

10th ICTP Workshop on the Theory and Use of Regional Climate Models



8 - 12 November 2021
An ICTP Virtual Meeting
Trieste, Italy

Further information:
<http://indico.ictp.it/event/9643/>
smr3575@ictp.it

This is the 10th workshop of the series on regional climate modeling and the ICTP RegCM modeling system. The focus of the workshop will be on the testing and release of the 5th generation version of the model RegCM5, which includes a new non-hydrostatic dynamical core.

Directors:

F. GIORGI, ICTP, Italy
E. COPPOLA, ICTP, Italy
X. GAO, IAP, BEIJING, China
M. REBOITA, U. FEDERAL DE ITAJUBA, Brazil

Local Organisers:

F. GIORGI, ICTP, Italy
E. COPPOLA, ICTP, Italy

Description:

The workshop will include theoretical and tutorial lectures on regional climate modeling in general, the history and performance of the RegCM system, its application to different CORDEX activities (CORDEX-CORE, CORDEX FPS) and the structure of the new version RegCM5. The participants will be requested to learn how to run the new model and carry out short experiments over different domains, possibly testing different model components, both at convection-permitting resolutions of a few km and coarser resolutions of a few tens of km.

Topics:

- Regional climate modeling
- Added value of RCMs
- The Coordinated Regional Climate Downscaling Experiment (CORDEX)
- History of the regional modeling system RegCM
- Analyses of the recently completed CORDEX-CORE ensemble simulations
- Simulations at convection permitting scales
- The new dynamical core of RegCM5

Speakers:

S. ABBA-OMAR, ICTP, Italy
M. ASHFAQ, ORNL, USA
M. BUKOVSKY, NCAR, USA
T. CAVAZOS, CICESE, Mexico
J. CIARLO, OGS, ICTP, Italy
R.P. DA ROCHA, Universidade de Sao Paulo, Brasil
S. DAS, ICTP, Italy
F. DI SANTE, OGS, ICTP, Italy
O. DROFA, CNR, Italy
G. GIULIANI, ICTP, Italy
R. GLAZER, ICTP, Italy
E.-S. IM, UST, Hong-Kong
M. LLOPART, SPSU, Brasil
R.B. LUNA NIÑO, CICESE, Mexico
S. MUELLER, ICTP, Italy
R. NOGHEROTTO, OGS, ICTP, Italy
M. G.-V. OJEDA, INOGS, ICTP, Italy
E. PICHELLI, ICTP, Italy
W. SAWADOGO, University of Augsburg, Institute of Geography, Germany
J.A. TORRES-ALAVEZ, ICTP, Italy

How to apply:

Online application:
<http://indico.ictp.it/event/9643/>

Female scientists are encouraged to apply.

Registration:

There is no registration fee.

Deadline:

22 October 2021



The Abdus Salam
International Centre
for Theoretical Physics
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Trieste, Italy

