



NCPS-2025

September 16th-18th, 2025

NCPOR, Goa



Ministry of Earth Sciences
Government of India



NATIONAL CONFERENCE ON POLAR SCIENCES

NCPS-2025

National Centre for Polar and Ocean Research

Ministry of Earth Sciences, Government of India
Headland Sada, Vasco-da-Gama, Goa 403 804, India

www.ncps2025.in



Gepang Gath Glacier

ABOUT THE HOST INSTITUTE

National Centre for Polar and Ocean Research (NCPOR) is an autonomous R&D institution under the Ministry of Earth Sciences (MoES). NCPOR spearheads India's research activities in the Arctic, Antarctic, Southern Ocean, and the Himalayas. India's exploration of polar regions began in 1981 with the Indian Antarctic Expedition. The institution expanded its scope to Southern Ocean research in 2004, followed by the Arctic in 2007, and initiated Himalayan cryosphere research activities in 2013. In 2010, Indian scientists traversed to the South Pole for the first time. NCPOR also serves as the nodal agency for major deep sea explorations of scientific and strategic importance.



BACKGROUND

The National Conference on Polar Sciences (NCPS) attracts over 250 participants, including around 100 young researchers, and offers a unique opportunity for the Indian polar community to engage and interact. Following the successful editions in 2017, 2019, and 2023, NCPS-2025 aims to bring together eminent researchers working across the Arctic, Antarctic, Southern Ocean, and the Himalayas. The conference will serve as a common platform to foster interdisciplinary discussions on various scientific and operational challenges. It also provides Early Career Researchers with a valuable opportunity to share their ideas, research findings, and experiences.



Venue & Date

National Centre for Polar
and Ocean Research
Headland Sada,
Vasco-da-Gama, Goa
403 804, India

September 16th-18th, 2025



INDIAN
GATEWAY
TO POLAR
REGIONS



Young Polar Scientist Meet (YPSM)

The Young Polar Scientist Meet (YPSM) will provide young researchers with a platform to engage with nationally and internationally renowned polar experts. This event aims to enhance their scientific skills and build a national interdisciplinary research network by connecting them with peers and senior polar scientists.

Eligibility:

YPSM is open to early-career researchers below the age of 35 years (as of March 31, 2025). Eligible participants include PhD students or post-PhD professionals within 5 years of their doctoral degree award.

All YPSM participants are encouraged to present posters. Based on the novelty of their research and the quality of poster presentation, selected young researchers will be invited to deliver 5-minute flash talks. The Best Young Polar Scientist Award will recognize outstanding contributions in both oral and poster presentations.

NCPS-2025 PROGRAMME



Young Polar Scientists Meet (YPSM)

SEPTEMBER 16TH, 2025

Programme

- 1 Special Research Orientation Talk for Early Career Researchers by Eminent Scientists
- 2 Poster Presentation by Early Career Scientists
- 3 Announcement of Oral Presentation Winners Selected from the Best Posters presentations

OPEN SCIENCE CONFERENCE (OSC)

The open science conference will feature plenary lectures, invited keynote lectures, and contributed oral/poster presentations organised across multiple sessions and themes.

Scientific Themes and Sessions

Researchers are invited to present their findings on diverse aspects of the Polar Regions, including the Himalayan cryosphere. The conference will include invited lectures and contributed presentations (oral/posters). High-quality original and unpublished work (conceptual, constructive, empirical, experimental, or theoretical) shall be encouraged. Early-career researchers submitting abstracts for poster presentations under the Young Polar Scientist Meet (YPSM) may align their submissions with the same scientific themes as the main conference.

OPEN SCIENCE CONFERENCE (OSC)

SEPTEMBER 17TH-18TH, 2025

THEMES AND SESSIONS

1

Crustal Evolution and Reconstruction

- Geochronology, Geochemistry and Petrology
- Crustal Evolution: Insight from Recent Geophysical and Geological Investigations
- Geodesy and geodynamics
- Antarctic Geological Evolution and GeoEAS

2

Space Weather and Meteorology

- Solar-terrestrial Interaction Studies
- Weather and Climate
- Atmospheric Chemistry and Aerosols

3

Southern Ocean in a changing climate

- Ocean-atmospheric Processes
- Biogeochemical Processes
- Ocean Modelling

4

Climate Change and Variability

- Physical forcings, biogeochemical feedback and variability

- Past climate variability and global linkages
- Climate change and its impact in polar regions

5

Cryospheric Processes and Dynamics

- Cryospheric Processes and Variability
- Glacier dynamics, processes and glacio-hydrological responses

6

Sea ice variability and modelling

- Sea ice variability and dynamics through time and space
- Sea-ice modelling and observations

7

Polar Environment and Ecology

- Planktons: climatological and ecological perspectives
- Diversity and Ecology of Flora and Fauna
- Microbial diversity: their role in the environment and industry
- Environmental Monitoring and Assessment

8

Polar Operations, Governance and Outreach

- Engineering and Infrastructure for Polar Regions
- Communication and Data Systems in Extreme Environments
- Health, Safety, and Human Factors in Polar Operations
- Governance, Policy, and International Cooperation
- Education, Outreach, and Capacity Building in Polar Science



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NCPOR (Member)

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NCPOR (Member Secretary)



GUIDELINES FOR ABSTRACT SUBMISSION

The abstract (max. 350 words) must be typed in Arial font, size 12, in MS Word format and submitted via the conference website. It should include the title, author(s) name(s), and institutional affiliation(s), and highlight scientific or operational results and their applications. Each author may submit only one abstract as first author. Authors must specify the sub-theme, corresponding author's name, and preferred mode of presentation (oral/poster for OSC; poster for YPSM). Final decisions regarding presentation type and session placement will be made by the Session Chairs and Scientific Program Committee. The corresponding author must ensure all co-authors have agreed to be listed.

FINANCIAL SUPPORT

Limited financial support, including registration fee waiver and free accommodation, will be available only for selected research students and early-career researchers (below the age of 35 as of March 31, 2025). Support will be considered upon request and subject to availability.

ORGANISING COMMITTEE

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ACCOMMODATION AND TRAVEL

Shared hostel/hotel accommodation may be provided to research students upon advance request. Interested participants are requested to email their accommodation request to juhi@ncpor.res.in on or before August 25, 2025.

A list of hotels at Vasco (a short distance from the conference venue) at special prices will be available for booking directly on a payment basis.

REGISTRATION

Online Registration Fees

For Research Students	Rs. 1500/-
For Scientists/Others	Rs. 3500/-
Onsite Registration Fees	Rs. 4000/-



Scan for Payment through UPI :

UPI ID: ncpor@sbi

For online transfer of the amount through NEFT, the details are as follows:

Name of Account holder: NCPOR

Account No: 10153336180 (SBI, Vasco)

IFSC: SBIN0004116

REGISTRATION NUMBER is important and has to be mentioned while transferring the amount; however, no cash deposit in the said account is acceptable.





NOTES





IMPORTANT DATES

Online registration and abstract submission starts : May 5, 2025
Last date for abstract submission : June 22, 2025
Notification of Acceptance of Abstract : July 31, 2025
Online registration Closes : August 31, 2025



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Contact

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