



ITCOcean



**Training course on
"Indian Ocean Currents : Data, Processing and Applications"
during November 7-11, 2016 Organized by**

**International Training Centre for Operational Oceanography (ITCOcean)
ESSO-INCOIS, Hyderabad, India**

Overview :

Ocean currents can be measured using Drifting buoys, Acoustic Doppler Current Profiler (ADCPs), Current Meter Mooring and HF Radars. While these instruments give data at point locations the spatial distribution of currents can be obtained from Altimeters. There are several ADCPs installed all along the coasts of India and maintained by National Institute of Oceanography (NIO), Goa. In recent years, ESSO-National Institute of Ocean Technology (NIOT) has installed and managing about 5 pairs of HF Radars covering east and west coast, that are reporting high resolution currents on real time to INCOIS. Data from these ADCPs and HF Radars are archived at INCOIS and are being used for many scientific studies and validation of model outputs.

Aims & Objectives:

In this course, we intend to introduce the basics of the processing, quality control and analysis of currents from ADCPs and HF Radars. The potential applications demonstrating use of the current data sets will be highlighted.

Pre-requisites:

Masters / Ph D in Physical Oceanography, Atmospheric Science, Mathematics. Minimal basic mathematics and computer skills will be assumed. Preference will be given to research scholars pursuing PhD in Oceanography. M. Sc/M. Tech/B. Tech students need not apply.

Course Fee:

There is no course fee charged for the training course. The participants are expected to make their own arrangements for all expenses. However, INCOIS can provide accommodation at their Hostel on payment basis for few deserving candidates. Preference in admission will be given to candidates who are supported by their own organizations.

Notes:

- The interested candidates may apply online by visiting <http://www.incois.gov.in/ITCOcean/cdpa.jsp> before October 10, 2016.
- Medium of instruction is English only.
- Interested candidates should upload the following documents:
 - Latest passport photograph
 - Endorsement letter (from research guide or Employer or head of the department/institute)
- In case of any difficulty in uploading send email to webmaster@incois.gov.in / itcocean@incois.gov.in.

Faculty Members:

- Dr. Aparna,
CSIR-NIO, Goa
 - Dr. Amol Prakash,
CSIR-NIO, Goa
 - Dr. B.K Jena,
ESSO-NIOT, Chennai
- In addition scientists from ESSO-INCOIS will be involved in organizing hands-on-exercises.

Important Dates:

- Last date for submission of online Application :
10 October , 2016
- Intimation to selected candidates :
15 October, 2016
- Course dates:
7-11 November, 2016

Venue

International Training Centre
for Operational Oceanography
(ITCOcean)
Indian National Centre for
Ocean Information Services
(INCOIS)
(Ministry of Earth Sciences,
Government of India)
"Ocean Valley",
Pragathi Nagar (B.O.)
Nizampet (S.O.),
HYDERABAD - 500 090