

Fourth Workshop on Water Resources in Developing Countries: Hydroclimate and Analysis Modelling

12 - 23 June 2017
Trieste, Italy



Further information:
Activity URL: <http://indico.ictp.it/event/7969/>
E-mail: smr3125@ictp.it

The Workshop is addressed to researchers from developing regions working on hydro-climate modelling with the aim to foster international research and educational projects on topics related to climate and hydrology.

Description:

One of the WCRP great challenges is the focus on changes in water availability and in particular on the ability of the scientific community to be able to understand and predict precipitation variability and change.

By improving the observational system both based on in situ observations and satellite observations, the model validation is becoming more and more accurate and this will allow us to improve our understanding of atmospheric and land surface processes and finally to better predict precipitation. On the other side, the regional climate model community and CORDEX are moving towards very high-resolution simulation ensemble efforts down to the scale of the convective permitting resolution (1-3 km). This will open new frontiers for the hydrological model community because it will bridge the spatial scale gap between the regional climate models and impact models (hydrological models, ecosystem models etc.) communities.

Topics:

This workshop will focus on the state of the art of:

- Precipitation measurements. What can we use to validate precipitation coming from the model output?
- Ensemble of high-resolution regional climate model outputs. How can those be used as input to a hydrological model?
- Uncertainty in global and regional climate projections. How can this uncertainty be taken into account for hydro-climate simulation?

Directors:

S. SOROOSHIAN, U. of California, USA
L. MARIOTTI, OGS, Italy
M. VERDECCHIA, U. of L'Aquila, Italy

Local Organizer:

E. COPPOLA, ICTP, Italy

Speakers:

M. BENISTON, U. of Geneva, Switzerland
E. COPPOLA, ICTP, Italy
R. LUDWIG, Maximilian U., Munich, Germany
L. MARIOTTI, OGS, Italy
S. SOROOSHIAN, U. of California, Irvine, USA
M. VERDECCHIA, U. of L'Aquila, Italy

others to be announced

How to apply:

Online application:
<http://indico.ictp.it/event/7969/>

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.

Deadline:

15 March 2017



The Abdus Salam
International Centre
for Theoretical Physics
www.ictp.it
Strada Costiera 11, 34151 Trieste, Italy

