

Targeted Training Activity (TTA) 2017: Monsoons in a Changing Climate



31 July - 4 August 2017
Trieste, Italy

Further information:
Activity URL: <http://indico.ictp.it/event/8054/>
E-mail: smr3170@ictp.it

This TTA will focus on the monsoons in a changing climate. After the release of the IPCC report in 2013 there has been a lot of interest in the projections of the Asian monsoon in the 21st century. The workshop will consist of invited lectures and analysis of projected monsoons by the participants.

Description:

Since 2004, the ICTP Earth System Physics section has conducted "Targeted Training Activity (TTA)," a specialized educational activity with a team-oriented nature. This team-oriented aspect is aiming to develop groups of scientists who can work together on a specific goal within a developing-country institution. Previous TTAs on the seasonal predictability in tropical regions have been successful to initiate seasonal climate prediction researches and contributed to operational application in the developing countries.

During the TTA there will also be a 1.5 day workshop on climate dynamics of the Himalayas and Tibetan Plateau Himalayan climate. Since the Himalayan mountains are a source of water for the many major rivers in Asia, affecting billions of people, there is a lot of interest in the projections of climate in the entire Himalayan region. The Asian Monsoon system is the most powerful monsoon system on our planet and derives from the combined influence of the ocean land distributions and especially the Himalaya mountains and Tibetan Plateau. It is of great socio-economic consequence to more than 16 neighboring countries. The program will discuss atmospheric dynamics, land-sea-air coupling, ecology, river systems, recent ENSO events, and long distance tele coupling of the Asian Monsoon into the entire world system.

Topics:

- Monsoons in current climate;
- Decadal to multidecadal variations of monsoons and mechanisms for these variations;
- Trends in monsoons;
- CGM projections of Monsoons in future climate;
- ENSO and variability of the Asian monsoon;
- Impacts of the Tibetan- Iranian Plateau System (TIPs) on Asian monsoon;
- Influences of the Giant Mountains in Asia on Regional and Global Climate and Environment;
- Himalayas climate modeling and Asian climate change risk assessment.

How to apply:

Online application:
<http://indico.ictp.it/event/8054/>

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:

Jagadish Shukla, COLA, George Mason University, USA
Surya Anguluri, IITM, Pune, India
R. Krishnan, IITM, Pune, India
Bob Bishop, ICES, Geneva, Switzerland
Guoxiong Wu, LASG, China
Fred Kucharski, ICTP, Italy

Local Organizer:

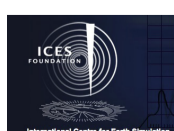
Fred Kucharski, ICTP, Italy

Speakers:

to be announced on the activity website:
<http://indico.ictp.it/event/8054/>

Deadline:

1 May 2017



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