International Training centre for Operational Oceanography (ITCOcean) at INCOIS, Hyderabad

Dr. S.S.C. Shenoi
Indian National Centre for Ocean Information Services (INCOIS)
Hyderabad - 500 090

Objectives

• To provide advanced training in operational oceanography for young scientists, technical (S&T) persons and decision makers from India, IOR countries and other developing nations.
• To provide ship board experience and training in observational oceanography using state-of-the-art instrumentation
• To promote excellence in integrated multidisciplinary oceanography on a global scale to improve understanding and management of natural resources.
• To help scientists to be in a state of preparedness for nowcasting and forecasting the behavior of the oceans and also to address the role of ocean science and technology in delivering information critical to safety, commerce and environmental protection.
International Training Centre for Operational Oceanography (ITCOcean)

Signed an MOA with IOC/UNESCO to organize national/international level training programmes in collaboration with IOC’s capacity development programmes in July 2013.

- **Short course on “Ensemble Kalman Filtering - Methods and Algorithms for Data Assimilation” during July 15-26, 2013**
  - Faculty - Prof. Lakshmi Varahan, The University of Oklahoma, USA
  - 40 Participants from NCMRWF, IITM, INCOIS, UoH, JU, JNTU

- **Summer School on “Fundamentals of Ocean Climate Modeling at Global and Regional Scales” during August 5-14, 2013 in collaboration with International Centre for Theoretical Physics (ICTP) and CLIVAR.**
  - Faculty - NOAA/GFDL, USA; Rutgers University and Princeton University, USA; CSIRO, Australia; ICTP, Italy; CMMACS and INCOIS, India
  - 30 Participants from Australia, Belgium, Nigeria, Kenya, India (NCMRWF, IITM, INCOIS, NIO, IISc, JU)
Planned courses during 2014

i) One-week course on Remote sensing of Potential Fishing Zones (PFZ) and Ocean State Forecasts during March 24-29, 2014 specially designed for Indian Ocean RIM Countries

ii) Tsunami SOP familiarization - 1 day intensive training course during April-May 2014 for the officials of state and national disaster management officials.

iii) Tsunami Warning – Customized one week course for the officials of Oman Tsunami Warning Centre

iv) Two day workshop on Ocean Information and Ocean Data Products for the cyclone forecasters of IMD during March/April 2014.

v) Training workshop on the Use of Satellite Wind and Wave observations in Marine Forecasting for the Indian Ocean region planned jointly with NOAA – a two week training course during September 2014

vi) Operational Oceanography- Two months Certificate course being planned jointly with Ocean Teacher Academy of IODE/IOC during Oct –Dec 2014