



The Abdus Salam  
International Centre for Theoretical Physics



INTERNATIONAL CONFERENCE ON  
THE COORDINATED REGIONAL CLIMATE  
DOWNSCALING EXPERIMENT  
- CORDEX -

Co-sponsored by the World Climate Research Program (WRCP) and  
the Global Change System for Analysis Research and Training (START)

21 - 26 March 2011  
Miramare, Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics (ICTP) is organizing an **International Conference on the Coordinated Regional Climate Downscaling Experiment - CORDEX** to be held at **ICTP, Trieste, Italy** from **21 - 26 March 2011**.

The directors of the Conference are **F. Giorgi** (ICTP, Italy), **C. Jones** (SMHI, Sweden) and **B. Hewitson** (University of Cape Town, S. Africa).

The **Coordinated Regional Climate Downscaling Experiment - CORDEX** - is a new international program with the threefold objective of:

- 1) Evaluating and improving dynamical and statistical regional climate downscaling (RCD) techniques;
- 2) Produce a new generation of RCD-based climate projections for regions worldwide
- 3) Foster communication between the climate modeling and impact communities and enhance the engagement of scientists from developing countries in climate change research.

CORDEX entails the completion and intercomparison of ensembles of different regional climate model (RCM) experiments using the same domains, resolution and lateral boundary condition fields from either analyses of observations or global climate models. The RCM simulations are then expected to be compared to analogous downscaling experiments with statistical/empirical techniques. Specific sets of analysis metrics for both, model validation and assessment of projections, are being developed for each region. Phase I of CORDEX is currently under way, focusing as high priority on a domain encompassing the entire African continent. An expected outcome of the CORDEX Phase I activities is a significant contribution by the RCD community to the IPCC Fifth Assessment Report (AR5). A number of RCM groups worldwide have joined the CORDEX effort, and the first simulations have been completed or are currently under way not only for the Africa domain but also for other regional domains.

The conference will consist of two segments. The first (**21-24 March**) will be devoted to a review of the status and main issues of the CORDEX initiative over the various CORDEX domains. Special sessions will be devoted to the Africa domain and to the assessment of the first multi-model CORDEX simulations over this region. This first segment of the conference will include invited and contributed papers and will entail a strong communication between the climate modeling and impact communities. The second segment (**25-26 March**) will include targeted skill building training sessions along with a specific Africa regional analysis design activity. This second segment will be mostly composed of theoretical lectures and hand-on laboratory sessions.

**Participation:**

The conference will be conducted in English. Limited funding (including travel grants) for participation in the conference is available for scientists from developing countries. No registration fee is required.

**How to apply for Participation:**

Applicants who would like to present a contributed paper to the conference should submit title and short abstract of their contribution.

The on-line application form can be accessed via the ICTP activity agenda page at:

<http://agenda.ictp.it/smr.php?2228> Once in the website, comprehensive instructions will guide you step-by-step, on how to fill out and submit the application form. Kindly send all file attachments in Word or PDF format.

**Deadline for receipt of applications is 10 December 2010.**

**Contact Information:**

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ICTP Home page: <http://www.ictp.it>

Co-sponsored by:



**Directors:**

**Filippo Giorgi**  
(ICTP, Italy)

**Colin Jones**  
(SMHI, Sweden)

**Bruce Hewitson**  
(University of Cape Town,  
South Africa)

**Invited Speakers**

**to be confirmed:**

**Benestad R.** (NMI, Norway)  
**Carter T.** (SYKE, Finland)  
**Challinor A.** (Univ. Leeds, U.K.)  
**Christensen O.** (DMI, Denmark)  
**Coppola E.** (ICTP, Italy)  
**Gutowski W.** (Iowa State Univ., U.S.A.)  
**Horton B.** (NASA, USA)  
**Jacob D.** (MPI-M/GKSS, Germany)  
**Jones R.** (Met Office, U.K.)  
**Karambiri H.** (2iE, Burkina Faso)  
**Kwon W.T.** (KMA, South Korea)  
**Kumar K.** (IITM, India)  
**Mearns L.** (NCAR, USA)  
**Morse A.** (Univ. Liverpool, U.K.)  
**Paeth H.** (Univ. Würzburg, Germany)  
**Porfirio Rocha R.** (USP, Brazil)  
**Ruti P.** (ENEA, Italy)  
**Solman S.** (Univ. Buenos Aires, Argentina)  
**Whetton P.** (CSIRO, Australia)  
**Zebiak S.** (IRI, USA)

**Lecturers and Laboratory Instructors:**

**to be confirmed:**

**Lennart C.** (Univ. Cape Town, South Africa)  
**Mariotti L.** (ICTP, Italy)  
**Nikulin G.** (SMHI, Sweden)  
**Samuelsson P.** (SMHI, Sweden)  
**Stone D.** (Univ. Cape Town, South Africa)  
**Tadross M.** (Univ. Cape Town, South Africa)

**APPLICATION DEADLINE**

**10 December 2010**