



Seminar on Climate Change Impacts on Water Resources

Time: Tuesday 23rd September, 2008

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

Motivation and target audience: Many studies focusing on climate change impacts on water resources are being initiated. This field is quite new and poses new challenges some of which are fundamentally different from problems in traditional hydrological studies. In the seminar we want to present and discuss new scientific methodologies on topics such as downscaling of results from climate models, problems in use of climate model results as input to hydrological models, and uncertainty in predictions of climate change impacts.

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) with your name, organisation and email.

Planning of seminar:

- o Lieke van Roosmalen, Department of Geology and Geography, University of Copenhagen (lvr@geol.ku.dk)
- o Jens Christian Refsgaard, Geological Survey of Denmark and Greenland (jcr@geus.dk)

Sponsors:

- o International Research School of Water Resources, FIVA (www.fiva.dk)
- o HYACINTS research project (www.hyacints.dk)

Programme:

- 8⁴⁵ Coffee, registration
- 9¹⁵–12¹⁵ Morning session – Chairman: Jens Christian Refsgaard**
- 9¹⁵ Welcome
- 9²⁰ Climate models
Jens Hesselbjerg Christensen, Danish Meteorological Institute
- 9⁵⁵ Linking climate change modelling to impacts studies: recent advances in downscaling techniques for hydrological modeling
Hayley J. Fowler, University of Newcastle
- 10³⁰ Coffee
- 10⁵⁰ Coping with climate model biases in assessing climate change impacts to hydrology
Phil Graham, Swedish Meteorological and Hydrological Institute
- 11²⁵ Refinement of dynamically downscaled climate scenarios and hydrological modelling
Stein Beldring, Norwegian Water Resources and Energy Directorate
- 12⁰⁰ Discussion
- 12¹⁵ Lunch
- 13¹⁵-16⁰⁰ Afternoon Session – Chairman: Karsten Høgh Jensen**
- 13¹⁵ Climate change effects on groundwater and rivers in Denmark
Lieke van Roosmalen, University of Copenhagen
- 13⁵⁰ Uncertainty on climate change effect predictions
Jørgen E. Olesen, Faculty of Agricultural Science, University of Aarhus
- 14²⁵ Coffee
- 14⁴⁰ HYACINTS – a new research project
Jens Christian Refsgaard, GEUS
- 15¹⁵ Discussion
- 16⁰⁰ Closure