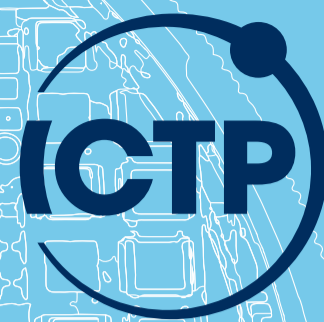


# Ninth ICTP Workshop on the Theory and Use of Regional Climate Models



**28 May - 8 June 2018**  
**Trieste, Italy**

Further information:  
<http://indico.ictp.it/event/8313/>  
[smr3208@ictp.it](mailto:smr3208@ictp.it)

This is the ninth edition of the biannual ICTP workshop series on regional climate modeling and the ICTP model RegCM. The focus of this workshop will be on the analysis of a new generation of climate change projections over regions worldwide, as part of the CORDEX program.

## Description:

The ICTP regional climate modeling system RegCM4 is part of the CORDEX-CORE initiative, which entails the completion of a new set of downscaled climate projections over most CORDEX domains for two greenhouse gas concentration scenarios (RCP8.5 and RCP2.6) at a horizontal grid spacing of 25 km. These RegCM4 projections are being completed at ICTP and other laboratories as a community effort aimed at producing climate information for impact assessment studies and contributing to the activities of the Intergovernmental Panel on Climate Change (IPCC). It is expected that by the date of the workshop a number of new projections will be available for multiple domains, and therefore the workshop will be an optimal venue to analyze these projections and exchange experience across different domains and regions. Experience with the RegCM4 model and with the analysis of regional model output is an important requirement for participation.

## Topics:

- Lectures and extensive hands-on sessions on the theory of regional climate change and regional climate modeling as well as the use of the RegCM modeling system with focus on the analysis and interpretation of the output of regional model projections;
- Assessment of model performance, performance metrics and model systematic errors, identification and quantification of added value, study of phenomena relevant to different regions, uncertainty in projections and their dependence on model biases;
- Scientific paper writing;
- Discussion of a series of papers on the analysis of the next generation RegCM4 projections over different CORDEX domains;
- Completion of short research projects.

## How to apply:

Online application:  
<http://indico.ictp.it/event/8313/>

Female scientists are encouraged to apply.

## Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

## Directors:

Filippo Giorgi, ICTP, Italy  
Erika Coppola, ICTP, Italy  
Mouhamadou B. Sylla, WASCAL, Burkina Faso  
Marta Llopart, UNESP, Brazil

## Speakers:

M. Ashfaq, ORNL, USA  
M. Belda, Charles U., Czech Republic  
M. Bukovsky, NCAR, USA  
T. Cavazos, CICESE, Mexico  
S. Das, ICTP, Italy  
A. Fantini, ICTP, Italy  
R. Fuentes-Franco, SMHI, Sweden  
X. Gao, IAP, CAS, China  
T. Halenka, Charles U., Czech Republic  
E.-S. Im, The Hong Kong University of Science and Technology  
R. Nogherotto, ICTP, Italy  
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R. Porfirio Da Rocha, U. of Sao Paulo, Brazil  
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C. Torma, Eotvos Lorand U., Hungary

## Lab Instructors:

S. Dash, ICTP, Italy  
F. Di Sante, ICTP, Italy  
G. Giuliani, ICTP, Italy  
F. Raffaele, ICTP, Italy

## Deadline:

**15 February 2018**

