

POSTAGE STAMP

Conference Secretariat
Buerweg 51
1861 CH Bergen
the Netherlands

Registration and fee

The conference fee is € 475. Members of IWA and NVA will have a reduced fee of € 450. Excursions will have a separate fee and will be announced in the second announcement.

Organizing Committee

Joost de Jong (conference president), Roelof Kruize, Arie van der Vlies, Gerard Blom, Leonie Bolwidt en Bertie van der Heijdt

Programme Committee

Henk van Schaik (chairman), Leonie Bolwidt (RIZA), Bertie van der Heijdt (RIZA), Hendrik Buiteveld (RIZA), Douwe Dillingh (RIKZ), Pieter Jacobs (RIZA), Arie Kattenberg (KNMI), Robert Mureau (KNMI), Jeanette Onvlee (KNMI), Albert Oost (RIKZ), John de Ronde (RIKZ), Michael van der Valk (Netherlands National Committee IHP-HWRP), Frans van den Ven (RIZA) and Koos Verbeek (KNMI).

Scientific Committee

Gerbrand Komen (Netherlands, IPCC), Paul Crutzen (Germany), Manfred Spreafico (CHR, Switzerland), Job Dronkers (Netherlands), Lalji Mandalia (UNESCO, France).

Information

All information about the conference as well as the exhibition can be obtained from:
Conference Secretariat, Buerweg 51, 1861 CH Bergen, The Netherlands
fax: +31.20.4602475, e-mail: roelof.kruize@dwr.nl

All information about the Aquatech exhibition can be obtained from:
RAI, PO Box 77777, 1070 MS Amsterdam, The Netherlands
Tel.: +31.20.5491212, Fax: +31.20.5491843, E-mail: aquatech@rai.nl

The conference is supported by:

- World Meteorological Organization;
- UNESCO's International Hydrological Programme (IHP)
- The International Commission for the Hydrology of the Rhine basin (CHR);
- The international secretariat of the Dialogue on Water and Climate (DWC);
- The Ministry of Transport, Public Works and Water Management of the Netherlands;
- Royal Netherlands Meteorological Institute (KNMI);
- Netherlands Institute for Inland Water Management and Waste Water Treatment (RIZA);
- Netherlands Institute for Coastal and Marine Management (RIKZ).

**International conference on
Climate change: a challenge or a threat
for water management?
Amsterdam RAI, The Netherlands
27 September – 29 September 2004
First announcement and call for papers**



**Organized by the International Water Association (IWA)
in Co-operation with the Netherlands Association on
Water Management and Aquatech Amsterdam 2004.**

Aim of the conference

The aim of this conference is to discuss, with scientists and managers, the problems that climate change causes within the water cycle, and the adaptation and mitigation strategies to cope with them. The focus will be on water management strategies for coastal areas, along rivers, for water systems on a regional (catchment) scale and on a local scale (cities/villages). The conference will provide natural resource managers from across the world with the most up-to-date scientific knowledge regarding the challenges posed by climate change and climate variability with respect to water resources management. This will assist us in the important next step of developing adaptive and mitigative management strategies to ensure future resource sustainability. While much of what we hear regarding possible climate conditions in the future is of great concern, we are given a key opportunity to focus now on real changes needed by the next generation of water resource managers.

Background

Dealing with climate change and climate variability is one of the great water management challenges for the coming years. The Intergovernmental Panel on Climate Change (IPCC) presents increasing evidence of impacts of climate change and suggests that most warming observed over the last 50 years is attributable to human activities. The third assessment of the IPCC (2001) is that globally averaged, the surface temperature of the Earth

is projected to increase by between 1.5 and 6 degrees Celsius over the period 1990 to 2100 as a result of human activities. Over the same period an associated rise in global average sealevel of 10 to 90 cm is projected. Climate change will lead to an intensification of the global hydrological cycle and can have major impacts on regional water resources, affecting both ground and surface water supply for domestic and industrial uses, irrigation, hydropower generation, navigation, instream ecosystems and water-based recreation. Increased frequencies and intensities of some extreme weather events such as floods and droughts have already been observed and are likely to increase with further warming. Freshwater quality generally will degrade with rising water temperatures. Many coastal areas are expected to experience increased levels of flooding, accelerated erosion, loss of wetlands and mangroves and seawater intrusion into freshwater sources as a result of climate change. The effects of climate change on water scarcity, water quality and the frequency and intensity of floods and droughts will further intensify challenges for integrated water resources management including flood and drought management.

Programme

In general sessions papers will be presented. In addition poster presentations will be presented, which can be discussed during special poster sessions. Some technical excursions will complete the programme.

Topics**1. The effects of climate change on the functions of water systems:**

- safety in coastal areas
- extremes in river discharge
- water hindrance and shortage in regional water systems
- water quality
- fresh water and drinking water supply
- shipping, energy production, economy

2. Analyses of recent hydrological extremes:

- recent floods, rainfall extremes, droughts
- causes (climate change?)
- casualties, costs and political effects
- measures taken

3. Water management strategies to cope with the effects of climate change:

- structural adaptation and mitigation strategies for coasts and coastal areas
- in catchment areas
- in and along rivers
- on a regional scale (drainage areas)
- on a local scale (urban areas)
- storm and flood prediction, warning strategies and risk management

Submission of papers and posters

Papers and posters within the scope of the conference are welcome. Authors should submit an abstract of about 1,000 words (2 pages) to the Conference Secretariat, before January 1st, 2004. The contributions should focus on the topics mentioned.

All abstracts should be typewritten in English. An International Programme Committee will review the abstracts. Only papers and posters presented in person by the author(s) will be accepted. Authors must be able to meet their own expenses and fee.

Conference proceedings and publications

The working language of the conference is English. There will be no simultaneous translation. The proceedings with the full papers will be handed over to the participants at the registration desk. After the conference a selected number of papers and posters will be reviewed for publication in the IWA journal Water Science and Technology.

Deadlines and key data

1 January 2004	Submission of abstracts of papers
1 March 2004	Notice of acceptance
1 April 2004	Distribution of second announcement and invitation to register
1 May 2004	Submission of full papers
27 Sept. 2004	Final registration

Send this reply card to the conference secretariat

Date : _____ Place : _____

I propose to submit a paper entitled _____

I am interested to receive the second announcement and invitation to register

E-mail : _____

Fax : _____

Telephone : _____

Country : _____

City : _____

Address : _____

Organisation : _____

Name : _____