



## Seminar

# Uncertainties in Climate Change Impacts on Water Resources

**Time:** Thursday 10<sup>th</sup> September, 2009

**Place:** Geocenter Copenhagen (Theodor Sorgenfrei auditorium at GEUS),  
Øster Voldgade 10, 1350 Copenhagen K

**Motivation and target audience:** To make full use of predictions of climate change impacts in water resources management it is necessary to assess and to the extent possible quantify the associated uncertainty. This involves consideration of a large range of uncertainties related to climate scenarios, hydrological model structures, geological interpretations, parameter values and adaptation strategies. In the seminar we want to present and discuss new scientific methodologies on uncertainty assessments of particular relevance to climate change and water resources.

The seminar is targeted for researchers and professionals working with climate change and water resources and it is open for all interested persons. If you wish to attend please send an email to Ala Stefirta ([aste@geus.dk](mailto:aste@geus.dk)) with your name, organisation and email.

**Planning of seminar:**

o Jens Christian Refsgaard, Geological Survey of Denmark and Greenland ([jcr@geus.dk](mailto:jcr@geus.dk))

**Sponsors:**

o International Research School of Water Resources, FIVA ([www.fiva.dk](http://www.fiva.dk))  
o HYACINTS research project ([www.hyacints.dk](http://www.hyacints.dk))

## Preliminary programme

<b>Topic</b>	<b>Speaker</b>
What is uncertainty, which methodologies/tools do we have to assess uncertainty, and what is HYACINTS' contribution	<i>Jens Christian Refsgaard, GEUS</i>
Ensemble modelling as a means to explore uncertainty	<i>James Brown, National Weather Service, NOAA, USA</i>
Scale and uncertainty	<i>Gerard Heuvelink, Wageningen University, NL</i>
The role of uncertainty in adaptive water management	<i>Hans Jørgen Henriksen, GEUS</i>
Something on uncertainty in climate change impacts on freshwater ecosystems	<i>Erik Jeppesen, NERI, University of Aarhus</i>
Dealing with uncertainty in climate change (overview of how the IPCC community deals with the various sources of uncertainty)	<i>Kirsten Halsnæs, DTU Climate Centre, Risø</i>
The EU Integrated Project Water and Global Change (WATCH).	<i>Richard J. Harding, Centre for Ecology and Hydrology, UK</i>
Impacts of climate uncertainty on water resources in Denmark	<i>Torben Sonnenborg or Lieke van Roosmalen, GEUS</i>