INDIAN SPACE ASSOCIATION
Bhumandal Se Brahmaand Tak

OCTOBER 2025

NEWSLETTER
INDIAN SPACE ASSOCIATION

BEYOND BOUNDARIES: NARRATIVES OF INDIA'S NEW SPACE AGE

ISpA's Space Bulletin

INDIAN SPACE ASSOCIATION
Bhumandal Se Brahmaand Tak

Welcome to **ISpA Newsletter**, a trusted conduit for illuminating the latest strategic endeavours, technological innovations and industry insights shaping the future of sustainable space exploration.

ispa.space

info@ispa.space

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MESSAGE FROM DG-ISpA

October was a month of dedicated and focussed preparation by Team ISpA for the upcoming **India International Space Conclave (IISC) 2025**. This year's theme, **'Expanding Horizons – Innovation, Inclusion & Resilience in the New Space Age,'** reflects our collective vision to shape the future of India's space ecosystem.

The Conclave will feature a wide range of sessions covering emerging opportunities, actionable insights, economic drivers, spectrum issues, and Satcom challenges in India. International panels will spotlight the India–Japan Space Partnership, the Future of Space Exploration, and strategies for Catalysing Growth in the Global Space Economy. In addition, we have curated technical sessions on frontier innovations and regional collaboration, bringing together experts and innovators from across the world.

My heartfelt congratulations to **Agnikul Cosmos** for successfully testing its dual 3D-printed rocket engines—another proud milestone for India's new space ecosystem. I also commend the collaborative efforts between **ESRI India** and Amazon Web Services (AWS), **Skyroot Aerospace** and Germany's Exolaunch, and **OrbitAID Aerospace** under the Indo–Australian Space MAITRI mission—all of which strengthen the global partnerships driving innovation, knowledge exchange, and technology transfer.

In October, I had the privilege of participating in the opening session of the **India Mobile Congress (IMC) 2025**, joining a panel discussion on *'Satcom – Policy & Ecosystem Enablement.'* ISpA has long advocated for the integration of a dedicated SATCOM track within IMC's digital agenda, and I am pleased that IMC 2025 successfully positioned SATCOM as a vital pillar of India's digital connectivity framework, enabling last-mile access, resilience, and innovation for a truly connected nation.

ISpA also extended its support to the **USI Model United Nations (USIMUN) 2.0**, which focused on *'Securing Space and Cyberspace for Global Peace and Inclusive Development' (*वैश्विक शांति और समावेशी विकास हेतु अंतरिक्ष व साइबर सुरक्षा सुनिश्चित करना*).* The event brought together passionate young minds from schools across India, inspiring the next generation to think critically about the challenges and opportunities in space and cyberspace governance.

As we now approach the much-awaited IISC 2025, I warmly invite all members, partners, and stakeholders to register and participate in strong numbers. The ISpA team is working tirelessly to curate an event that is both enriching and impactful, celebrating India's growing role in the global space sector.

Please reach out to my colleagues for any assistance or information regarding your participation. Your ideas, inputs, and engagement are invaluable in making this Conclave a resounding success. I look forward to welcoming you all on 18–19 November at The Lalit, New Delhi.

Lt Gen A K Bhatt
PVSM UYSM AVSM SM VSM (Retd)
Director General,
Indian Space Association (ISpA)
(Former DGMO, MS & GOC 15 Corps)

HIGHLIGHTS OF THE MONTH

- AGNIKUL SUCCESSFULLY TESTS DUAL 3D-PRINTED ROCKET ENGINES FOR UPCOMING LAUNCH
- ESRI INDIA SIGNED AN AGREEMENT WITH AMAZON WEB SERVICES (AWS) TO ADVANCE INTEGRATION OF GENERATIVE AI INTO GEOSPATIAL SOLUTIONS
- ORBITAID AEROSPACE SIGNED A DOCKING & REFUELING CONTRACT, UNDER THE INDO-AUSTRALIAN SPACE MAITRI
- SKYROOT ANNOUNCED STRATEGIC PARTNERSHIP AGREEMENT WITH EXOLAUNCH
- ASTRONAUT GP CAPT SHUBHANSHU SHUKLA VISITED THE ISPA OFFICE
- DG ISPA, LT GEN ANIL KUMAR BHATT (RETD), PARTICIPATED IN THE OPENING SESSION ON “SATCOM-POLICY & ECOSYSTEM ENABLEMENT”SATCOM AT IMC 2025

MEMBERS BULLETIN

AGNIKUL COSMOS

Agnikul successfully tests dual 3D-printed rocket engines for upcoming launch. The company simultaneously fired two electric pump-fed semi cryo engines, controlled by in-house engine computer software. These pumps are driven by electric motors there is increased level of control available to balance the thrusts across the engines compared to conventional thrust balancing techniques. The engines tested were developed using company's proprietary Agnilet technology. This process is known for producing fully 3D-printed components as a single piece, without any assembled joints.

ESRI INDIA

ESRI India - leader in GIS and geospatial AI technology, signed a strategic collaboration agreement (SCA) with Amazon Web Services (AWS) to advance the integration of Generative AI (GenAI) into geospatial solutions and workflows. Bringing ESRI's geospatial AI platform, ArcGIS, together with the scalable cloud infrastructure on AWS enables organizations to deploy enterprise-scale geospatial AI solutions with greater efficiency and reliability, while leveraging the advanced cloud capabilities on AWS alongside ArcGIS software's sophisticated mapping and spatial analysis tools.

ORBITAID AEROSPACE

OrbitAID Aerospace signed a docking & refueling contract, under the Indo-Australian Space MAITRI joint mission. Its patented Standard Interface Docking and Refueling Port (SIDRP) will be deployed in orbit on the Indo-Australian joint mission in 2026, operated by Australia's Space Machines Company. This will be India's first commercial deployment of an indigenously developed docking and refueling interface SIDRP in orbit.

MEMBERS BULLETIN

This interface will enable on-orbit servicing and refueling (OOSR), extend satellite lifespans, and make space operations more sustainable. On the ground, it will run the propellant fueling campaign, linking Earth-based propellant logistics to on-orbit refueling — a full Earth-Space propellant supply chain in action.

OrbitAID Aerospace lead on organizing the Space Pavilion and Space Panel along with StartupTN at the Tamil Nadu Global Startup Summit 2025, TNGSS Coimbatore. A special highlight was SAKTHIKUMAR R, Founder and CEO was celebrated as the ambassador for the event and was a panellist on the “Innovation and Ecosystem for the Indian Space Industry”, sharing insights on how global space startups and collaborative platforms are transforming India’s deep tech future.

SKYROOT AEROSPACE

Skyroot announced strategic partnership agreement with Exolaunch to provide end-to-end launch services and expand access to orbit for satellite operators worldwide. Through this partnership, Exolaunch will integrate and deploy customer satellites on our Vikram-series launch vehicles, beginning with Vikram-1 orbital missions. “It seeks to democratize access to space that requires an integrated solution that seamlessly addresses every aspect of a satellite customer's journey—from mission planning to integration to launch, through this partnershi, we aim to provide a launch experience that is comprehensive and tailored to the needs of the modern space economy”, said Pawan Kumar Chandana, Co-Founder and CEO.

SUHORA

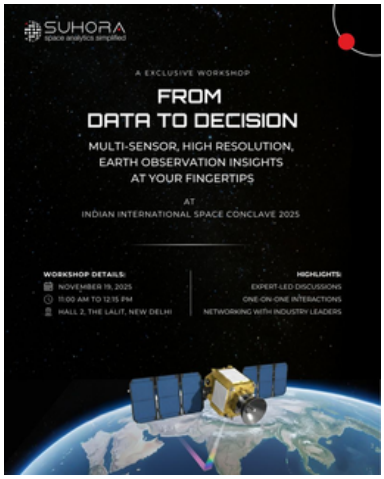
Explore the Earth like never before. With SPADE, access vast archives of Sentinel-1 and Sentinel-2 data, along with other commercial satellite sensors, all at your fingertips through a single unified platform.

MEMBERS BULLETIN

VIASAT INMARSAT

Viasat India and BSNL India have deepened their partnership to advance satellite communication and UAV services through new training and commercial initiatives. The collaboration includes specialized programmes at BSNL's BRBRAITT in Jabalpur to build industry-ready skills in satellite, UAV, and IoT technologies. The two companies will also work to commercialise Viasat's Velaris uncrewed air solutions in India. The partnership will establish a Centre of Excellence for UAVs and satellite systems, providing engineering students hands-on training using Viasat equipment. This initiative supports India's Digital India and Skill India missions, unlocking new opportunities in the country's growing low-altitude drone economy.

MEMBERS BULLETIN



ISpA ACTIVITIES

SPACE CALLING: Astronaut Gp Capt Shubhanshu Shukla, visited the ISpA office

Astronaut Gp Capt Shubhanshu Shukla, visited the ISpA office. Lt Gen Anil Kumar Bhatt (retd), DG ISpA, and Mr. Rahul Vatts, Vice Chairman ISpA, discussed his participation in the upcoming India International Space Conclave, scheduled for 18-19 November 2025 in New Delhi.

They also exchanged views on the importance of inspiring and engaging the next generation of students and professionals aspiring to contribute to India's rapidly growing space ecosystem. His exceptional journey and experiences in space continue to be a beacon of inspiration for young minds across the nation. We look forward to his presence at IISC2025, where he will share his insights and motivate the future torchbearers of India's space story.

ISpA ACTIVITIES

Lt Gen Anil Kumar Bhatt (retd), DG ISpA, met the Hon'ble MoS, Dr Jitendra Singh

Lt Gen Anil Kumar Bhatt (retd), DG ISpA, met the Hon'ble MoS, Dr Jitendra Singh and extended an invitation to join the 4th India International Space Conclave 2025 (IISC 2025) as the Chief Guest. ISpA is honoured and thankful to the Hon'ble Minister for graciously accepting the invitation. The Minister has been at the forefront of mentoring and guiding India's space sector, and especially the private sector.

ISpA ACTIVITIES

Celebrating Freedom & Friendship at the Hungarian National Day Reception hosted by His Excellency, the Ambassador of Hungary to India, Mr. István Szabó, in New Delhi on 31st October 2025

ISpA team was honoured to attend a magnificent celebration of freedom, sovereignty, and the enduring friendship between India and Hungary at the reception hosted by Embassy of Hungary.

Ambassador Szabó's gracious hospitality and insightful remarks highlighted Hungary's enduring spirit and the strong, multifaceted, and substantive bilateral relations between our nations. Guided by mutual respect and democratic ideals, India and Hungary continue to forge a partnership rooted in goodwill and driven by shared aspirations. It was inspiring to witness how both the nations are shaping their common values into lasting progress, working "Together for Tomorrow." Great emphasis has been placed on the expanding areas of cooperation, the including Space underscoring both nations' dedication to contributing to global scientific progress, a testament to our deepening ties.

ISpA ACTIVITIES

Lt Gen Anil Kumar Bhatt (retd), DG, ISpA met his Excellency Mr Christian Biever, Ambassador of Luxembourg to India

Lt Gen Anil Kumar Bhatt (retd), Director General, Indian Space Association met his Excellency Mr Christian Biever, the newly appointed Ambassador of Luxembourg to India.

Lt Gen Bhatt extended his warm congratulations to Ambassador Biever on his new role and invited him to attend the upcoming India International Space Conclave (IISC) 2025 , scheduled for 18–19 November 2025 in New Delhi. The meeting re-confirmed the shared interest of both India and Luxembourg in strengthening collaboration in the space domain and fostering new opportunities for partnership.

ISpA ACTIVITIES

USIMUN-2.0: Empowering Young Minds for a Safer and Inclusive Future

ISpA was a supporting partner of the USI Model United Nations (USIMUN)-2.0, held on 11–12 October 2025 at the United Service Institution of India, New Delhi. This edition focused on "Securing Space and Cyberspace for Global Peace and Inclusive Development" (**वैश्विक शांति और समावेशी विकास हेतु अंतरिक्ष व साइबर सुरक्षा सुनिश्चित करना**), bringing together passionate young delegates from schools across India.

Lt Gen Anil Kumar Bhatt (retd), DG ISpA, delivered a special address, emphasizing the importance of capacity building and fostering awareness of the peaceful, safe, and equitable use of outer space and cyberspace. The highlights of the event were:

- Strong female participation, empowering the next generation of women leaders in space, cyber, and global governance.
- Hands-on experience with United Nations Office for Outer Space Affairs (UNOOSA), United Nations General Assembly (UNGA), United Nations Human Rights Council (UNHRC), United Nations Security council (UNSC), and UN Women (UNCSW) simulations.

ISpA seeks to inspire leadership, dialogue, and engagement among young minds through such support. Congratulations to all delegates, organizers, and mentors for creating an inspiring platform for the next generation of global leaders!

ISpA ACTIVITIES

Director General, Lt Gen Anil Kumar Bhatt (retd), participated in the opening session on "Satcom-Policy & Ecosystem Enablement"SATCOM at IMC 2025

SATCOM at IMC 2025 – A Journey of Collaboration and Growth India Mobile Congress (IMC) 2025 has reaffirmed the growing importance of SATCOM in India's digital ecosystem. The SATCOM track this year featured four power-packed sessions, covering Policy & Ecosystem Enablement, Emerging Trends & Changing Landscape, Demand Generation, and Use Cases , bringing together senior representatives from IN-SPACe, ISRO, Department of Telecommunications (DOT), industry associations, and global satellite leaders.

Director General, Lt Gen Anil Kumar Bhatt (retd), participated in the opening session on "Satcom-Policy & Ecosystem Enablement". Over the years, ISpA has been endevouring to establishing SATCOM as an integral part of IMC's digital agenda. From near zero SATCOM presence four years ago, to the introduction of a dedicated segment and now a comprehensive multi-session track, the journey reflects the collective efforts of all. IMC 2025 has successfully positioned SATCOM as a vital component of India's broader digital connectivity framework, enabling last-mile access, resilience, and innovation for the nation's connected future.

ISpA ACTIVITIES

Indian Space Association (ISpA) participated at the National Day of Taiwan, held in New Delhi on 10 October 2025

Indian Space Association (ISpA) extended warmest greetings to the people of Taiwan on their National Day. We celebrate the spirit of progress, innovation, and resilience that defines Taiwan's remarkable journey. May this day bring continued prosperity, peace, and new opportunities for partnership and cooperation in the shared pursuit of technological and space innovation.

ISRO ORGANISED NATIONAL SCIENCE MEET ON VENUS ORBITER MISSION (VOM) | 31 OCTOBER 2025

During October 29-30, 2025, ISRO organised a national science meet on India's first mission to Venus, viz. the Venus Orbiter Mission (VOM), in ISRO Headquarters, Bengaluru. It was attended by about 150 scientists, engineers, faculty members and Ph.D. students, comprising members from the ISRO/DOS, as well as national research and academic institutes. More than 70 members, representing about 40 research / academic institutions of the country outside DOS, actively participated in the meeting.

India's Venus Orbiter Mission (VOM) will be a scientific mission, slated for launch in year 2028, which will address scientific problems on the Venusian atmosphere, clouds, aerosols, lightning, ionosphere, solar wind interactions, as well as the surface and subsurface of Venus.

The two-days long national science meet was organised with the objective of actively engaging the national science community, including academia and research institutes, towards maximizing the scientific potential of the mission. The meet aimed at strengthening the synergy between ISRO, national academia, and institutes, ensuring a collaborative approach to deep-space planetary exploration.

ISRO INDIAN SPACE RESEARCH ORGANISATION

During his inaugural address, Dr. V. Narayanan, Chairman, ISRO / Secretary, DOS emphasised on the need of conveying the essence of the scientific missions of India to the Indian citizens, especially, to the non-experts, inspiring them to appreciate the potential of the space exploration, and India's growing position in the global arena in the realm of space exploration. Shri A.S. Kiran Kumar, former Chairman, ISRO / Secretary, DOS, member space commission, brought out that India has demonstrated the capabilities to steer complex space science missions and the Venus mission has been India's natural choice after having explored Moon and Mars in the pursuit of solar system exploration. Shri M. Ganesh Pillai, Scientific Secretary, ISRO underscored the importance of engagement of the national scientific community during the preparatory phase of the mission, in order to achieve the desired integrity and global competitiveness of the scientific objectives. Dr. Tirtha Pratim Das, Director of the Science Programme Office, ISRO Headquarters, appraised the scientific community about ISRO's recent endeavour on preparing the scientific community for analysing Venusian science data through the Announcement of Opportunity (AO) recently floated by ISRO, to analyse the archival data of the global Venus missions.

The national science meet was structured to convey the key information on the scientific and technological aspects of the mission, as well as the outstanding problems on Venus that India's VOM is intended to address. There were detailed discussions on the scientific instruments and techniques to be used in the VOM, towards the understanding of the Venusian atmosphere, clouds, aerosols, ionosphere, surface, sub-surface, as well as the interaction between the Sun and Venus. In addition to the brainstorming sessions, there were panel discussions with focus on modelling/simulation activities.

NRSC/ ISRO SIGNS MOU WITH BCCL AND CMPDI ON USE OF SATELLITE DATA FOR SURFACE COAL FIRE & LAND SUBSIDENCE MAPPING IN JHARIA COAL FIELD | 31 OCTOBER

A tripartite MoU on 'Delineation of Surface coal fire and associated land subsidence in Jharia coalfield (2025-27), Jharkhand, using satellite based Remote sensing techniques' is signed amongst NRSC/ ISRO, Bharat Coking Coal Limited (BCCL), Dhanbad, Jharkhand and Central Mine Planning & Design Institute Limited (CMPDI) Ranchi, Jharkhand, on October 15, 2025.

In this study, NRSC/ ISRO will use AI based techniques to map coal fires using Thermal Infrared (TIR) and Short Wave Infrared (SWIR) remote sensing data on quarterly basis in Jharia Coalfield. In addition, SAR interferometric technique will be used to identify land subsidence in Jharia coal field on annual basis, using data from NISAR and Sentinel-1 satellites.

The results of the satellite-based analysis will be jointly validated on the ground. These maps will help BCCL to implement and monitor the Jharia Master Plan of Ministry of Coal, for appropriate management interventions.

ISRO INDIAN SPACE RESEARCH ORGANISATION

LVM3-M5/CMS-03 MISSION | 26 OCTOBER 2025

India's LVM3 launch vehicle has successfully launched the CMS-03 communication satellite in its 5th operational flight (LVM3-M5) on November 02, 2025. CMS-03 is a multi-band communication satellite that will provide services over a wide oceanic region including the Indian landmass. CMS-03, weighing about 4400kg, will be the heaviest communication satellite to be launched to Geosynchronous Transfer Orbit (GTO) from Indian soil. The previous mission of LVM3 launched the Chandrayaan-3 mission, where in, India became the first country to land successfully near the lunar south pole.

The launch vehicle has been fully assembled and integrated with the spacecraft and has been moved to the Launch Pad on October 26, 2025 for further pre-launch operations

ISRO INDIAN SPACE RESEARCH ORGANISATION

CURTAIN RAISER ON ESTIC-2025 FOCUSSING ON SPACE TECHNOLOGIES THEME | 23 OCTOBER 2025

The Indian Space Research Organisation (ISRO), under the Department of Space (DOS), organised a Curtain Raiser event for Emerging, Science, Technology and Innovation Conclave(ESTIC 2025) focussing on Space Technologies theme.

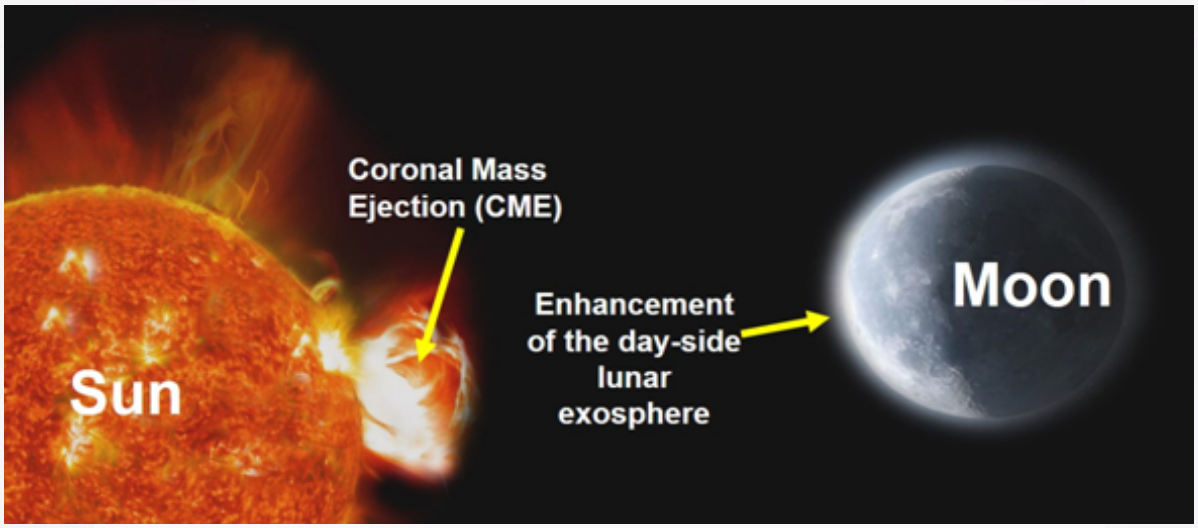
The event held at ISRO Headquarters, Bengaluru, on October 23, 2025, in the presence of Dr. V. Narayanan, Secretary, Department of Space / Chairman, ISRO; Shri Rajarajan A., Director, Vikram Sarabhai Space Centre (VSSC); and Mr. M. Ganesh Pillai, Scientific Secretary, along with senior scientists, officials, and members of the media.

About ESTIC 2025

The Emerging Science, Technology and Innovation Conclave (ESTIC), an initiative of the Department of Science and Technology (DST), Government of India, aims to bring together innovators, researchers, industry leaders, policymakers and institutions to advance India's capabilities in science, technology and innovation.

ESTIC 2025 will serve as a dynamic platform to showcase emerging technologies, share success stories and promote cross-disciplinary collaboration. Aligned with national missions on scientific advancement and sustainable development, it envisions an inclusive, self-reliant innovation ecosystem that accelerates the translation of ideas into real-world applications for societal benefit.

CHANDRAYAAN-2 OBSERVES EFFECTS OF THE CORONAL MASS EJECTIONS FROM THE SUN ON THE LUNAR EXOSPHERE | 18 OCTOBER



India's Chandrayaan-2 lunar orbiter has made the first-ever observation of the effects of the Sun's Coronal Mass Ejection (CME) on the Moon, with one of its scientific instruments Chandra's Atmospheric Composition Explorer-2 (CHACE-2) onboard. Observations from CHACE-2 showed an increase in the total pressure of the dayside lunar exosphere (very thin atmosphere) when the CME impacted the Moon. The total number density (number of neutral atoms or molecules present in an environment per unit volume) derived from these observations showed an increase by more than an order of magnitude. This increase is consistent with earlier theoretical models, which predicted such an effect, but CHACE-2 onboard Chandrayaan-2 has observed such an effect for the first time.

The Earth's Moon has a very thin atmosphere, which falls under the category of 'exosphere', implying that the gas atoms and molecules in the lunar environment rarely interact despite their coexistence. The boundary of the exosphere is the surface of the Moon and hence the Moon's exosphere falls under the category of 'surface boundary exosphere'. Theexosphere on the Moon is produced by a number of processes, which involves the interaction of solar radiation,solar wind (ions of Hydrogen, Helium and a small quantity of heavier ions emanated from the Sun) and the impact of the meteorites with the surface of the Moon.

CHANDRAYAAN-2 OBSERVES EFFECTS OF THE CORONAL MASS EJECTIONS FROM THE SUN ON THE LUNAR EXOSPHERE | 18 OCTOBER

These processes liberate atoms/molecules fromthe surface of the Moon, which become a part of the exosphere. In general, the exosphere of the Moon is highly sensitive to even small variations of the factors that are responsible for its creation, and such a factor is the emission of the coronal mass of the Sun, known as CME (short form of Coronal Mass Ejection). CMEs are the events when the Sun ejects significant quantities of its building material, comprising mostly Helium and Hydrogen ions. These effects are significant on the Moon, as Moon is an airless body, that too deprived of any global magnetic field, the presence of which would have shielded (even partially) the solar effects on its surface.

This opportunity to directly observe the effects of the CMEimpacting on the Moon came in a rare occurrence, on May 10, 2024, when a series of coronal mass ejections (CMEs) were hurled by the Sun. This increased quantity of the solar coronal mass that impacted on the Moon enhanced the process of knocking off the atoms from the lunar surface, thereby liberating them to the lunar exosphere, which manifested as the enhancement of the total pressure in the sunlit lunar exosphere.

This observation would provide scientific insight in the understanding of the lunar exosphere and space weather effects on the Moon. Apart from pushing the edge of our scientific understanding about the Moon and the lunar space weather (effect of the Sun's emissions on the Moon), this observation also indicates the challenges of building scientific bases on the Moon. Lunar base architects need to account for such extreme events, which would temporarily alter the lunar environment, before the effects subside.

ISRO INDIAN SPACE RESEARCH ORGANISATION

ISRO ORGANISES XPOSAT NATIONAL MEET AND OPENS UP THE SCIENTIFIC DATA FROM THE XPOSAT MISSION ALONG WITH ANNOUNCEMENT OF OPPORTUNITY FOR NATIONAL GUEST OBSERVER | 13 OCTOBER

On October 13, 2025, ISRO organised a National Meet on XPoSat mission and released the scientific data from the mission to the scientific community. XPoSat is India's space-based X-Ray astronomy observatory in a Low Earth Orbit (LEO) of around 650 km altitude and 6 degrees of inclination. It carries two scientific payloads, viz. POLIX, aimed at measuring the degree and angle of polarization in medium X-ray energy range of 8-30 keV, and XSPECT, which will provide spectroscopic information in the energy range of 0.8-15 keV. The POLIX payload is developed by Raman Research Institute, Bengaluru in close coordination with ISRO, while the XSPECT payload is developed by U R Rao Satellite Centre (URSC), ISRO, Bengaluru. The spacecraft was launched on Jan 1, 2024 by ISRO rocket PSLV-C 58 from Satish Dhawan Space Centre (SDSC), SHAR/ISRO. XPoSat is intended to be used as a proposal-driven space-based X-Ray astronomy observatory, like India's multi-wavelength space-based astronomical observatory AstroSat.

The XPoSat datasets, as well as the supporting tools can be accessed from the portal of the Indian Space Science Data Centre (ISSDC). The following links may be accessed to explore the XPoSat data and the relevant tools (XPoSat Proposal Processing System and XPoViewer – the XPoSat Targets Visibility Analysis Tool).
https://pradan1.issdc.gov.in/x01 (to access XPoSat data)
https://xpps.issdc.gov.in/web (to access the XPoSat Proposal Processing System)
https://webapps.issdc.gov.in/XPoViewer (to access the XPoViewer)
The Announcement of Opportunity (AO) to propose astronomical observations through XPoSat

X-RAY POLARIMETER SATELLITE (XPOSAT) ANNOUNCEMENT OF OPPORTUNITY | OCTOBER 2025

XPoSat (X-ray Polarimeter Satellite) is India's first dedicated X-ray polarimetry mission to study various dynamics of astronomical sources in extreme conditions. The mission was launched on Jan 1, 2024 by ISRO rocket PSLV C-58 from Satish Dhawan Space Centre (SDSC) SHAR, Sriharikota, the spaceport of India.

This announcement is open to Indian scientists / researchers residing and working at institutes/universities/colleges in India, who are involved in research in the area of astronomy and are equipped to submit proposals as Principal Investigators (PIs) for specific target observations with necessary scientific and technical justification and can analyse the data, if the target is observed based on approvals.

Proposers will need to use the XPoSat Proposal Processing System (XPPS) (website: https://xpps.issdc.gov.in/web/) to create, prepare and submit proposals. The XSPECT proposers guide available online provides a description of XSPECT proposal preparation.

Any PI has the right to reduce the proprietary period by sending an email to 'issdc@istrac.gov.in' with a copy to 'sspo@isro.gov.in', recommending for placing the data in ISSDC data archive before the end of the proprietary period.

The deadline for submission of proposals for the first AO cycle is November 30, 2025.

"The research is based (partially or to a significant extent) on the results obtained from the XPoSat mission of the Indian Space Research Organisation (ISRO), archived at the Indian Space Science Data Centre (ISSDC)".

ISRO may use any/all results that are derived from XPoSat data and published through academic papers in journals or any other publications by the user, for its own use, in its reports and publications with due reference/ acknowledgments to such journals and publications.

Schedule
Further details about the mission (https://www.isro.gov.in/XPoSat.html)

NESAC USER INTERACTION MEET 2025 (NEUIM-2025) | 6 OCTOBER 2025

The third User Interaction Meet of NESAC (NeUIM-2025) was held during 25-26th September, 2025 at NESAC, Shillong, through hybrid mode. The primary aim of the event was to drive greater leveraging of Space and GeoAI technologies for strengthening governance, infrastructure development, natural resources & disaster management, and capacity enhancement in the North Eastern region.

More than 540 participants (including 107 in-person) representing 122 Central & State user departments, industry and academia attended NeUIM-2025. The program included six technical sessions and inaugural & concluding sessions, with 42 speakers from ISRO/ DoS, other Government Departments, Academia and Industry sharing valuable insights.
Shri Satinder Kumar Bhalla, Secretary, North Eastern Council (NEC) was the Chief Guest of NeUIM-2025, along with Dr. Prakash Chauhan, Director, NRSC, and Dr. R.P. Singh, Director, IIRS, as Guests of Honour. Dr. S. P. Aggarwal, Director, NESAC delivered the welcome address, highlighting NESAC's 25-year journey, with 400+ projects, and focus on disaster management and user-driven solutions.

Shri Satinder Kumar Bhalla, Secretary, NEC, lauded NESAC on its silver jubilee celebration year, affirming that users form the cornerstone of all technological ecosystems, including space technology applications. Dr. Prakash Chauhan, Director, NRSC reiterated the role space technology in the development of NER and highlighted the open access of Indian EO data, as well as the current & upcoming earth observation missions of ISRO. Dr. R. P. Singh, Director, IIRS highlighted ISRO's user-driven approach and the need for advanced modeling in climate & disaster management initiatives.

ISpA IN NEWS

Satellite communication services likely to begin next year; industry awaits draft space law: IsPA chief AK Bhatt
16 October 2025
Money Control/ News Bytes

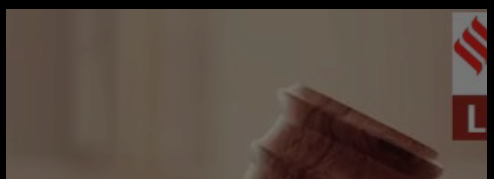
India's SATCOM Future Hinges on Government Push, Says ISPA Director General Lt Gen (retd) AK Bhatt
15 October 2025
Money Control

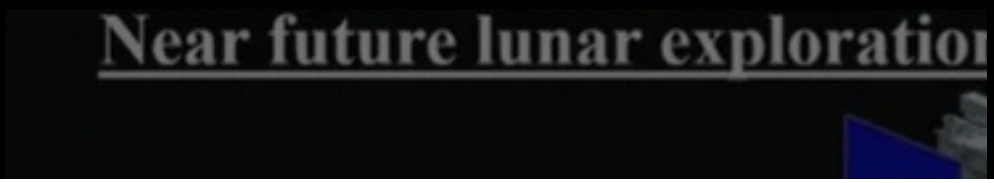
Spacetech in the spotlight: India's Path to Global Leadership
15 October 2025
Entrepreneur India

Collaboration Is The Key For Indian Private Space Sector Players
11 October 2025
Orbital Today

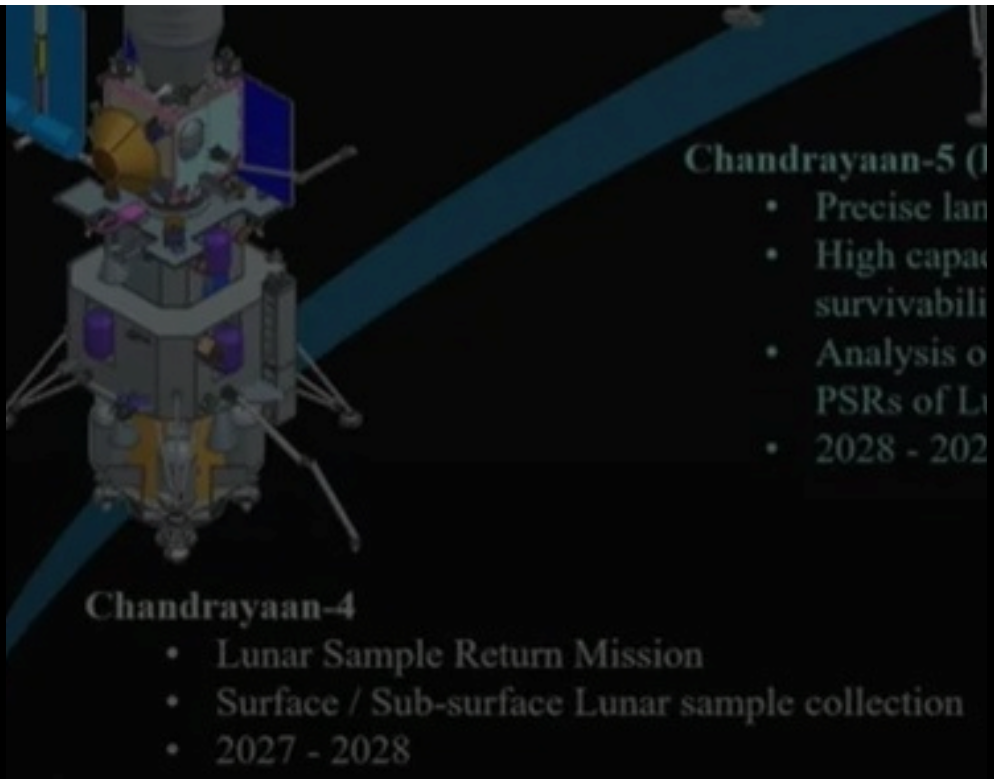
Satellite communication services might be offered in India from 2026
16 October 2025
NewsBytes

Satellite communication services might be offered in India from 2026
16 October 2025
NewsBytes





NATIONAL NEWS



NATIONAL NEWS

Eutelsat OneWeb yet to get security clearance for satellite broadband as Starlink conducts demo in Mumbai
31 October 2025
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info@ispa.space

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- Musk ally Jared Isaacman in talks to reclaim NASA chief nomination
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- As the U.S. and China race to the moon, America's hopes rest on SpaceX — and it's behind
- Is the world going to end NASA-supercomputer warns earth could become lifeless soon
- Elon Musk claims SpaceX to carry 90% of global payload mass to space in 2025; Google CEO Sundar Pichai responds
- US military greenlights up to 100 SpaceX launches per year from California
- NASA's X-59 'quiet' supersonic jet makes historic 1st flight (photos)
- Space shuttle Discovery fight continues as Texas senators rope Department of Justice into their tug-of-war with Smithsonian
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- Artemis Accords: What are they & which countries are involved?

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- Chinese rocket crashes next to residential area after deploying satellite in space
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- China reveals crew for Shenzhou 21 mission to Tiangong Space Station, including nation's youngest astronaut
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- The Arctic, outer space and influence-building: China and Russia join forces to expand in new strategic frontiers
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- Israel must expand beyond defense in order to win in space - opinion
- Ricoh perovskite solar cells installed on Japan Aerospace Exploration Agency cargo transfer spacecraft1 HTV-X1
- A framework agreement between Israel and Hungary in the field of space
- Large chunk of suspected space debris found in Australian desert

GOVERNMENT POLICIES/ CONSULTATIONS/ RECOMMENDATIONS/ ANNOUNCEMENTS

Hyderabad Emerging As Global System Design Hub: Bhatti Telangana

Deputy Chief Minister Mallu Bhatti Vikramarka said Hyderabad has long been a hub of science and innovation and was now emerging as a global centre for system design.

Karnataka's Centre of Excellence in space tech to incubate and accelerate startups

India's first state-level Centre of Excellence (CoE) in space technology in Karnataka is all set to incubate and accelerate startups in the space sector. The CoE -- the Karnataka Innovation and Technology Society (KITS) will accelerate India's space innovation ecosystem. The Centre in Bengaluru will work with targeted interventions in capacity building, research and development, and startup acceleration over a five-year roadmap (2025-2030).

https://eitbt.karnataka.gov.in/esdm/public/135/coe-space-tech/en

ISpA UPCOMING EVENTS

INDIA INTERNATIONAL SPACE CONCLAVE (IISC 2025)

The 4th edition of ISpA's annual flagship event the **India International Space Conclave (IISC 2025)**, will be held from **18th to 19th November 2025, at The Lalit, New Delhi**. This year, we are exploring themes under ***"Expanding Horizons: Innovation, Inclusion & Resilience in the New Space Age".***

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- Inspecity Space Laboratories
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@ispa.india

Contact ISpA

INDIAN SPACE ASSOCIATION
Bhumandal Se Brahmaand Tak

ispa.space

+91 96673 03304

info@ispa.space

United Service Institution (USI) Building, Ground Floor Rao Tula Ram Marg (Opposite Signals Enclave Shankar Vihar), Delhi Cantonment, New Delhi, Delhi 110010