

International Conference Water Science for Impact

Wageningen University & Research



Prof. Stefan Uhlenbrook

Coordinator UN World Water
Assessment Programme
Keynote speaker



Dr Simon Langan

Director of IIASA's Water Programme
and Water Futures and Solutions Initiative;
Keynote speaker

First Announcement

16-18 October 2018,

Orion Wageningen, The Netherlands



Planbureau voor de Leefomgeving



Rijksinstituut voor Volksgezondheid
en Milieu
Ministerie van Volksgezondheid,
Welzijn en Sport



100years
1918 — 2018



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Introduction

We are delighted to announce the call for abstracts for the international conference Water Science for Impact, which will take place from 16 – 18 October 2018 at Wageningen University & Research (WUR) in Wageningen, The Netherlands. This large international and multidisciplinary water conference is convened within the framework of the WUR 100 years centennial celebrations, and is organised by WUR, Deltares, KWR Watercycle Research Institute, National Institute for Public Health and the Environment (RIVM) and Netherlands Environmental Assessment Agency (PBL). The conference will focus on the interaction between science and society in developing solutions for pressing water related problems as identified in the UN Sustainable Development Goals.

Aim and scope

Water Science for Impact will focus on water quality and quantity in the broadest sense. The conference brings together leaders in science, policy, and the public and private sectors to examine water science from a multidisciplinary perspective. Water science is crucial to expanding our understanding of water quality and quantity related issues that humankind encounters. Such understanding is key towards identifying critical water-related challenges, developing novel solutions and implementing steps that contribute to achieving the sustainable development goals. We welcome contributions from both the natural and social sciences, as well as from stakeholders and decision makers and from private and public sectors.

Target group

This conference aims at exchanging scientific knowledge and bridging gaps between scientists, policy makers, NGOs and the business community.

Themes

We welcome submissions around three different themes. Abstracts may focus on water systems at different spatial scales, including: urban or regional water systems; river and delta systems; surface and groundwater systems; and marine systems. Abstracts may include different approaches, including: observing and analytical approaches, systems approaches; modelling approaches; experimental approaches; trans-disciplinary participatory approaches.

Rivers, Lakes, Deltas and Seas

| Theme 1 Water and Climate Change | Theme 2 Water-Energy-Food- Ecosystem Nexus | Theme 3 Sustainable Water Quality |
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| <ul style="list-style-type: none">● Disturbance of the hydrological cycle● Climate adaptation strategies for rivers, deltas and seas● Nature based solutions in water management● Climate proof, adaptive urban water management● Water stress, water scarcity, water conflicts, water management and migration● Livelihood vulnerability to climate change● Extremes and disaster risk reduction | <ul style="list-style-type: none">● Closing water and nutrient cycles in the agro-food sector● Closing water and nutrient cycles in urban areas● Towards saline water resilient agriculture and industry● Impact and prediction of water stress on food security, energy and ecosystems● Blue growth: sustainably harvesting the potential of resources from coastal areas and seas● Politics and governance of water allocation claims | <ul style="list-style-type: none">● Emerging chemicals and biological contaminants in surface water, groundwater, sediments and marine ecosystems● Tackling multiple stressors: risk assessment and management strategies● Restoration and conservation of healthy aquatic ecosystems: multiple stressors (pollutants, invasive species), ecosystem dynamics, resilience, tipping points● Salinization● Impacts of water quality on human health and freshwater and marine ecosystem health |

Programme

The programme will be constructed around presentations and posters that are submitted in relation to the conference topics, bridging the gap between science and society. Contributions on transdisciplinary approaches are especially welcomed.



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Planning

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|----------------------|------------------------------------------------------------------|
| January 2018 | First announcement and call for abstracts |
| April 2018 | Deadline for abstracts of presentations. |
| June 2018 | Evaluation and selection of abstracts by the Programme Committee |
| September 2018 | Publication of final programme |
| 16 - 18 October 2018 | Conference Water Science for Impact |

Submission of abstracts

All abstracts should be written in English and can be submitted online through the conference website. The Programme Committee will review the abstracts. Full instructions on how to prepare and submit your proposal are available online.

Special issues

We aim for publication of selected papers in special issues of scientific journals (see website for details).

Selection criteria

Scientific contributions:

Abstracts for scientific contributions will be evaluated on scientific originality, scientific and societal relevance and fitting the themes of the conference.

Contributions from representatives of policy makers, NGOs and the business community:

Abstracts from non-scientific contributors will be evaluated on originality, societal relevance, the link to science and fitting the themes of the conference.

Steering Committee

- Prof. Dr C. (Carolien) Kroeze (chair), professor of Water Systems and Global Change at WUR
- Prof. Dr S.R. (Simon) Bush, professor of Environmental Policy at WUR
- Ir. I.M.A.A. (Ivo) Demmers, head of the water programme at Environmental Sciences Group - WUR
- Prof. P.J.G.J. (Petra) Hellegers, professor of Water Resources Management at WUR
- Prof. Dr A.J.F. (Ton) Hoitink, professor in Environmental Fluid Mechanics at WUR
- Prof. Dr A.A. (Bart) Koelmans, professor in Water and Sediment Quality at WUR
- Prof. Dr F. (Fulco) Ludwig, professor in Climate Adaptation Strategies at WUR
- Prof. Dr A.J. (Tinka) Murk, professor in Marine Animal Ecology at WUR
- Prof. H.H.M. (Huub) Rijnaarts, professor in Environment and Water Technology at WUR
- Drs.ing. P.N.M. (Peter) Schipper, researcher on water quality at Environmental Sciences Group - WUR
- Dr N.B. (Nora) Sutton, assistant professor in Environmental Technology at WUR
- Prof. A.H. (Albrecht) Weerts, professor in Hydrologic Predictability at WUR and expert on data model integration and hydrological forecasting at Deltares
- Dr K. (Koen) Wetser, researcher at the Water Nexus Programme at WUR
- Dr ir A.G. (Toon) Segeren, director external relations and entrepreneurship, Deltares
- Drs W. (Willem) Ligtoet, programme manager Water Climate and Adaptation at the Netherlands Environmental Assessment Agency (PBL)
- Dr P.W.J.J. (Paul) van der Wielen, expert researcher in microbiology / biological activity and stability in drinking water at KWR
- Prof. Dr. L. (Leo) Posthuma, professor in Sustainability and Environmental Risks at Radboud University Nijmegen and expert on environmental risks and sustainable development at the Dutch National Institute for Public Health and the Environment (RIVM)

Programme Committee

- Chair: Prof. Dr C. (Carolien) Kroeze
- Theme 1: Water and Climate Change: Prof. Dr F. (Fulco) Ludwig; Prof. Dr A.J. (Tinka) Murk
- Theme 2: Water-Food-Energy-Ecosystem Nexus: Prof. H.H.M. (Huub) Rijnaarts / Dr K. (Koen) Wetser; Prof. P.J.G.J. (Petra) Hellegers
- Theme 3: Water Quality: Prof. Dr A.A. (Bart) Koelmans; Dr N.B. (Nora) Sutton; Dr P.W.J.J. (Paul) van der Wielen

Organizing Committee

- Steven Kruize, IWC conference secretariat
- Ivo Demmers, head of the water programme at Environmental Sciences Group - WUR
- Marjolijn Dannenburg, management information systems and web content manager WIMEK Graduate School at WUR
- Johan Feenstra, coordinator WIMEK Graduate School at WUR

Information:

Conference secretariat IWC
Koningskade 40
2596 AA Den Haag
The Netherlands
T +31.6.11173425
E info@WageningenWaterConference.com
I www.WageningenWaterConference.com

