

Advanced School on *Earth System Modelling* & Workshop on *Climate Change and Regional Impacts over South Asia* July 18 - 29, 2016

**Indian Institute of Tropical Meteorology (IITM)
Pune, India**

The Indian Institute of Tropical Meteorology (IITM) and the Abdus Salam International Centre for Theoretical Physics (ICTP, Trieste, Italy) are jointly organizing an **Advanced School on Earth System Modelling (ESM)** during (18-27 July), followed by a **Workshop on Climate Change & Regional Impacts over South Asia** during (28-29 July), at the IITM, Pune, India.

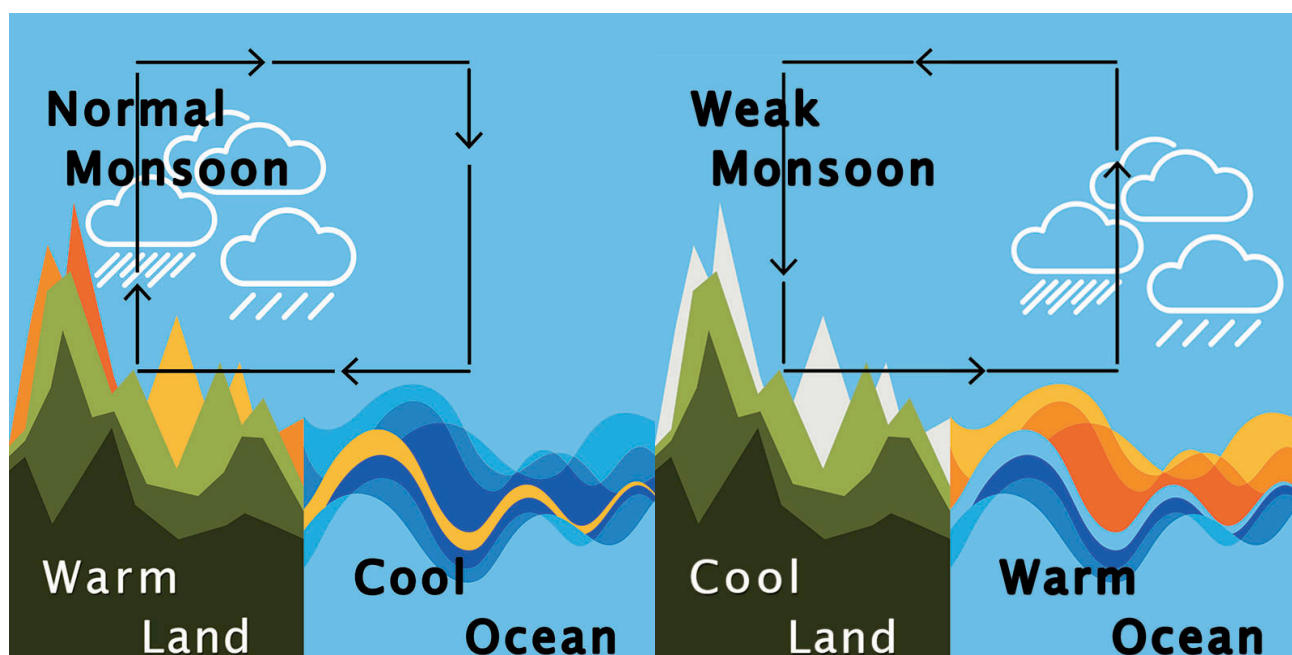
The IITM is a Centre of Excellence in basic research pertaining to Tropical Meteorology, Regional and Global Monsoon Systems, Ocean-Atmosphere Coupled Climate System, Physical Meteorology & Oceanography, Atmospheric Chemistry & Science of Climate Change. This Institute is actively involved in modelling, simulation and prediction of global climate and regional monsoons on different time-scales, using fully coupled climate models.

Advanced School on Earth System Modelling (18-27 July)

The newly developed IITM Earth System Model (IITM ESM) will be the focus of the School and used during the practical sessions. The IITM ESM will contribute climate simulations & projections for the forthcoming Intergovernmental Panel on Climate Change Assessment Report 6 (IPCC AR6). The School consists of **(a)** Forenoon sessions with key lectures delivered by experts on fundamental topics in Climate Science and ESM and **(b)** Afternoon sessions devoted to Practical training with the IITM ESM.

Workshop on Climate Change and Regional Impacts over South Asia (28-29 July 2016)

Climate variability and change exert significant influence on society and natural environments, with consequent impacts on agriculture, water-resources, health, terrestrial and marine ecosystems, energy, industry and various sectors. There are major uncertainties in understanding climate change and its impacts at regional levels. The broad objectives of the workshop are to provide an overview of the regional aspects of climate change and impact assessments in the South Asian context, deliberate on gap areas and propose directions for future research work.



(Roxy M. Koll)

PARTICIPATION: The ESM School and the following Workshop will benefit Ph.D. students, Post-docs and Scientists from Universities and Research Institutions, particularly from the South Asian region and the Indian Ocean rim countries. The school will cover all topics of Earth System Modelling, from the ocean and atmosphere systems to land and ocean biogeochemistry. At the end of the school, we expect student teams to have completed a model run and make a public presentation of key results of the simulation.

A limited number of grants are available to support the travel and living expenses of selected participants. The School will be conducted in English. **Registration is free-of-charge for all attendees.**

The "On-line Application" form can be accessed on the **ICTP activity website** at:

<https://e-applications.ictp.it/applicant/login/2837>

inclusive of a **step-by-step instruction guide**.

(Please save and upload file attachments in either: **RTF format, .doc or .pdf**)

PRE-ACTIVITY SECRETARIAT:

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March 2016

Co-sponsors



सत्यमेव जयते
Indian Ministry of
Earth Sciences (MOES)



ESSO
Earth System Science
Organization Ministry of Earth Science



IITM - PUNE



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DEADLINE: April 30, 2016

ICTP Home page: <http://www.ictp.it/>
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