



SECOND ICTP WORKSHOP ON 'THE THEORY AND USE OF REGIONAL CLIMATE MODELS'

31 May - 9 June 2004

Miramare-Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics (Abdus Salam ICTP) is organizing its 'Second Workshop on the theory and use of regional climate models', to be held from 31 May to 9 June 2004, in Trieste, Italy.

Regional climate models are very important climate research tools available to scientists from developing countries. The ICTP Physics of Weather and Climate (PWC) group maintains and distributes a state-of-the-art regional climate model (RegCM), which is currently used by a wide research community for a range of studies. This community forms the basis of a regional climate research network (RegCNET) aimed at developing research projects related to climate change issues over different regions of the world. The workshop is intended to provide lectures and hands-on sessions on the theory of regional climate change and regional climate modeling as well as the use of the RegCM modeling system. The workshop will also provide a forum for current and future participants to the RegCNET to review and discuss their project results and plans. A limited number of participants are envisioned, with proven experience in atmospheric modeling and a strong interest in regional climate studies.

The workshop will cover the following *topics*:

- The physical processes that regulate regional climates;
- Climate change at the regional scale;
- Uncertainties in regional climate change projections;
- Regional climate modeling;
- The ICTP-PWC regional climate model (RegCM);
- Current applications of the RegCM.

Presentations by participants on their regional climate research are welcome. If you wish to make a presentation, please include the title and a one-page abstract together with the application form.

PARTICIPATION

The workshop is intended for scientists and graduate students working in the areas of Atmospheric Physics and Dynamics, Climatology, Oceanography, Physics and Mathematics. It is open to scientists from all member countries of the United Nations, UNESCO and IAEA. Although the main purpose of the Abdus Salam ICTP is to help researchers from developing countries through a program based on international cooperation, scientists from developed countries are also welcome to attend. The activity will be conducted in English. Limited funding (including travel grants) for participation in the workshop is available for scientists from developing countries. Such financial support is granted only for those who attend the entire activity. Registration is free-of-charge.

Those wishing to apply should complete and return the "Request for Participation" form, to be found at the back of the Bulletin (via WWW Server: <http://agenda.ictp.trieste.it/agenda/> & web address <http://www.ictp.trieste.it/~smr1565/>). The deadline for submitting requests for participation to the workshop is **20 February 2004**. The completed form should be sent either by electronic mail, fax or mail to:

Second ICTP Workshop on the Theory and Use of RegCMs
the Abdus Salam International Centre for Theoretical Physics (ICTP)
c/o Lisa Iannitti
Strada Costiera 11, 34014 Trieste, Italy

electronic mail to: smr1565@ictp.trieste.it
(please save and send file attachments in RTF format)

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Directors

F. Giorgi (ICTP, Italy)
J. Pal (ICTP, Italy)
L. Sloan (U.C. Santa Cruz, USA)

Invited Lecturers

R. Arritt (Iowa State U., USA)
X. Bi (ICTP, Italy)
F. Giorgi (ICTP, Italy)
W. Gutowski (Iowa State U., USA)
G. Jenkins (Howard U., USA)
J. Pal (ICTP, Italy)
J. Qian (IRI, USA)
F. Semazzi (NCSU, USA)
A. Seth (IRI, USA)
L. Sloan (U.C. Santa Cruz, USA)
F. Solmon (ICTP, Italy)

***Deadline for
Requesting funds***

20 February 2004

