas with a wide variety of water and sanitation demands? How to move beyond national goals and targets on water services coverage and achieve a progressive realisation of the human right to safe drinking water and sanitation nation-wide?

Water & Cleantech as Opportunity for Growth and Development

Large amounts of wastewater and other bio-solid waste are left unused and often even hardly collected. The water, energy and materials embedded in the millions of tons of organic waste are in fact a great source of re-usable water, renewable energy and recoverable materials. In some developing and emerging economies this has not gone left unnoticed and pilot schemes to capture the energy and resources from waste water have been developed. Furthermore, Information and Communications Technologies (ICT) are revolutionising the water industry, for example in consumer relations or network operations. What is the potential for further developing wastewater – energy capture schemes in developing countries? How do the latest mobile APPS transform the water sector? How effective are decentralised wastewater – energy capture schemes?

Growing Professional and Sector Wide Capacities

With increasing coverage and levels of services there is a need to develop the capacity of individual water professionals, organisations and the national water sector. Very few countries have invested in, or developed a deliberate strategy for developing their nation-wide water sector capacities. Also very few nations have developed curriculum and qualifications for different occupancies for water professionals. What are successful models to organise the water sector professionals at the national level? How to stimulate cooperation between research institutions / universities / vocational training institutes and water operators? Who is to lead on the development of standard list of qualifications for water professionals? What are successful training/ learning models for academic and vocational training?

Present your work (forums)

Technical Sessions, Workshops and Posters

Thematic Tracks are all about presenting innovative approaches, the latest science, newest technologies and leading practices. Participating in **technical sessions**, including oral and **poster** presentations, brings you the latest findings and allows you to connect to new developments. Attending **workshops** will provide insight and inspiration for cooperation and collaboration on research and practical applications. The workshops and technical sessions provide a unique opportunity for connecting with peers from across the water sector.

Keynote Speakers and Plenary Sessions

Agenda setting thought leadership from some of the most prominent figures from within the water sector and beyond. Keynote speakers at the Water & Development Congress and Exhibition are the top specialists in their respective fields; keynotes will spark debate and bring fresh insight into some of the most pressing challenges facing the water sector. Previous IWA Congresses have featured Keynote speakers from a wide range of disciplines, including politics, academia, industry, the media and research.

Leadership Forums

The Leadership Forums connect you to science and industry leaders that give new insight and foresight for decision makers in the water sector. The agenda setting Forums tackle key issues, bringing together current trends, latest research, guiding strategies, and leading practice.

Platform presentation

You will have 15 minutes to describe your work to an audience with genuine knowledge and interest in your field, followed by informed discussion—so you need a good level of spoken English.

Poster presentation

Your poster will be displayed for four days on a wall area of approximately 80cm x 120cm. You'll also be in the running for the 'best poster award', which will be announced at the congress closing ceremony. Platform and poster presentations are of equal status—but your poster must do the 'talking' in this format. Your text and images must communicate key messages clearly.

Final deadline for submission of outline papers (for platform and poster presentations): 15 February 2015.

For more information about submitting a paper, please visit the website at www.iwa-network.org/WDCE2015

The Exhibition, a networking hotspot

The goal of the Water and Development Congress is to identify, showcase and debate practical experiences and examples of service provision in developing and emerging economies that 'work' and, critically, work at scale. It is a unique opportunity to enlarge your international network and do business at the same time.

The international exhibition floor will be the networking hotspot during the Water & Development Congress. All lunches and coffee breaks will be served in the Exhibition hall. Exhibitors can benefit from a discount on the congress registration fee, and being part of the congress sessions and side events you will have the opportunity to use the networking capacity of the Congress and Exhibition.

We invite you to book your Exhibition booth today!

If you book before 1 February 2015, the Early Bird Fee - a discount of 10% on the stand rental fee - will apply. Stand space can be booked with shell scheme ready-to-use units from 6, 8, 9, 10 or 12 square meters (or multiple units). Bookings will be handled on a first-come, first-served basis.

You can reserve your space by submitting a completed application form. To obtain the application form please e-mail the IWA Exhibition Management at info@iwa-exhibitions.com.



Any questions?

Further details will be on the congress website:

www.iwa-network.org/WDCE2015
or email WDCE2015@iwahq.org