

Workshop on Climate Change and Regional Impacts over South Asia
Indian Institute of Tropical Meteorology, Pune, India
28-29 July 2016

Date: 28 July 2016

09:30 - 11:00 Registration & Poster Presentations

11:00 - 11:30 Tea

11:30 -11:40 Lighting lamp and Invocation

11:40 - 11:50 Welcome address by Director, IITM, Pune

11:50 - 12:00 Inaugural Address by Dr. Satheesh Shenoi, Director, ESSO-INCOIS, ESSO-NIOT

12:00 – 12:30 Special lecture "Elements of sea level in a changing climate"- Dr. Steve Griffies, GFDL, Princeton, USA

12:30 – 13:00 Special lecture on "Amazonian Climate Variability & Change"- Dr. Paulo Nobre, INPE, Brazil

13:00 - 14:00 Lunch

Session I: Understanding monsoons under changing climate (Chair: Dr. Satheesh Shenoi)

14:00 - 14:20 R.Krishnan, IITM, Pune Understanding recent changes in the South Asian monsoon precipitation

14:20 - 14:40 M. Bollasina, Univ of Edinburgh, Scotland - South Asian monsoon response to global warming and anthropogenic aerosols

14:40 - 15:00 M. G. Yadava, PRL, Ahmedabad, India: Indian Monsoon variability during the last 20000 years through proxy records

15:00 - 15:20 P. Swapna, IITM, Pune: Simulation of Indian monsoon variability and its teleconnections in IITM ESM

15:20 - 15:40 D.S. Pai, IMD, Pune Role of MJO on predictability of the Indian Monsoon

15:40 - 16:00 Tea

Session 2: Marine Environment and Cryosphere (Chair: Prof. S. Ramachandran)

16:00 - 16:20 Satheesh Shenoi, INCOIS, Hyderabad, Observed variability of the Indian Ocean heat content during recent decades

16:20 - 16:40 Thamban Meloth, NCAOR, Goa, Mass balance of benchmark glaciers in Chandra basin, Western Himalaya.

16:40 - 17:00 Arun Shrestha, ICIMOD, Kathmandu, Nepal: Climate change impact on the water availability of the Hindu Kush Himalaya region

17:00 - 17:20 Terry Pascal, IPSL, Paris: Impacts of Indian and Atlantic oceans on ENSO in a comprehensive modelling framework

17:20-17:40: Ashok Karumuri, Univ. of Hyderabad: - Indian Summer Monsoon climate and relevance of its teleconnections during last millennium : a PMIP3 view

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Session 3: Regional response to climate change (Chair: Massimo Bollasina)

09:30 - 09:50 J. Sanjay, IITM, Pune: Regional climate response to land surface variability

09:50 - 10:10 S. Ramachandran, PRL, Ahmedabad: Role of aerosols on the regional climate

10:10 – 10: 30 Dilip Ganguly, IIT Delhi: Towards improving the representation of aerosols and clouds in climate models for better simulations of the Indian Monsoon

10:30 - 10:50 Vinayak Sinha IISER Mohali: Atmospheric chemistry and regional climate

10:50: - 11:10 V.M.Tiwari, NGRI, Hyderabad: Estimation of water mass variability from satellite data

11:10 - 11:30 Somnath Baidya Roy, IIT Delhi: Impacts of Climate Change on Agriculture and Forestry

11:30 - 12:00 Tea

Session 4: Way forward: Discussion and Recommendations

12:00-13:00

13:00 - 14:00 Lunch