

Contact

Latest information about the programme as well as for the registration procedure are available at

<http://water-research-horizon.de>

The conference will be held in English.

Conference fee

Early bird –

registration & payment **until 15 June 2018:**

Students: EUR 60 | PhD Students: EUR 100

Members: EUR 150 | Non-members: EUR 200

Regular –

registration & payment **after 15 June 2018:**

Students: EUR 60 | PhD Students: EUR 125

Members: EUR 180 | Non-members: EUR 230

For scientific questions, please contact:

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For organisational questions, please contact:

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or see our website.

Venue



Source: DHMD

The **9th Water Research Horizon Conference** will take place at the **Deutsches Hygiene-Museum Dresden.**

Address:

Deutsches Hygiene-Museum

Lingnerplatz 1

01069 Dresden

<http://www.dhmd.de/en/>

The communication of scientific issues and the task of cultural education have traditionally been the cornerstones of the Deutsche Hygiene Museum. Beside holding exhibitions, we offer a broad base of guided tours and educational activities tailored to the requirements of different kinds of visitor. This is complemented by a wide-ranging programme of events consisting of lectures, conferences, readings and concerts.

The museum's professionally equipped conference centre provides a variety of venues to cater for external events with several hundred participants.

How to get there:

CAR ROUTE: Highway A4, Hellerau exit or Altstadt exit Direction Zentrum

TRAMS: Lines 10, 13, Stop: Georg-Arnhold-Bad / Deutsches Hygiene-Museum; Lines 1, 2, 4, 12, Stop: Deutsches Hygiene-Museum



Source: René Höfer, UFZ | 2013

9th Water Research
Horizon Conference

Towards Blue Cities and their Environs

3rd / 4th July 2018

Deutsches Hygiene-Museum Dresden

Organised by

Water Science Alliance e.V.

supported by



Towards Blue Cities and their Environs

An effective water management in urban areas is one of the most pressing global challenges. Addressing it requires new approaches that extend far beyond the classical goals of sustaining drinking water supply and ensuring effective sanitation. Urban water management for the future must also accommodate such diverse issues as urban heat mitigation, groundwater depletion, urban agriculture, reuse of treated wastewater, water retention, freshwater ecosystem restoration, biodiversity conservation, urban recreation and general human well-being as vital elements of a development towards liveable cities.

Many individual components of urban water systems are well described and understood. However, current solutions to urban water issues continue to be primarily technological. While effective at ensuring water security for humans in industrial nations, they fall short of providing sufficient quantities of clean water to a large proportion of the world population and fail to address many of the other demands on urban water systems. To what extent nature-based solution can complement existing and future technologies to face these challenges is an open question. Thus, great strides could be made by developing integrative holistic concepts that consider the interlinkages between technical and 'natural' freshwater compartments, while specifically addressing the singularity of urban catchments and relations with their environs. This could be achieved by filling the gap between the technology-focused urban water management as practiced at present and modern river basin management, which tends to underappreciate the role of urban water systems.

Water Science Alliance

The Water Science Alliance creates a platform providing efficient structures for integrated water research at the national and international level as well as bundling the existing water research competences along the lines of the most pressing challenges.

The Water Research Horizon Conference with the Open Space Workshops is aimed to be a platform for the dialogue on the grand challenges in water research. The event takes place annually at different venues with support of changing partner of the scientific community.

Water Research Horizon Conference

The **9th Water Research Horizon Conference will bring together scientists, practitioners and policy-makers with diverse backgrounds** to engage in a multilateral exchange about the role of research to address the challenges of future urban water management in the face of global change – including demographic and global urbanization trends. Blue cities are the vision, where blue encapsulates the notion of both sufficient and clean water for citizens and nature. This perspective will guide the presentations and discussion panels that are organised in six thematic sessions:

Water Linkages of Cities and their Hinterland

Water resources and multi-level interrelations
between the city and its catchment, groundwater and rivers

Water bodies receiving point and diffuse pollution
coupling water and material flows

Urban freshwater ecosystems
growing cities and their impacts on aquatic ecosystems

Water in the City of the Future

Water-related extremes and impacts
damping the effects of hydro-meteorological events

Water and the built environment
focussing on surface water and debris flows in built-up areas

Water based urban design and planning
developing water sensitive liveable cities

Call for Workshops

The sessions are complemented by Open Space Workshops as well as Side Events, which offer room for in-depth discussions and intend to initiate new research activities beyond the existing disciplinary and institutional boundaries; the topics are already determined but input to all workshops as well as active participation are welcome – in case of interest, please contact

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Water Science Alliance

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This year's conference includes the RK Bode foundations' water resources award ceremony and the 6th general meeting of the Water Science Alliance e.V. on the eve of the conference, Monday, 2 July 2018.

An overview of the programme as well as the open space workshops is now online and available at

<http://www.water-research-horizon.de>

