

INDO-EUROPEAN Research Facilities for Studies on Marine Ecosystem and Climate in India (INDO-MARECLIM)

Coordinated by: Prof. N.R. Menon

Nansen Environmental Research Centre India, Kochi , Kerala

Outline

- Presented by;
 - Lasse H. Pettersson, Nansen Certer, Bergen NORWAY
 - Ajith K. Joseph, Nansen Centre, Kochi, INDIA
- Background The Nansen Centers in Norway and India
- Indian network of cooperation since 1998
- The EC FP7 Inco-Lab INDO-MARECLIM project

Nansen Environmental and Remote Sensing Center

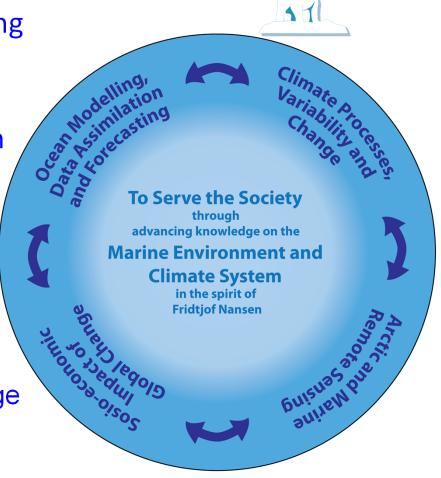
an independent research foundation in Bergen, Norway established in 1966 affiliated with the University of Bergen

VISION

To serve the society through advancing knowledge on the behavior of the marine environment and climate system in the spirit of Fridtjof Nansen

RESEARCH AREAS

- Climate processes, variability and chang
- Marine remote sensing studies
- Ocean modelling, data assimilation and forecasting
- Socio-economic impacts of global change



Nansen Environmental Research Centre (India)

Cochin, Kerala Director Dr. K. Ajith Joseph

- a non profit Environment and Climate research centre (SIRO) established in 1998

12°S

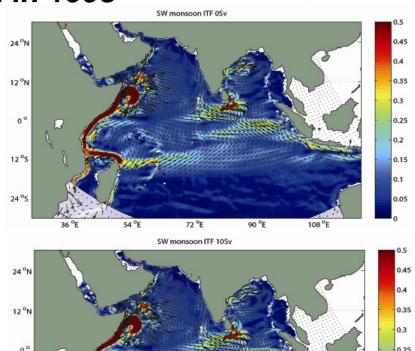
Vision

•Make a significant contribution to environmental and earth sciences research and applications in India through local capacity building as well as increased regional and international cooperation.

23 No. 12 No.

•Main research areas:

- Monsoon and ocean variability, Climate Change, Sea level variations
- •Marine Ecosystem studies with focus on forcing mechanisms and algal blooms
- •Coastal Zone Management and Societal issues



Cooperation in India – since 1998

- Indian National Centre for Ocean Information Services (INCOIS), Hyderabad, Andhra Pradesh
- Cochin University of Science and Technology (CUSAT), Cochin, Kerala
- Anna University, Chennai, Tamil Nadu
- Tata Environmental Research Institute (TERI), Delhi
- Kerala University of Fisheries and Ocean Studies (KUFOS), Cochin, Kerala
- Indian Institute for Tropical Meteorology (IITM), Pune, Maharashtra



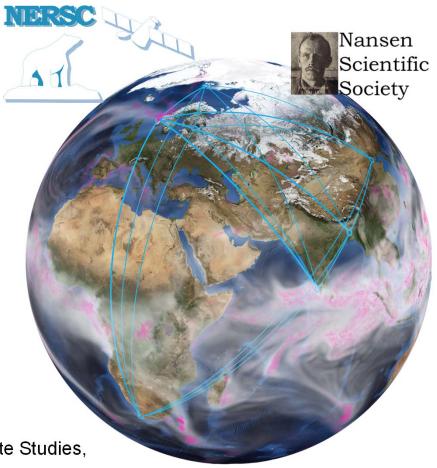




The Nansen Group

Founding leader: Prof. Ola M. Johannessen

- Nansen Environmental and Remote Sensing Center, Bergen, Norway 1986
- Nansen International Environmental and Remote Sensing Centre, St. Petersburg, Russia 1992
- Nansen Environmental Research Centre India, Cochin, India 1998
- Nansen-Zhu International Research Centre, Beijing, China 2003
- NERSC office @ UNIS, Longyearbyen, Svalbard 2006
- Nansen Scientific Society, Bergen, Norway 2007
- Nansen Tutu Centre for Marine Environmental Research, Cape Town, South Africa 2010
- Nansen International Centre for Coastal Ocean and Climate Studies, Dhaka, Bangladesh, 2012
- Terra Obit AS Bergen, Norway 1987
- ≈ 200 employees, including 75 PhD students









INDO-EUROPEAN Research

Facilities for Studies on

Marine Ecosystem and

Climate in India

(INDO-MARECLIM)

a project under the

EU-FP7 INCO-LAB-India call 2011

Duration: 2012-2015.

Coordinated by

Prof. N.R. Menon

Nansen Environmental Research Centre (India)

Kochí, Kerala

Overall Objective

- To use and extend the Nansen Environmental Research Centre - India (NERCI) as a joint research facility for scientific co-operation between India and the European Union member states and associated countries in the areas of:
 - monsoon climate variability, a)
 - marine ecosystems studies and b)
 - costal management, including impact on society.



Research project on climate change planned

Staff Reporter

tions in the European Union are joining hands with their Indian counterparts for stud- patterns, sea-level ies on marine ecosystems and climate change in India.

The Kochi unit of the Nansen Environmental Research Centre-India (NERCI) and its associates including Indi- development partnerships an National Centre for Ocean between institutions in Eu-Information Services, Anna rope and India, said Ola M. University, Cochin Universi- Johannessen, founding directy of Science and Technology, tor of the Nansen Environ-Kerala University of Fisher- mental and Remote Sensing ies and Ocean Studies and Centre, Norway. Toc H Institute of Science

some of the challenges of the hannessen said. Indian Ocean including changes in the monsoon patterns, sea-level rise, coastal production, fisheries and biodiversity processes. It will also look into marine ecosystem studies, including algae blooms and coastal zone management and impact on

The projects are also expected to contribute to building strategic research and

The project aims to KOCHI: A few research institu- analyse changes in the monsoon rise and coastal erosion.

The three-year project will and Technology will kick off also lead to the advancement the research projects shortly. of the scientific understand-The NECRI will provide ing and the capability for pre-Indian scientists the platform diction of processes related to for interaction with institu- the monsoon, marine living tions in U.K., France, Italy, resources and its resultant the Netherlands and Norway. socio-economic impact on The project aims to analyse the Indian society, Prof. Jo-

N.R. Menon, an Emeritus Professor at School of Marine Sciences, Cochin University erosion, changes in primary of Science and Technology, will be the coordinator of the project and along with Dr. Lasse Pettersson.

P.V. Joseph, former director of the Indian Meteorological Department, will lead the research component connected with monsoon, climate change, sea variations.

Specific Objectives

- To establish scientific cooperation within the three research areas.
- To organize and host workshops and summer school - aimed at expanding Indo-European network of cooperation.
- To define, prepare and submit competitive new joint scientific research proposals.
- Additional institutional arrangements at NERCI with new partners.