2nd Announcement and Call for Papers

2nd International Lund RCM Workshop

21st Century Challenges in Regional-scale Climate Modelling

Lund University, Sweden
4 - 8 May 2009

2nd Announcement and Call for Papers

Scope

The conference is a follow-up to the regional-scale climate modelling workshop held in Lund, Sweden in 2004. Developments and progress achieved in the last five years will be presented and discussed along with open issues and expected future challenges related to regional climate modelling. The meeting will cover a wide range of RCM-related topics from basic research - such as theoretical aspects of numerics and parameterizations - to applications such as impact studies in the context of climate variability and change. The workshop is endorsed by the World Meteorological Organization (WMO), its World Climate Research Programme (WCRP), the Global Energy and Water Cycle Experiment (GEWEX) and its Regional Hydroclimate Project BALTEX, as well as by the EU/FP6 project ENSEMBLES and the North American Regional Climate Change Programme (NARCCAP). The workshop is organized by Lund University, SMHI, DMI and GKSS with support by the International BALTEX Secretariat. Invited and contributed papers will be presented in plenary along with extended poster sessions. Workshop language will be English.

Topics

Dynamical Downscaling
Contributions will be on the development of alternative nudging techniques, the influence of domain choice, the quantitative demonstration of the added value of regional climate models, and the complementarity of dynamical and statistical downscaling.

New Developments in Numerics and Physical Parameterisations
Progress and challenges in the development of numerical techniques as well as physical parameterizations and their dependence on resolution will be summarized and discussed.

From Weather to Climate
Regional models are widely used in short range weather forecast and in seasonal to decadal predictions. Seamless prediction systems attempt to unify weather and climate prediction. This session is also open to contributions on data assimilation, model/simulation initialization, and ensemble prediction.

Regional Observational Data and Reanalysis
Presentations on high-resolution regional datasets and regional re-analyses.

Results from Large Projects
Several large projects include regional-scale climate modelling as a major component (e.g. ENSEMBLES, NARCCAP, CIRCE and MRED). Overview presentations on these projects with respect to their contribution to regional-scale climate modelling are especially welcome.

The Future of RCMs
What are future challenges for regional-scale climate modelling? Examples include regional Earth system models and very high resolution RCMs.

Impact Studies
RCMs are increasingly being used as tools for the quantification of regional impacts in the context of global change. The workshop is expected to cover – and is open to – studies of the impacts of past and future climate variability and change, as well as other related topics such as the impacts of environmental pollution and other anthropogenic activities.

Associated Organizations

WMO OMM

GEWEX WCRP World Climate Research Programme (A Programme of WMO, ICSU and IOC)

BALTEX Baltic Sea Experiment GEWEX

ENSEMBLES

NARCCAP

www.baltex-research.eu/RCM2009

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Call for Papers

Contributions in accordance with the topics of the Workshop, both oral or as poster, are welcome. Complete abstracts in English language, maximum of two pages, including figures, tables or diagrams, are requested to be submitted to the International BALTEX Secretariat by all participants wishing to give a presentation. After the Workshop, authors may submit a full paper for a special issue in an international journal.

Guidelines for Abstract Preparations

Abstracts must be submitted electronically. An electronic abstract template including all format definitions is available at the **Workshop website: www.baltex-research.eu/RCM2009.** This template shall be downloaded and used for the preparation of abstracts. Participants are advised to strictly follow the formats given in this template. Other formats or paper/fax copies will not be accepted. Abstracts must be submitted to the BALTEX Secretariat at baltex@gkss.de before 15 February 2009.

Abstract Deadline: 15 February 2009

The Scientific Committee will review the submitted abstracts and the authors will be notified accordingly before 28 February 2009. An abstract volume will be distributed at the Workshop.

Scientific Committee

- Raymond Arritt, USA
- Lars Bärring, Sweden
- Ole Bøssing Christensen, Denmark
- Michel Déqué, France
- Congbin Fu, China
- Filippo Giorgi, Italy
- Jens Hesselbjerg Christensen, Denmark
- Richard Jones, UK
- Jack Katzfey, Australia
- Rupa Kumar Kolli, WMO
- René Laprise, Canada
- Claudio Menendez, Argentina
- Markus Meier, Sweden
- Roger Pielke Sr., USA
- Burkhardt Rockel, Germany
- Benjamin Smith, Sweden
- Markku Rummukainen, Sweden
- Hans von Storch, Germany

Organizing Committee

- Lars Bärring, Sweden
- Ole Bøssing Christensen, Denmark
- Hans-Jörg Isemer, Germany
- Anna Maria Jönsson, Sweden
- Marcus Reckermann, Germany
- Burkhardt Rockel, Germany

Workshop Venue

Palaestra et Odeum
Conference Centre
Lund University
Paradisgatan 2
221 00 Lund
Sweden

The Conference Centre is located in the University quarters, within easy walking distance to the city centre and all hotels.

Workshop Organizers and Sponsors

LUND UNIVERSITY · SMHI · DMI · GKSS FORSCHUNGSZENTRUM in der HELMHOLTZ-GEMEINSCHAFT · WCRP World Climate Research Programme · NSF

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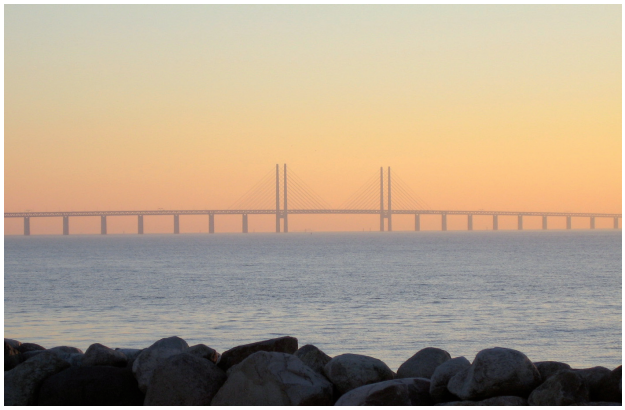
Workshop fee and registration

Workshop participants shall register via the Workshop website by either using the electronic registration tool or by filling in the fax registration form which is available as pdf.

Registration Deadline: 15 March 2009

The Workshop fee is € 230 (€ 280 after 15 March 2009). The fee covers the Workshop venue, the Workshop abstract volume, the ice breaker and the daily lunch including morning and afternoon refreshments. On Tuesday afternoon, there will be an excursion with dinner to the nature reserve Skäralid/Kopparhatten north of Lund (€ 40 extra). The number of Workshop participants will be limited to 200, on a first come, first serve basis. Some funds are available to support U.S. graduate students and early career scientists, courtesy of the U.S.National Science Foundation. Also, for participants from developing countries, there will be some support by WCRP. Details on registration, payment and support options and conditions will be available at the Workshop web site.



Social Events

Monday, 4 May: Ice Breaker
Tuesday, 5 May: Excursion and Workshop Dinner

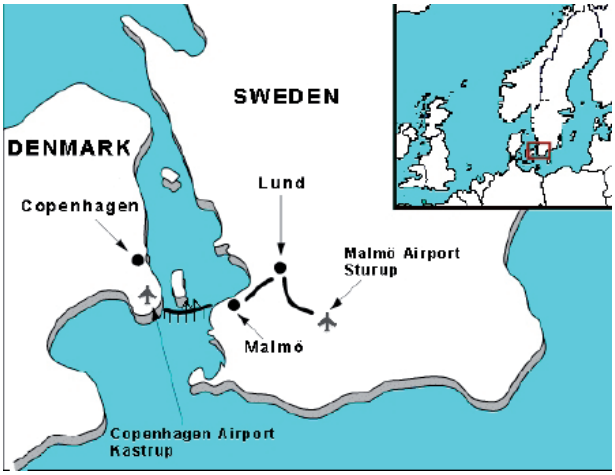
Accommodation

Rooms have been pre-booked in several hotels in Lund **until 2 April 2009**. Approximate single room prices vary from € 70 to € 215 per night. Most hotels have WLAN (WiFi). A list of hotels will be available at the Workshop website. Be sure to make your booking in due time.

Travel Information

Travel to Lund is quite easy. International connections are mostly through Copenhagen Kastrup Airport (CPH), which has flights to many destinations worldwide. There are frequent bus or railway connections between Copenhagen city, Kastrup Airport and Lund (every 20 min), taking less than 1 h. Another nearby airport is Malmö Sturup (MMX) with a limited number of domestic and international flight connections.

For travel and tourist information about Lund, see:
http://wikitravel.org/en/Lund, or *http://www.lund.se/*



Details on abstract submission and registration procedures and the Workshop in general will be available at the BALTEX website:

www.baltex-research.eu/RCM2009

General questions related to the Workshop may be directed to the International BALTEX Secretariat: Phone +49 4152 87 1661 (-1693 or -1699), Fax +49 4152 87 1730, e-mail: baltex@gkss.de, or to the local organiser: Lars Bärring, Lund University and SMHI Rossby Centre, Fax +46 11 495 8001, lars.barring@smhi.se

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