



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 Center, 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

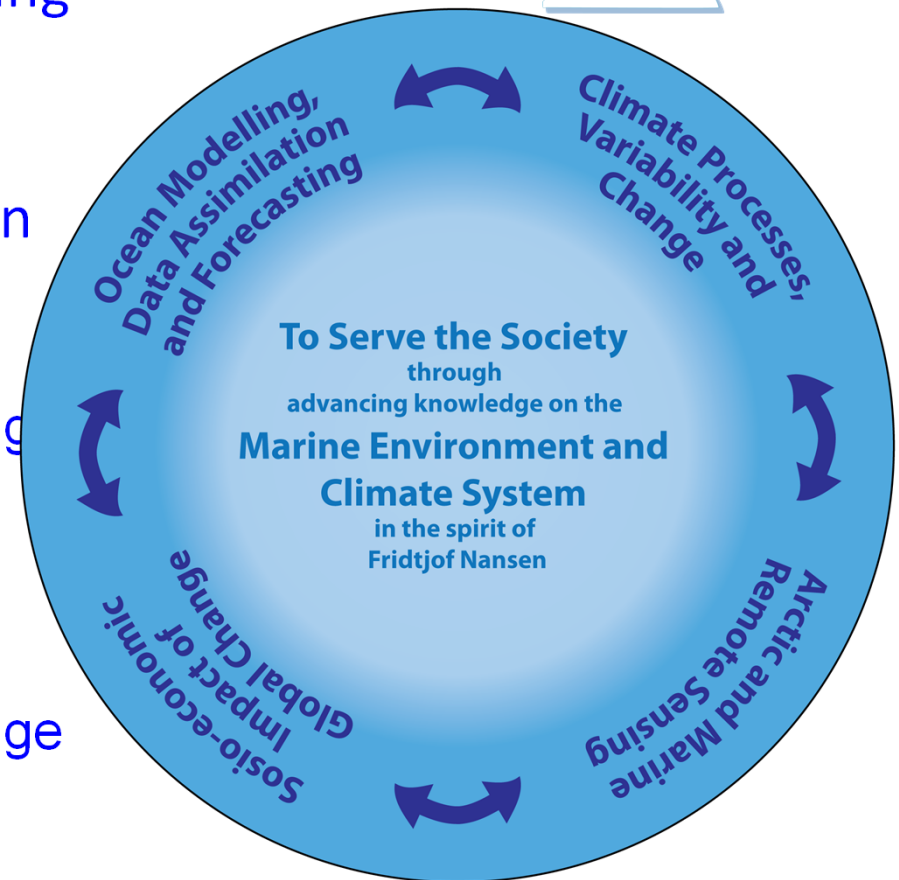
*an independent research foundation in Bergen, Norway established in 1986
affiliated with the University of Bergen*

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 change
- 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

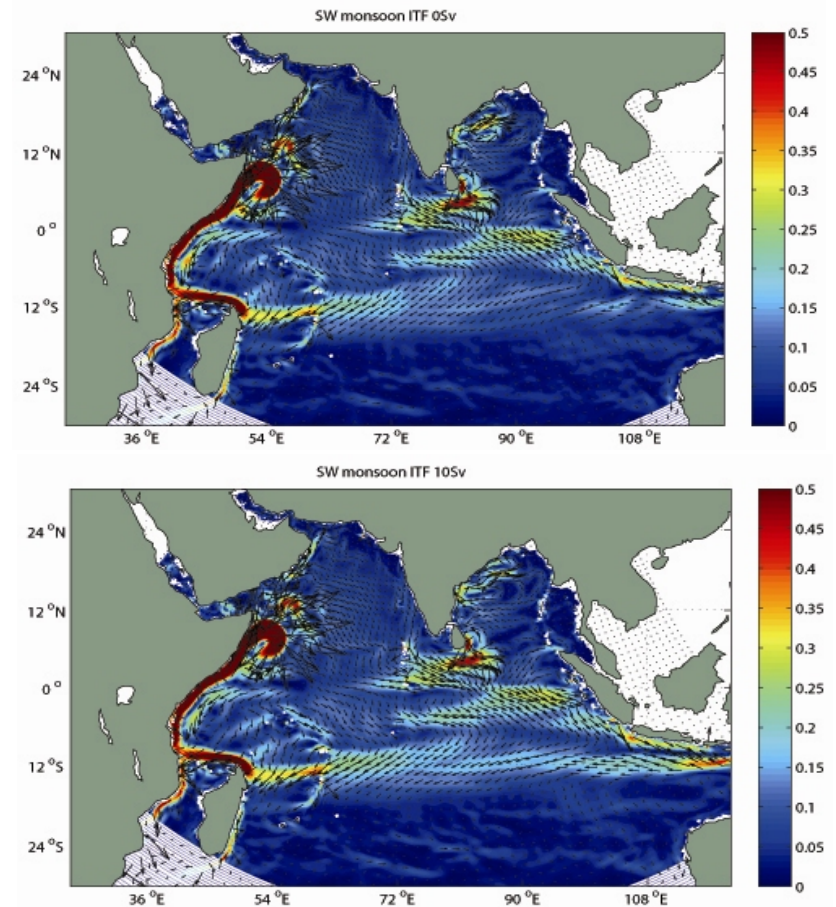


•Vision

- 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.

•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

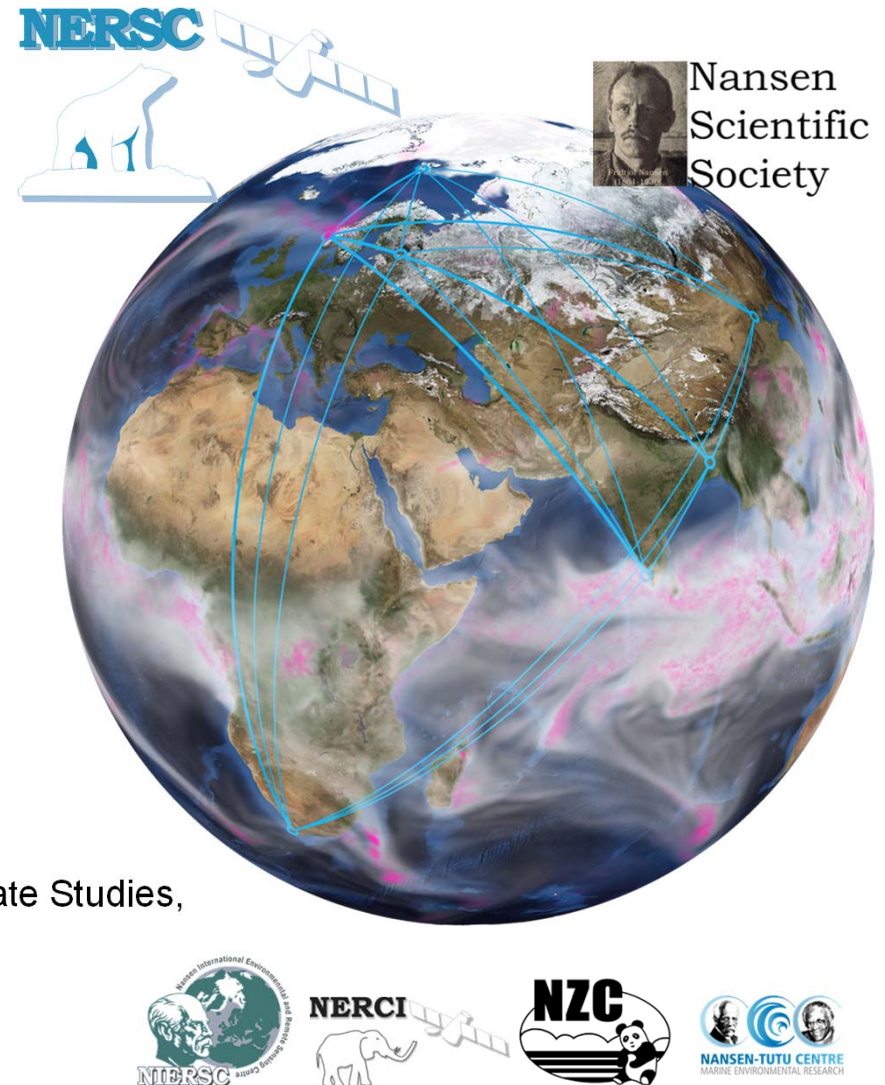


The Nansen Group

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**





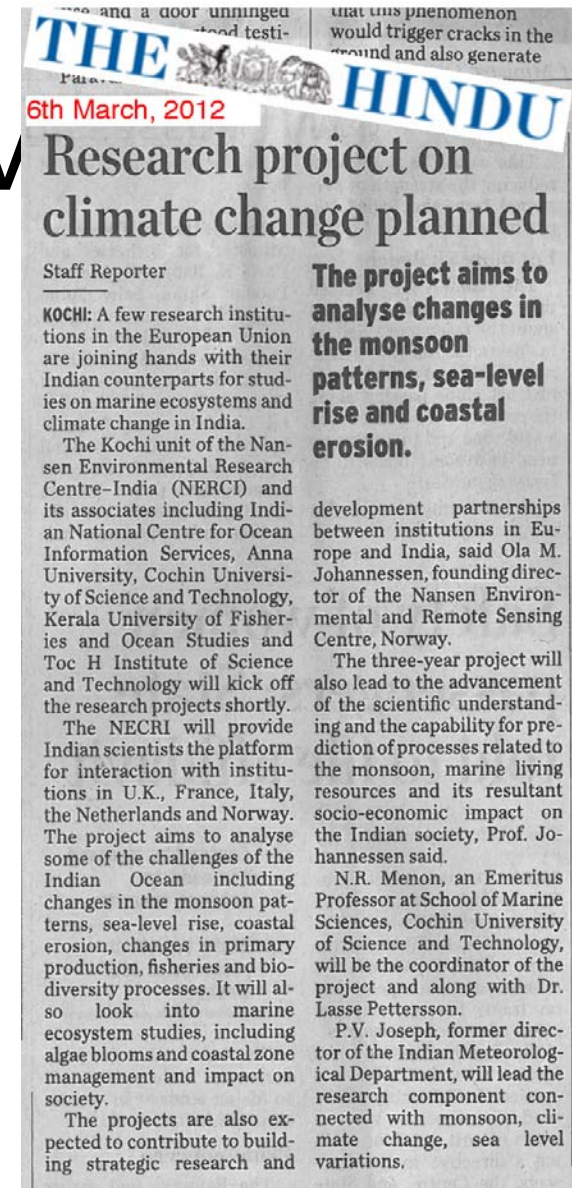
INDO-EUROPEAN Research Facilities for Studies on Marine Ecosystem and Climate in India (INDO-MARECLIM)

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)
Kochi, 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:
 - a) monsoon climate variability,
 - b) marine ecosystems studies and
 - c) coastal management, including impact on society.



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.