BALTEX Workshop:
Utility of Regional Climate Models

at

Swedish Meteorological and Hydrological Institute

Norrköping, Sweden
23 January 2008
Chair and Organisation: Markus Meier (SMHI)

The workshop is the start-up event of the recently approved new BALTEX Working Group on the Utility of Regional Climate Models (RCM), chaired by Markus Meier (SMHI, Sweden). It is being held in conjunction with the 22nd BALTEX Science Steering Group meeting. The workshop is open to interested participants.
The new Working Group will address a number of topics including
1) dynamical downscaling of Global Climate Models (GCMs),
2) regional reanalyses utilizing data assimilation schemes,
3) sampling network design,
4) supply hypotheses, among others guiding detection and attribution studies,
5) test dynamical hypotheses.
A key objective of this new working group is how to infer added value by studying the above topics with RCMs instead of using a global model framework or statistical analysis of observational evidence derived from a network.

Workshop schedule: Speakers and Presentation Titles

13.30 Erik Kjellström and Lars Bärring
Swedish Meteorological and Hydrological Institute, Norrköping, Sweden
Status of dynamical downscaling at the Rossby Centre and future plans

13.50 Philip Lorenz
Max-Planck-Institute for Meteorology, Hamburg, Germany
Regional climate change simulations from Ensembles

14.10 Burkhardt Rockel
GKSS-Research Centre Geesthacht, Germany
The Inter-Continental Transferability Study as part of CEOP/GEWEX

14.30 Ole Bøssing Christensen
Danish Meteorological Institute, Copenhagen, Denmark
Validation and model weighting for PRUDENCE and ENSEMBLES simulations

14.50 Daniela Jacob
Max-Planck-Institute for Meteorology, Hamburg, Germany
From regional climate models to regional system models for the Baltic Sea and its drainage basin

15.10 Leif Klemedtsson
Göteborg University, Göteborg, Sweden
Tellus: The Centre of Earth System Science at Göteborg University

15.30 *Coffee break*

16.00 Johan Andreasson
Swedish Meteorological and Hydrological Institute, Norrköping, Sweden
On the need of dynamical downscaling for hydrological applications

16.20 Markus Meier
Swedish Meteorological and Hydrological Institute, Norrköping, Sweden
Scenarios of the Baltic Sea ecosystem calculated with a regional climate model

16.40 Benjamin Smith
Lund University, Lund, Sweden
Land surface dynamics and biogeochemistry in RCMs: state of art and future prospects

17.00 Anna Rutgersson-Owenius
Uppsala University, Uppsala, Sweden
A coupled wave-atmosphere RCM

17.20 Anna Jansson and Christer Persson
Swedish Meteorological and Hydrological Institute, Norrköping, Sweden
Meso-scale reanalysis of precipitation, temperature and wind over Europe – First attempt based on ERAMESAN and an outlook for future initiatives

17.40 Discussion

18.30 Food and refreshments on the SMHI premises