

About the Workshop

Understanding atmospheric aerosols has become increasingly vital as they influence climate, air quality, radiation balance, and human health. Over the past few decades, remarkable progress in ground-based and satellite remote sensing – supported by modern retrieval algorithms and advanced data analysis techniques – has significantly enhanced our ability to monitor, characterize and model aerosol properties. The wealth of multi-platform observations has opened new avenues to explore aerosol sources, transformations, and their regional and global impacts. This two-day online workshop focuses on the measurement techniques, retrieval approaches, and scientific insights related to aerosols, highlighting recent advances and emerging research opportunities. We invite you to join us for the workshop on “**AEROSOLS: MEASUREMENT, RETRIEVAL AND IMPACTS**” to be held on 27–28 July, 2026.

Workshop Content and Outline

This online workshop will cover the following topics:

- Aerosol Physics and Optics
- Aerosol Forcing & Boundary Layer Dynamics
- Aerosol Chemistry
- Health Impacts of Aerosols
- Ground Based Aerosol Instrumentation
- Remote Sensing of Aerosols: Physics and Retrieval
- Modelling of Aerosols
- Hands-on Training

Who can attend the workshop

The workshop is designed for professionals from Central / State Govt. / Private Organisations / NGOs, students and researchers; who are aligned to undertake research in atmospheric and environmental science.



Course Registration

Course updates and other details will be available on URL- <http://www.iirs.gov.in/Edusat-News/>

- Registered through Nodal centres. The participant's registration must be approved by the coordinator of nodal centers.
- The participants can register and see their application status through URL- <https://elearning.iirs.gov.in/edusatregistration/>. In case, the application is pending for approval then participants are advised to contact the coordinator of respective nodal center.

Registered as “Individual registrations”–The participants with individual registration will be automatically approved. All the registered participants will get their login credentials for ISRO Learning Management System (LMS)– <https://isrolms.iirs.gov.in>



Award of Certificate

Registered through Nodal centres : Based on 70% attendance, students will be awarded a “Courses Participation Certificate.”

Individual Registration: A “Course Participation” certificate will be given to everyone who devotes at least 70% of each session's hours to the course. The course participation certificate will be available for download in ISRO LMS.



Contact Details

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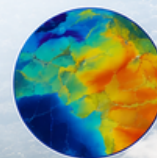
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Online Workshop on

AEROSOLS: MEASUREMENT, RETRIEVAL AND IMPACTS

July 27- 28, 2026



IIRS Outreach Programme

Organised by
Indian Institute of Remote Sensing
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