

NATIONAL CONFERENCE ON POLAR SCIENCES

NCPS-2023

May 16-19, 2023

NCPOR, Goa

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Organised by:

National Centre for Polar and Ocean Research
Ministry of Earth Sciences, Government of India
Headland Sada, Vasco-da-Gama, Goa 403 804, India



A Workshop on Sea-ice Modelling and Observations (SiMO)

Date: 16th May 2023 (Tuesday) Time: 9:00 -16:30 Hrs

Venue: Auditorium

Time	Invited Speaker	Talk Title
09:00-09:30	Welcome	
09:30 – 10:15	Prof. Raghu Murtugudde , Visiting Prof. Indian Institute of Technology, Bombay	The role of Sea Ice in Global Climate Variability, Trend and Extremes
10:15 – 10:30	Tea Break	
10:30 – 11:15	Dr. Ashis Kumar Mitra , The Energy Research Institute, New Delhi. Former Director NCMRWF, New Delhi	Sea-Ice Biases in a Global Coupled Model
11:15-12:00	Dr. Petra Heil , Australian Antarctic Division and Australian Antarctic Program Partnership, University of Tasmania, Australia	Sea-ice observations and assessments for the Southern Ocean (Online)
12:00-12:45	Dr Imranali M Momin , National Centre for Medium Range Weather Forecasting, New Delhi	Real-Time Initialisation and Modelling of Sea Ice Across Scale in NCMRWF Global Coupled Model.
12:45-13:00	Discussion Session	
13:00 – 14:00	Lunch Break	
14:00 -14:45	Dr. Ed Blockley , Hadley Centre, UK MetOffice	Modelling sea ice as a continuum using local balances of momentum, mass, and heat (Online)
14:45 – 15:30	Dr. Purvee Joshi , Space Applications Centre, Ahmedabad	Observing Frozen Ocean from Space: Opportunities & Challenges
15:30 – 16:15	Dr. Ed Blockley Hadley Centre, UK MetOffice	Future (and present-day!) challenges for climate sea ice modelling (Online)
16:15 – 16:30	Discussion Session	
19:00 – 20:30	Inaugural ceremony NCPS-2023	
20:30	Dinner	

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Time	Invited Speaker	Talk Title
09:00-09:45	Mr. Sandeep Narayanasetti , Indian Institute of Tropical Meteorology, Pune	Exploring the Link Between Arctic Sea Ice and the South Asian Monsoon
09:45:10:30	Prof. Vimlesh Pant , Indian Institute of Technology, New Delhi	Arctic sea-ice variability and its impacts from global and regional ocean-sea ice models
10:30-10:45	Tea Break	
10:45-11:30	Dr. Arnab Mukherjee , National Centre for Polar and Ocean Research, Goa	Numerical simulation of observed decadal and interannual variability of sea-ice in the Arctic using MOMSIS
11:30-12:15	Dr. Jenson V. George , National Centre for Polar and Ocean Research, Goa.	Air-Ice-Sea Interaction in Antarctic Coastal waters
12:15-13:00	Dr. Pranab Deb , Indian Institute of Technology, Kharagpur	Global and regional drivers of sea ice changes in Antarctica
13:00-14:00	Lunch Break	
14:00-14:45	Dr. Amita Prabhu , Indian Institute of Tropical Meteorology, Pune	Potential linkages of Greenland Sea ice and Arctic oscillation on the South and East Asian summer Monsoon in the recent decades
14:45-15:30	Dr. Shridhar Jawak , Svalbard Integrated Arctic Earth Observing System (SIOS), Longyearbyen, Norway	Earth Observation and remote sensing for building a regional observing system in Svalbard
15:30-16:15	Dr. Ankur Gupta , National Centre for Medium Range Weather Forecasting, New Delhi	NCMWF Coupled Model for Days to Season Forecasts of Sea ice
16:15-16:30	Discussion Session	
17:00-18:00	Valedictory Session and YPSM poster winner's announcement	