

Earth is an open thermodynamic system where its constitutive spheres, viz Atmosphere, Biosphere, Cryosphere, Geosphere, and Hydrosphere, exchange mass and energy across spatiotemporal scales, ultimately providing habitable conditions. Understanding these spheres individually and their coupling not only in the present but throughout geological history is a prerequisite to make informed decisions for sustainable utilization of the earth resources and potentially understanding other planets in our solar system and beyond.

Understanding the Earth system demands an integrated approach where multi-disciplinary, multi-scale data and processes are understood. With this philosophy, the Department of Earth and Climate Science (ECS) IISER Pune started in 2014 and is completing its 10 years. To celebrate this journey, ECS is organising a national conference CITE-2024 from 1st to 2nd September 2024, providing a platform to explore and discuss the different aspects of Earth system. We invite contributions from researchers across disciplines for oral and poster presentations at CITE-2024 under the following broad themes.

Oral and poster presentations themes at CITE-2024:

Weather & Climate

- Glaciology
- Tropical Meteorology
- Climate modelling
- Extreme Events
- Hydrology

Earth Surface Processes

- Tectonic Geomorphology
- Weathering & erosion
- River & ocean chemistry
- Atmosphere chemistry
- Natural Hazards

Earth Structure & its Evolution

- Geophysics
- Seismology
- Geodynamics
- Mineralogy & Petrology
- Tectonics

Paleoenvironment & Paleoclimatic Evolution

- Paleoclimatic reconstruction
- Paleontology
- Paleoecology & Biodiversity
- Sedimentary basin analysis



1-2 September '24



Earth and Climate Science

Indian Institute of Science

Education and Research

Pune, Maharashtra - 411008

Abstract Submission

Deadline: 1st July '24

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OR



Scan

Organising Committee:

- Anish Patil
- Argha Banerjee
- Joy Merwin Monteiro
- Krishnanand J
- Medha Murti
- Ruby Soni
- Shreyas Managave
- Shuvashree Maity
- Vibhas Shevde
- Vaibhav Pachalee

Conveners:

- Ajay Kumar
- M. Ismaiel

