



International Winterschool on: 'Using models to advance our understanding of the Indian Ocean biogeochemical variability'

16–21 February 2015
CSIR-National Institute of Oceanography
Dona Paula, Goa

Sponsored by
CSIR-National Institute of Oceanography (CSIR-NIO)
Institut de Recherche pour le Développement (IRD)
Laboratoire d'Océanographie et du Climat: Expérimentations et Analyses Numériques (LOCEAN)
French Embassy in India

A winterschool will be held at CSIR-National Institute of Oceanography (CSIR-NIO, Goa, India) during 16–21 February 2015. This winterschool is designed for advanced Ph.D. students and early career scientists who want to improve their knowledge on biogeochemistry of the Indian Ocean region and of its physical forcing by climate variability. This course will in particular help to develop a background in biogeochemical and physical ocean modelling. Run by international climate and biogeochemistry experts, the course will include:

- (1) Background classes on ocean and climate variability, with a focus on the Indian Ocean.
- (2) Review classes on our current understanding of chlorophyll, carbon, and oxygen variability in the Indian Ocean and its relationship to climate variability, based on analysis of both observation and model.
- (3) The workshop will offer for selected students/scientists an extra 2-days hands-on session to learn how to install, run and evaluate biogeochemical models.

Confirmed lecturers: Jerome Vialard (LOCEAN), Matthieu Lengaigne (LOCEAN/NIO), Raghu Murtugude (UMD-IISER-Pune), Marina Levy (LOCEAN), SWA Naqvi (CSIR-NIO), Laurent Bopp (LSCE), Gurvan Madec (LOCEAN), Zouhair Lachkar (NYUAD/ETH), Shafer Smith (CAOS/NYU), R. Benshila (LOCEAN), C. Ethe (LOCEAN).

The total number of seats in the 4-days classes will be about 30 while the number of seats for the 2-days hands-on session will be about six. Please refer to CSIR-NIO website (www.nio.org) under 'Upcoming Events' for the application form. The last date for submission of the application is **31 December 2014**.

This winterschool is intended primarily for the Indian nationals but we also encourage international students to apply. Places are awarded on a competitive basis. There is no fee for attending the school/training. Selected participants will be provided with accommodation and local hospitality during the course, but the participants are expected to take care of their travel expenses. Confirmation of participation will be provided by e-mail.

For any further query, please e-mail to: mlengaigne@nio.org, isuresh@nio.org