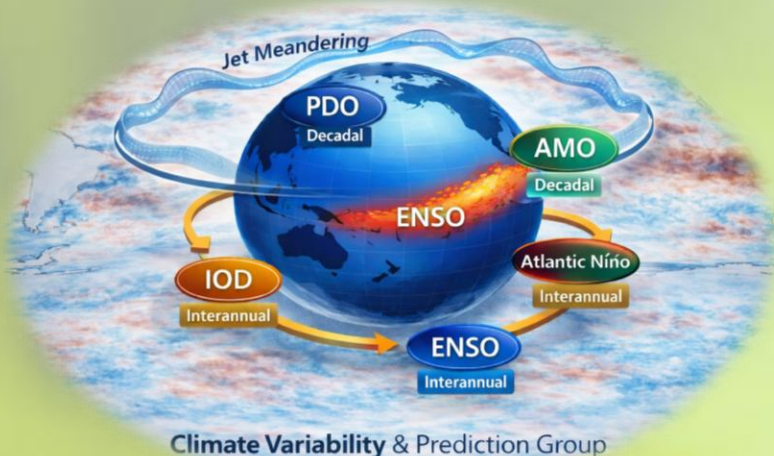


## Important Themes of this Workshop

- ❖ Interannual-to-Decadal Variability and Predictability of the Indian Ocean Climate
- ❖ Annual-to-Decadal Prediction of the Indian Summer Monsoon: Variability, Extremes, Onset-Withdrawal, and Dynamical Processes
- ❖ Recent Advances in Coupled Climate Modelling Systems and Their Skill in Interannual-to-Decadal Prediction
- ❖ Applications of decadal Climate Predictions for Societal Sectors: Agriculture, Water Resources, Energy, Health and Disaster Risk Reduction
- ❖ Key Physical Mechanisms and Processes Shaping Natural Climate Variability



## National Workshop On

### Indian Ocean-Monsoon Climate: Annual to Decadal Variability, Mechanisms and Predictability

19<sup>th</sup>-22<sup>nd</sup> May, 2026



ORGANIZED BY

Development of Skilled Manpower in Earth System Science (DESK) and Climate Variability and Prediction (CVP) IITM, Pune

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# About the IITM

The Indian Institute of Tropical Meteorology (IITM), Pune, is an autonomous research institute under the Ministry of Earth Sciences, Government of India. Established in 1962, the Institute serves as a premier national center for basic and applied research in atmospheric sciences, with special emphasis on tropical meteorology, climate variability, and monsoon prediction. The Institute plays a crucial role in advancing scientific understanding of weather and climate processes and improving forecasting capabilities for societal benefit.

IITM conducts research in key areas including monsoon dynamics, climate change, cloud physics, atmospheric chemistry, air quality, and Earth system modelling. Major national initiatives such as the Monsoon Mission, climate change research programmes and advanced weather prediction systems are led by the Institute. These efforts contribute significantly to improving weather forecasts, climate projections, disaster preparedness, and environmental monitoring in India.

Visit:- <https://www.tropmet.res.in>

## National Workshop On

### Indian Ocean-Monsoon Climate: Annual to Decadal Variability, Mechanisms and Predictability

19<sup>th</sup>-22<sup>nd</sup> May, 2026

#### Aim of the Workshop

The primary aim of the workshop would be to enhance understanding of annual to decadal climate variability and its influence on regional climate systems, with a particular focus on the Indian Ocean and Indian summer monsoon. The workshop would bring together experts in observations, theory, and modeling to discuss key physical mechanisms, ocean-atmosphere interactions, and sources of predictability on decadal timescales. It would also aim to assess current capabilities and limitations of decadal climate prediction systems and identify pathways for improving prediction skill. The expected outcomes of the workshop include improved scientific insight into natural decadal variability, strengthened collaboration across disciplines and institutions, clear identification of research gaps and practical recommendations for advancing annual to decadal climate prediction frameworks.

#### Registration Details

Registration opens: 11-April-2026

#### Workshop Registration Payment

Start: 01-May-2026

Last date: 15-May-2026

#### Registration Fee-

Student- Rs. 1000 /- INR

Other Researchers- Rs. 2000/- INR

#### Pre-Workshop Training

19th May, 2026

#### Workshop

20th – 22nd May, 2026

#### Abstract Submission Details

Submission starts: 11-April-2026

Last date: 24-April-2026

Intimation of accepted abstracts: 30-April-2026

For Abstract Submission

[{CLICK HERE}](#)

For More Details visit the Workshop Site: <https://iomc2026.tropmet.res.in>