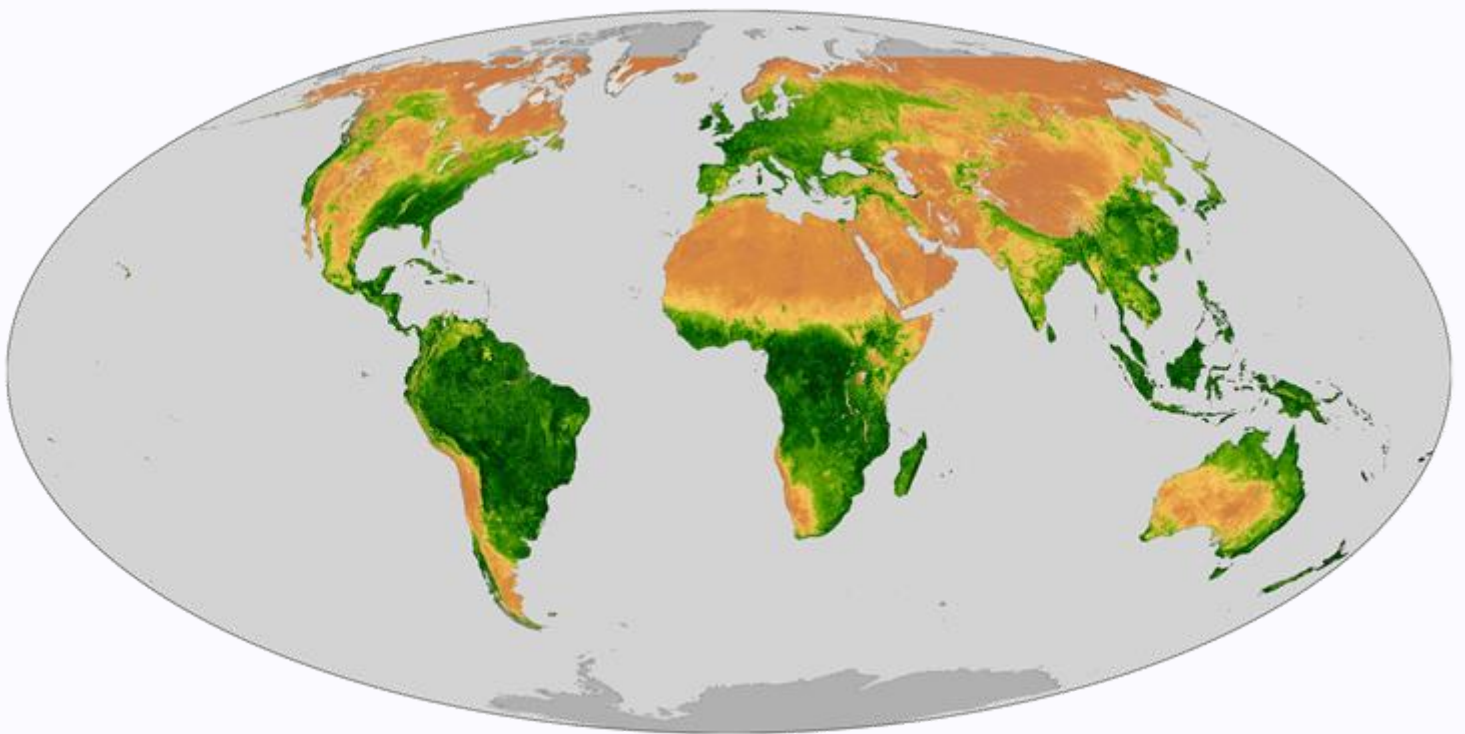




Workshop and Technical Demonstration on Agricultural Monitoring using Space-based Earth Observation (AM-SEO)

*Advancing operational agricultural monitoring through
Earth Observation, data synergies and international collaboration*



**2-Day Workshop + 3-day Technical
Demonstration & tutorial**

30th November – 4th December 2026

**Space Applications Centre (SAC), ISRO,
Ahmedabad, Gujarat, India**

Hosted at : Space Applications Centre (SAC), ISRO, Ahmedabad

Organized by : Indian Space Research Organisation (ISRO),
European Space Agency (ESA) and GEOGLAM

About the Event

GEOGLAM has a long-standing relationship with the Indian agricultural monitoring community. This workshop is designed to reconnect Indian and international researchers, operational agencies, policy stakeholders and Agri-tech innovators around the use of Earth Observation (EO) for agricultural monitoring.

The programme will highlight operational systems, national and international space-based Earth observation (EO) missions, research advances, satellite-data synergies, early warning, crop monitoring, and pathways from research to operations. A dedicated training with technical demonstration component will also showcase workflows from ESA WorldCereal and ISRO crop estimation systems.



Objectives

- ❖ Share updates on Indian and international Space-based agricultural monitoring programmes
- ❖ Review operational systems, satellite missions and data synergies for agriculture
- ❖ Discuss research-to-operation pathways, interoperability, validation and in-situ integration
- ❖ Strengthen Indian participation in GEOGLAM activities, networks and working groups
- ❖ Encourage dialogue among public agencies, academia, private sector and user communities
- ❖ Build capacity through technical demonstrations and knowledge exchange

Who Should Attend ?

- ❖ Representatives from national and international space agencies and EO programmes
- ❖ United Nations bodies, international organizations and global initiatives working in agriculture
- ❖ Scientists, researchers and students in Earth Observation and Agriculture
- ❖ Operational agencies, MNCFC, ICAR institutions and universities
- ❖ State agriculture departments, state remote sensing centre and policy stakeholders
- ❖ Agri-tech companies, start-ups and private sector innovators
- ❖ Practitioners interested in crop monitoring, early warning and agricultural analytics

Workshop & Tutorial Format

30 November – 1 December 2026 : Open workshop

2 – 4 December 2026 : Technical demonstrations & training by ISRO & ESA

Programme at a Glance

Day 1 : 30 November 2026 Open Workshop



- ❖ Opening session, strategic perspectives and institutional priorities
- ❖ ISRO, ESA and GEOGLAM programme perspectives
- ❖ Operational agricultural monitoring systems and early warning approaches
- ❖ Satellite missions for agriculture and data synergies
- ❖ Research-to-operation pathways and private sector capabilities

Day 2 : 1 December 2026 Open Workshop



- ❖ Revitalizing Indian participation in GEOGLAM activities
- ❖ Essential Agricultural Variables (EAVs) and JECAM opportunities
- ❖ In-situ data integration and validation frameworks
- ❖ Capacity development, GEO Knowledge Hub and collaboration priorities
- ❖ Community discussions, panel interactions and workshop summary

Days 3–5 : Technical Demonstrations

By Invitation only

2 December 2026 ESA / WorldCereal

Hands-on sessions on EO data processing, crop-type mapping and product generation.

3 December 2026 ISRO

Demonstrations on Indian EO data and tools for agricultural monitoring and early warning.

4 December 2026 ESA / ISRO continuation and wrap-up

Integrated workflows, advanced use cases and wrap-up discussions.

Training Focus Areas

- Crop monitoring and crop-mapping workflows
- Multi-mission EO data integration for agriculture
- Dashboarding, indicators and analytics
- Interoperability, harmonization and data access
- Validation support and operational use cases

Expected Outcomes

- Stronger India–international EO collaboration
- Identified community priorities
- Shared technical knowledge and demonstrations
- Follow-up actions for future GEOGLAM engagement



Organizing Committee

International Advisory Committee

- V. Narayanan, Chairman, ISRO & Secretary, DoS
- Josef Aschbacher, Director General, ESA
- Chris Justice, GEOGLAM Co-Chair; University of Maryland
- C. V. N. Rao, Director, SAC, Ahmedabad
- Prakash Chauhan, Director, NRSC, Hyderabad
- M. Ganesh Pillai, Scientific Secretary, ISRO, Bengaluru
- Simonetta Cheli, Director of EO Programmes, ESA

Programme Coordination Committee

- Zoltan Szantoi, Land Applications Scientist, ESA
- Giuseppe Ottavianelli, Head of the Applications Section, ESA
- J. V. Thomas, Director, EDPO, ISRO HQ
- Rashmi Sharma, Deputy Director, EPSA-SAC
- Sven Gilliams, Program Director, GEOGLAM
- Jinesh Ramachandran, FLEX System and Operations Manager, ESA
- Jeroen Degerickx, WorldCereal Project Co-lead, VITO – Belgium
- Koen Devos, VITO / ESA WorldCereal
- Shabarinath S. Nair, University of Strasbourg / ESA WorldCereal
- Soumya Bandyopadhyay, Director, MNCFC (MoAFW)
- V. M. Chowdary, Group Director, ASAG, NRSC
- Karun K. Choudhary, Head, CAD, NRSC
- Rahul Nigam, Scientist, PACD, SAC
- Sasmita Chaurasia, Head, SRTD, SAC
- Rabi N. Sahoo, Program Leader, ICAR-NePPA-IARI
- Meghavi Prashnani, NASA Harvest, GEOGLAM
- Bimal Kumar Bhattacharya, Group Director, AESG, SAC - Convenor

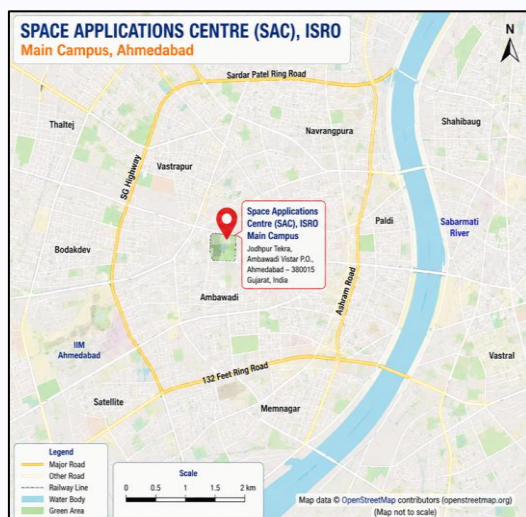
Important Note

Detailed programme, final organizing committee, registration / nomination process and contact details will be announced in the GEOGLAM, ISRO and ESA websites.

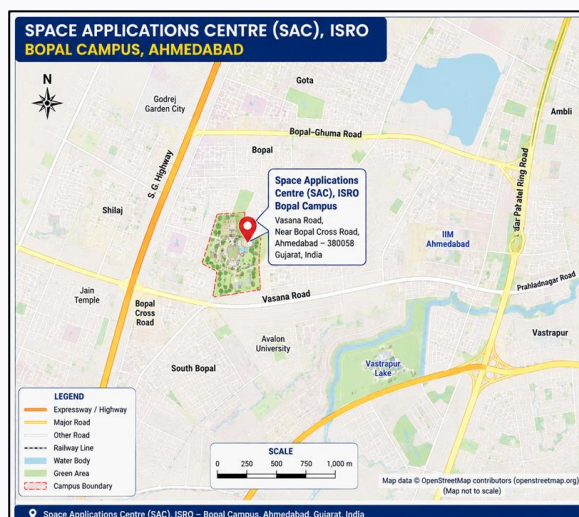
For any query, please contact am-seo@sac.isro.gov.in



Venue and Location Maps



Google map: [SAC Main Campus - Google Maps search](#)



Google map: [SAC Bopal Campus - Google Maps search](#)

Nearby Hotels for Accommodation

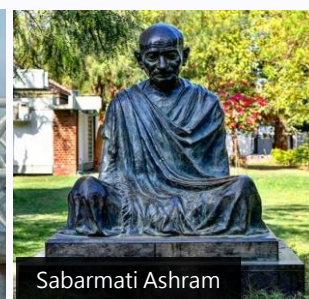
Hotel	Address
Novotel Ahmedabad	Iscon Cross Roads, next to Wide Angle Cinema, S. G. Highway, Ahmedabad - 380015
Le Meridien Ahmedabad	Ramdev Nagar Cross Road, Satellite, Ahmedabad, Gujarat - 380015
ITC Narmada, Ahmedabad	Survey #104 A, Judges Bungalow Road, Ahmedabad - 380015
DoubleTree by Hilton Ahmedabad	Ambli Bopal Road, Vikram Nagar, Ahmedabad - 380054
Renaissance Ahmedabad Hotel	Behind Ganesh Meridian Complex, Sola Road, Sarkhej-Gandhinagar Highway, Ahmedabad - 380060
Hyatt Regency Ahmedabad	17/A, Ashram Road, Ahmedabad - 380014, Gujarat, India
Taj Skyline Ahmedabad	Sankalp Square III, Sindhu Bhavan, Bodakdev, Ahmedabad - 380059

About Ahmedabad

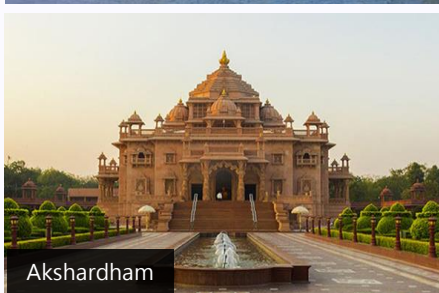
Ahmedabad, India's first UNESCO World Heritage City and Gujarat's largest metropolis, offers a blend of rich architectural legacy and vibrant modern infrastructure. Situated along the scenic Sabarmati Riverfront, the city invites visitors to explore iconic historical sites like the Sidi Saiyyed Mosque with its stone lattices, and the peaceful Sabarmati Ashram, Mahatma Gandhi's historic home. Other major attractions include Atal Bridge, Gujarat Science City, and nearby Gandhinagar's architectural landmarks like Akshardham and Mahatma Mandir.



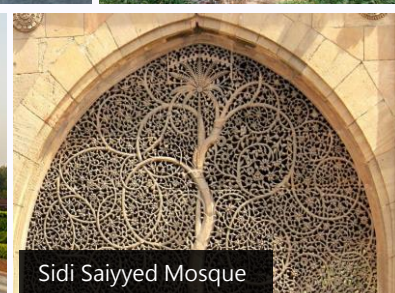
Atal Bridge



Sabarmati Ashram



Akshardham



Sidi Saiyyed Mosque