

Fifth Workshop on Water Resources in Developing Countries: Hydroclimate Modeling and Analysis Tools

27 May - 07 June 2019
Trieste, Italy



Further information:
<http://indico.ictp.it/event/8685/smr3294@ictp.it>

The Workshop is addressed to researchers from developing regions with the aim to foster international research and educational projects on topics related to climate and hydrology, and will be a contribution to the G-WADI programme within the framework of UNESCO IHP VIII (2014-2021), Water Security: Responses to Local Regional and Global Challenges.

Description:

Fresh water availability can vary over time due to reductions or increases of precipitation and all the hydrological cycle components. Climate extremes are one factor that can influence them, therefore, it is imperative to better understand and predict precipitation variability and change. To this aim, the regional climate community is moving toward very high-resolution simulation ensemble efforts and is working to implement fully coupled Earth System models to be able to understand the role of coupled water cycle and land atmosphere interactions in understanding local climate response. This will open new frontiers for the hydrological modeling community by improving the quality of the prediction of the hydrological cycle across several scales, from catchments to regional to global.

Topics:

- How can precipitation measurements be used to validate model simulations.
- How to use ensembles of high-resolution regional climate model as input of a hydrological model.
- Which is the role of the coupled water cycle in the Regional Earth System models.
- How can the uncertainty in global and regional climate projections be taken into account for hydro-climate simulation.

How to apply:

Online application:
<http://indico.ictp.it/event/8685/>

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:

S. Sorooshian, University of California, Irvine, USA
M. Verdecchia, University of L'Aquila, Italy

Local Organizers:

E. Coppola, ICTP, Italy
F. Di Sante, ICTP, Italy

Speakers:

S. Sorooshian, University of California, Irvine, USA
M. Verdecchia, University of L'Aquila, Italy
E. Coppola, ICTP, Italy
R. Ludwig, Maximilians U. Munich, Germany
P. Nguyen, University of California, Irvine, USA
F. di Sante, ICTP, Italy
L. Mariotti, OGS, Italy
A. Fantini, ICTP, Italy
R. Nogherotto, ICTP, Italy

and to be announced

Deadline:

15 March 2019



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