

2nd Workshop on Water Resources in Developing Countries: Planning and Management in a Climate Change Scenario

6 - 17 May 2013
ICTP, Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics (ICTP) is organizing the 2nd Workshop on Water Resources in Developing Countries: Planning and Management in a Climate Change Scenario, to be held at **ICTP, Trieste, Italy** from **6 - 17 May 2013**.

Water is one of the main resources that are threatening by climate change. According to the last IPCC climate model projections several region of the world are considered to be hot spots, like for example the Mediterranean basin, western and southern Africa and northeastern Brazil because they are particularly exposed to climate change impact due to the projected water decrease. All over the globe the negative impact of climate change on water resources is expected to outweigh the benefit, therefore this impose the need of developing as soon as possible adaptation and mitigation strategies in many regions of the world.

In the last few years a framework was initiated called the Coordinated Regional climate Downscaling Experiment (CORDEX) (Giorgi et al, 2009). One of the main targets of the CORDEX framework is to produce climate projections for the use in impact and adaptation studies by downscaling with ensemble of regional climate models, most of the next available CMIP5 climate simulations to several regional domains know as the CORDEX domains.

The main purpose of the workshop will be to make the participants aware of all this available climate data and to understand how to downscale these data to a resolution needed for hydrological simulations.

The workshop is composed of one week lectures and laboratory training followed by a second week of laboratory sessions.

Topics:

- Use and uncertainty of the main observational hydrological data.
- Use and uncertainty of the main climate model dataset from CMIP5 ensemble dataset and CORDEX ensemble dataset.
- Impact modeling for hydrological simulation.
- Bias correction technique for bridging the GAP between climate and hydrological model resolution.
- Use the available in-house hydrological model CHyM (Coppola et al., 2006).

Participation:

Scientists and students from all countries that are members of the United Nations, UNESCO or IAEA may attend the Workshop. As it will be conducted in English, participants should have an adequate working knowledge of this language.

As a rule, travel and subsistence expenses of the participants should be borne by the home institution. Every effort should be made by candidates to secure support for their fare (or at least half fare). However limited funds are available for some participants who are nationals of, and working in, a developing country, and who are not more than 45 years old. Such support is available only for those who attend the whole activity. There is no registration fee.

How to apply for Participation:

The on-line application form can be accessed via the ICTP activity agenda page at: <http://agenda.ictp.it/smr.php?2457> Once in the website, comprehensive instructions will guide you step-by-step, on how to fill out and submit the application form. Please send all file attachments in Word or PDF format.

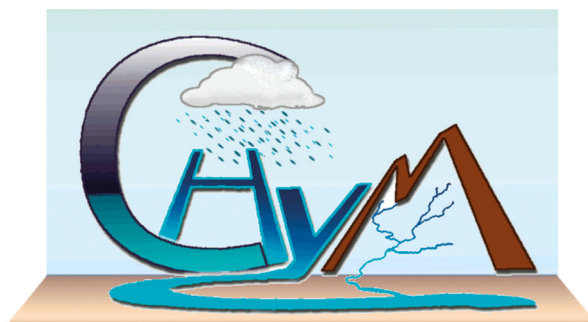
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and to be announced

APPLICATION DEADLINE

28 February 2013