

NEWSLETTER

INDIAN SPACE ASSOCIATION



EXPLORING THE FINAL FRONTIER:

ISpA Newsletter Unveils Future of Sustainable Space Exploration



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.

HIGHLIGHTS OF THE MONTH

- GSAT-N2 mission to enhance India's broadband infra
- ISRO's reusable launch vehicle, made for low-cost space missions, set for 3rd test landing this week
- SpaceX unveils Starlink Mini, a backpack-sized satellite internet antenna, for \$599
- Sunita Williams stuck in space for over 2 weeks: Report says NASA and Boeing knew about Starliner leak before launch
- A Chinese spacecraft lands on moon's far side to collect rocks in growing space rivalry with US
- China, France launch satellite to better understand the universe
- Women find their feet in India's space sector
- Hubble goes to single-gyro operating mode as NASA passes on private servicing mission
- IIT Madras joins hands with NASA to study pathogens in international space station
- Modi 3.0: DPDP, sat spectrum norms, electronics PLI boost on cards
- Amit Shah suggests use of ISRO satellite imagery for flood management in Northeast

MEMBERS BULLETIN

AGNIKUL

- Agnikul Cosmos launched Agnibaan with the world's first 3D-printed engine from their own ISRO-based launchpad.
- Agnibaan SOrTeD marked India's first indigenously designed and manufactured semi-cryogenic engine rocket launch.
- Agnikul plans an orbital launch in 9-12 months and aims to develop India's first reusable launch vehicle.
- Targeting 35-40 commercial launches annually, Agnikul aspires to lead in space transportation.
- Anand Mahindra invested in Agnikul, highlighting its innovation.
- The launch was acknowledged by Indian leaders and ISRO, marking a milestone for India's private space sector.
- Agnikul and Skyroot Aerospace are expanding options in India's space market, aiming to launch commercial satellites soon.



DHRUVA SPACE

- Dhruva Space's Thybolt-1 and Thybolt-2 satellites completed a total of 15,000 orbits before deorbiting.
- Launched on November 26, 2022, aboard ISRO's PSLV-C54, this marked Dhruva Space's maiden satellite mission.
- Currently, Dhruva Space is preparing for its LEAP-1 mission, focusing on hosted payload technology, set to launch later this year onboard their P-30 nanosatellite platform.

EUTELSAT ONEWEB

- ISRO confirmed successful re-entry and disposal of the cryogenic upper stage from the LVM-3-M3 launch vehicle that deployed 36 OneWeb satellites into orbit on March 26, 2023.
- The re-entry of the rocket body, designated "Norad ID 56082", occurred on June 14, 2024, in the Indian Ocean, following standard passivation procedures to minimize risks.
- Eutelsat OneWeb launched a Satellite Network Portal (SNP) in Luanda, Angola, aimed at enhancing its low Earth orbit (LEO) network and improving connectivity across Angola and Africa.
- The SNP in Luanda will facilitate high-speed internet access in underserved areas, supporting socio-economic development initiatives endorsed by local authorities.



MEMBERS BULLETIN

GALAXEYE

- GalaxEye Space, based in Bengaluru, has partnered with SkyFi to enhance access to high-resolution, multi-sensor Earth observation data.
- Their upcoming satellite will feature Synthetic Aperture Radar (X-band) and Optical/Multispectral Imaging capabilities, providing insights regardless of weather conditions.
- GalaxEye's maiden satellite is scheduled to launch in Q3 2024, offering 2m resolution imaging.



HAL

- HAL's aerospace division inaugurated new propellant tank production and CNC machining facilities, boosting ISRO's production capabilities for the LVM-3 rocket.
- The facilities aim to meet ISRO's demand for six LVM-3 launches annually, up from the current capacity of two launches per year.
- This enhancement underscores HAL's pivotal role in supporting India's space missions and expanding capabilities in aerospace manufacturing.

HUGHES

- Hughes Network Systems, through its subsidiary Hughes Europe, is expanding into European defense and government sectors via a collaboration with Telespazio.
- The partnership aims to offer communication solutions including satellite network software, ISR terminals, and secure 5G solutions, utilizing capacity from the Eutelsat Konnect VHTS satellite.
- Hughes also secured a significant deal in Saudi Arabia, where Luna Space Telecommunications purchased a Jupiter System Gateway and 1,200 Hughes Jupiter Terminals to enhance its VSAT network capabilities.



MEMBERS BULLETIN

INTELSAT

- Intelsat plans to establish a wholly-owned subsidiary in India to comply with the country's space policy regulations.
- The subsidiary will manage all current satellite assets and operations serving Indian customers, including spectrum and business operations.
- This move reflects Intelsat's commitment to aligning with Indian regulatory requirements and expanding its presence in the Indian market.



KERALA SPACEPARK (KSPACE)

- Visionary initiative by the Government of Kerala aimed at promoting business activities in the space technology sector and the allied domains in aviation and defence
- KSPACE signed three significant MoUs with
 - 1. ICT Academy Kerala (ICTAK) for collaboration in ICT, space technology and related areas on 24th June 2024. The agreement aims to support start-ups and entrepreneurs, fostering an innovative ecosystem
 - 2. Digital University Kerala (DUK) for cooperation in multiple areas of mutual interest on 5th July 2024 aiming to promote industries in the space technology domain, digital technologies and advanced critical technologies within Kerala.
 - 3. Vikram Sarabhai Space Centre (VSSC) for cooperation in developing Kerala Spacepark (KSPACE) on 6th July 2024 to enable mutual collaboration in building the ambitious space industrial park. The event was graced by the Hon. Chief Minister Shri. Pinarayi Vijayan and Dr. S. Somanath, Secretary, Department of Space, Government of India / Chairman, ISRO

MEMBERS BULLETIN

MAP MY INDIA

- MapmyIndia founders have established a new entity called ClarityX, focusing on AI-based data analytics and consulting services.
- Rakesh Verma, Co-Founder and CMD of MapmyIndia, shared that ClarityX aims to provide independent AI-driven data analytics and consulting to enterprises, including partnering with MapmyIndia.
- Originally starting as a data analytics company in the 1990s, MapmyIndia's founders aim to refocus on their vision for data analytics through ClarityX.



SKYSERVE

- SkyServe, based in Bengaluru, offers STORM, an AI-enabled edge computing platform for real-time satellite data analytics.
- STORM processes data directly on satellites, eliminating the need for time-consuming data transfers to ground stations.
- Positioned in India's growing spacetechnology sector, SkyServe contributes to a market projected to exceed \$77 billion by 2030, driven by private-public collaborations and policy support.

SUHORA

- SUHORA, a leader in space analytics, has formed an exclusive alliance with SatVu, a UK-based company specializing in High-Resolution Thermal Satellite imaging.
- This strategic collaboration aims to unlock significant potential for users and industries, announced at the Geospatial World Forum 2024.
- The alliance signifies SUHORA's expansion in leveraging advanced satellite technologies for enhanced analytics capabilities in the region.



IspA ACTIVITIES

4TH IN-SPACE INDUSTRY MEET

At the recent In-Space Industry Meet, the Director, of the Indian Space Association (ISpA) presented its recommendations and suggestions, highlighting the areas that require further attention and support for India's thriving space sector.



The presentation outlined requests and suggestions from ISpA, emphasizing the need for:

1. **Strengthening the funding ecosystem for space startups.**
2. **Enhancing opportunities for private industry participation.**
3. **Developing robust space infrastructure.**
4. **Providing fiscal and non-fiscal support for continued growth.**

The event's agenda was packed with insightful sessions and addresses. Shri S. Somanath (ISRO Chairman and Secretary, DoS) delivered a special address, unveiling ISRO's technology roadmap for the 'Amrit Kaal' era.

Additionally, Dr. Pawan Goenka and the IN-SPACE team provided key announcements and updates on their activities, fostering transparency and collaboration within the space ecosystem. Financing opportunities for the space sector were also discussed, with insights from the GIFT IFSC, highlighting the potential for innovative financing models and investments.

One of the highlights was the session on the Decadal Vision and Strategy Implementation by IN-SPACE Principal Consultant & ISpA NAC member AVM DV Khot (Retd), which charted a comprehensive roadmap for the growth and development of the Indian space industry.

Key Discussions:

- **ISRO's Shift in Focus:** Dr. Somanath emphasized ISRO's transition from production to R&D and innovation, highlighting the need for the industry to adopt and advance ISRO-developed technologies.
- **Industry Involvement:** Despite 80% of launchers being industry-made, only 10% of the industry is engaged in technology development. A call for increased industry proactiveness was made.
- **Private Sector Engagement:** Presentations highlighted the need for better collaboration, ease of doing business, and financial support for startups.
- **Agnibaan SorTeD Success:** Celebrated for its use of printed engines, semi-cryo technology, and commercial-grade fuel.
- **Coordination Initiatives:** Monthly inter-ministerial coordination meetings through the SC-IMC to synchronize national and global activities.
- **Ground Station As A Service (GSAAS):** Active implementation for various data services and frequency coordination.



ISRO

INDIAN SPACE RESEARCH ORGANISATION

ISRO SUCCESSFULLY COMPLETES REUSABLE LAUNCH VEHICLE (RLV) TECHNOLOGY DEMONSTRATIONS

ISRO achieved a major milestone with the successful completion of the RLV-LEX3 mission on June 23, 2024. This mission marked the third and final test in the LEX series, demonstrating India's growing expertise in RLV technology.

The test involved the "Pushpak," a winged vehicle released from a helicopter at 4.5 km altitude. Pushpak then autonomously performed maneuvers, navigating back to the runway and landing at high speed (over 320 kmph) exceeding that of commercial aircraft.

This mission validated critical technologies for future orbital re-entry missions, including advanced guidance systems for course correction and sensor fusion for precise navigation. Notably, the mission reused the flight systems from the previous LEX mission, showcasing ISRO's capability for cost-effective reusability.

The success of the LEX program signifies a significant step forward for ISRO's RLV development, paving the way for future advancements in space transportation.





DEPARTMENT OF TELECOMMUNICATION



The Department of Telecommunications (DoT) has constituted six stakeholder advisory committees which will give inputs for fostering the growth of the sector and also for resolving key issues. The move was spearheaded by communications minister Jyotiraditya Scindia (pictured), who took charge earlier this month.

Committees have been constituted for original equipment makers (OEMs), telecom service providers (TSPs), the satellite communications ecosystem, internet service providers (ISPs), electronics, and an advisory committee of academicians and research and development in the telecommunications sector.

Source: IAFI newsletter



In a gazette notification released on July 4, the government has enforced sections 6-8, 48, and 59(b) of the Telecommunication Act 2023. These sections relate to the efficient utilization of spectrum and the monitoring of said utilization (sections 6-8), the prohibition of the equipment used to block telecommunication signals (section 48), and the appointment of the chairperson and members of the Telecom Regulatory Authority of India (TRAI) [section 59 (b)]. These sections came into force on July 5.

Additionally, rules falling under the Telecommunications Act, 2023, will be in place in the next six months, senior sources at the Department of Telecommunications have said. They partially came into effect on Wednesday. Without the rules in place, many of the provisions of the Act can't be enforced, they added. A case in point, inter-ministerial consultations with the Ministry of Electronics and Information Technology (Meity) will decide on the rules for intercepting and detaining messages.

Crucially, some of the major reforms that the Telecom Act wished to achieve, including the introduction of an authorization regime, mandatory biometric verification of users, amendments to the Telecom Regulatory Authority of India Act, 1997, and **allowing administrative allocation of spectrum for satellite communications**, are yet to come into effect.

[Read More.](#)

ISpA ACTIVITIES

MEETING WITH HON'BLE MOS IC DR. JITENDRA SINGH JUNE 20, 2024:

- DG ISpA congratulated Dr. Jitendra Singh on becoming Minister of Space in the Department of Space for the third time.
- They engaged in an insightful conversation regarding the future of the space sector.
- The space fraternity expressed happiness over Dr. Singh's continued guidance and support.
- The interaction highlighted expectations for continued advancement and support in India's space initiatives.



SESSION AT GEOSPIRAL WORLD FORUM 2024 ON RESILIENT SPACE INFRASTRUCTURE JUNE 11 - JUNE 12, 2024:

- DG ISpA chaired Plenary Session 2 at Indo-Pacific GeoInt 2024.
- The session focused on "Resilient Space Infrastructure" and its significance for India's space capabilities.
- Discussions centered on strategies to bolster redundancy and adaptability in space infrastructure.
- The event highlighted key insights into enhancing India's space resilience amid evolving challenges.

ISPA EXPERT TALK SPACETECH WEBINAR JUNE 10, 2024:

- The Indian Space Association (ISpA) held a webinar on "DAP 2020 and Latest Amendments" on June 10, 2024.
- Bharath Simha Reddy P from Azsita-BST discussed updates to the Defense Acquisition Procedure (DAP) 2020.
- The webinar aimed to inform stakeholders in the space industry and government procurement.

Watch on YouTube: <https://www.youtube.com/watch?v=UbPmah6qflc>

A promotional poster for an ISpA Expert Talk SpaceTech Webinar. The poster features a blue background with a globe and circuit-like patterns. At the top, it says "ISpA Expert Talk" and "SpaceTech Webinar". Below that, it lists the topic: "Presentation on 'DAP 2020 and latest amendments'". A QR code is provided for registration. A circular portrait of the speaker, Bharath Simha Reddy P, is shown. Below the portrait, it says "Bharath Simha Reddy P" and "Speaker". At the bottom, it lists the date "10 JUNE, 2024", the time "1100 - 1300 Hrs", and the mode "Mode: Online". A red button says "REGISTER NOW". The Indian Space Association logo is in the top right corner.

ISpA IN NEWS

Telecom, Electronics Cos Hope for Policy Push

10 June 2024
The Economic Times

Industry leaders expect PM Modi-led new government to take country closer to 'Vision2047'

8 June 2024
Zee Business

It's T minus 10, 9, 8, 7... before Indian space tech liftoff

11 June 2024
The Morning Context

Need for Resilient Space Infra for Safer Indo Pacific

11 June 2024
Geospatial World

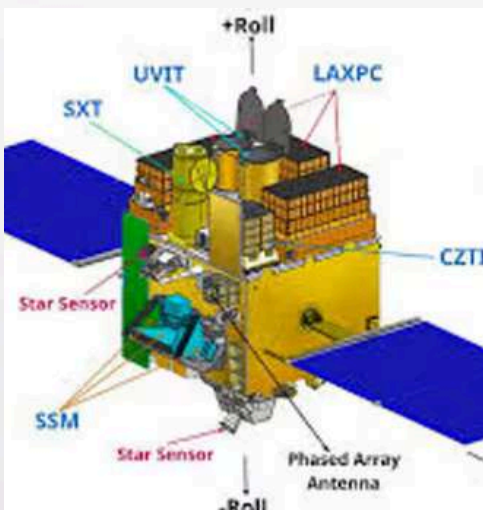
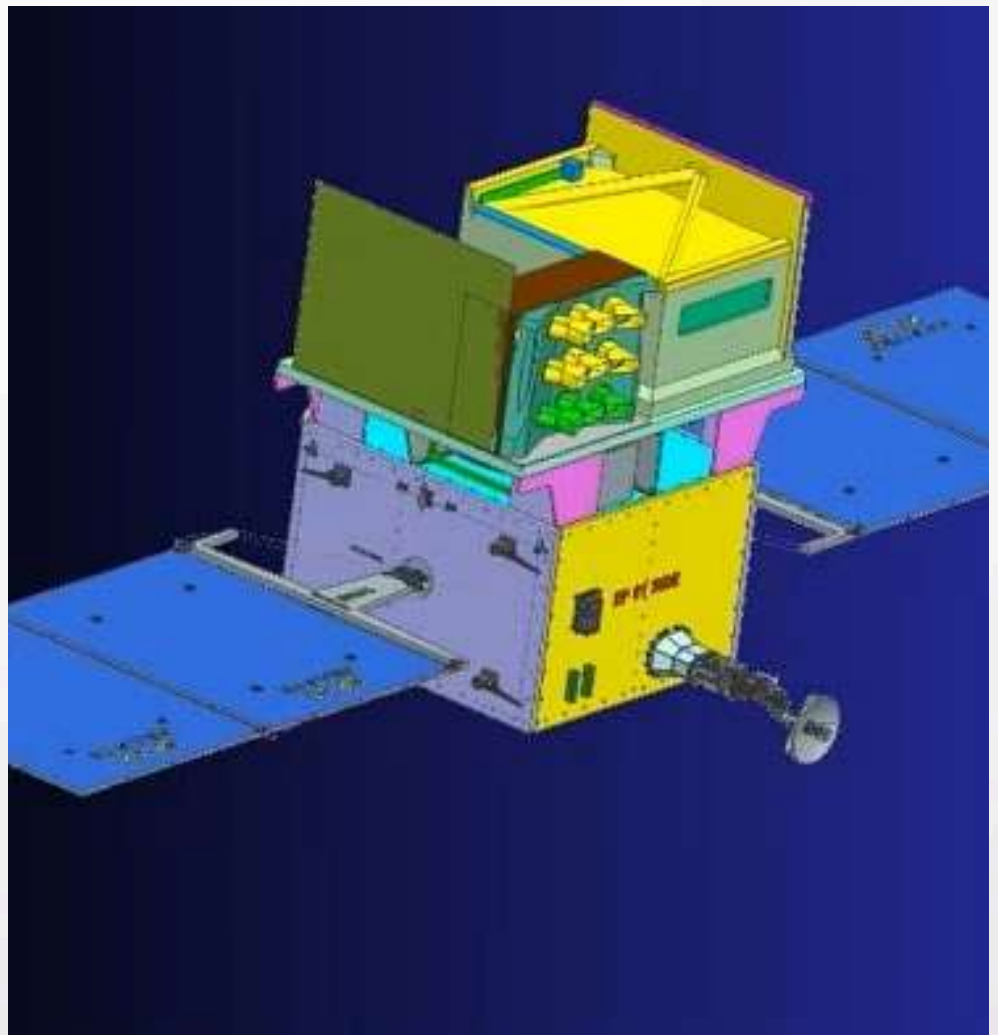
Jio gets green signal to launch satcom services

14 June 2023
The Financial Express

Internal demand needed to fuel India's space economy

24 June 2024
Mint

NATIONAL NEWS



NATIONAL NEWS

ISRO is hand-holding start-ups to create a vibrant space ecosystem

02 June 2024
The Hindu

ISRO, Wipro 3D partner for sustainable space exploration

02 June 2024
The Statesman

ISRO hand-holding start-ups to foster space ecosystem

03 June 2024
The Hindu

ISRO develops PraVaHa software for aerodynamic design and analysis

03 June 2024
The Hindu

'Limited access, insufficient funding...': Engineer who helped build Chandrayaan-3 reveals why ISRO isn't self-sufficient

04 June 2024
Business Today

Thermal imaging Indo-French satellite to aid climate action

05 June 2024
Deccan Herald

Women find their feet in India's space sector

9 June 2024
The Economic Times

ISRO all set for third reusable launch vehicle landing experiment

9 June 2024
The Hindu

Modi 3.0: DPDP, sat spectrum norms, electronics PLI boost on cards

9 June 2024
Business Standard

IIT Madras joins hands with NASA to study pathogens in international space station

11 June 2024
The New Indian Express

Spectrum auction, telecom Act rules, key task for Jyotiraditya Scindia

11 June 2024
The Financial Express

Three-time MP from J&K, Jitendra Singh, gets Ministry of Science and Technology

10 June 2024
Hindustan Times

Will soon come up with an action plan: Scindia

12 June 2024
The Financial Express

PM Modi to steer India's space dreams: What lies ahead in Modi 3.0?

11 June 2024
India Today

Musings on 4th InSpace Industry Meet

12 June 2024
Geospatial World

Rocket boys: Cricket buddies from Chennai built a rocket with 3D-printed engine

14 June 2024
The Indian Express

Weather holds up RLV 3rd landing trial; Chopper delays Gaganyaan air drop test

14 June 2024
The Times of India

SIA reports more record growth for the global commercial satellite industry

13 June 2024
SpaceNews

ISRO Announces Indo-French Thermal-Imaging Mission for Climate and Water Monitoring

13 June 2024
Geospatial World

Why mission TRISHNA has an edge over other similar missions?

13 June 2024
The Week

Multiple players target Latin American and Indian satellite internet market

13 June 2024
Developing Telecoms

Balanced administrative fees crucial for satcom regulation, user interest, says Intelsat's Gaurav Kharod

17 June 2024
ET Telecom

Notifying new telecom rules DoT's focus for first 100 days: Officials

16 June 2024
Business Standard

Satellite launch market grim, need to create internal demand: ISRO chairman S Somanath

16 June 2024
The Economic Times

GSAT-N2 mission to enhance India's broadband infra

15 June 2024
United News of India

India's first Space Observatory 'AstroSat' sheds light on Neutron Star Structure

15 June 2024
The Financial Express

Isro to conduct 3rd landing test of RLV Pushpak. All eyes on weather

14 June 2024
India Today

Developing an Effective Space Strategy for India's Defence

14 June 2024
Geospatial World

India, US working for training Isro astronauts at Nasa's Johnson Space Center

18 June 2024
The Times of India

US, India to launch NASA-ISRO Synthetic Aperture Radar to combat climate change: White House

18 June 2024
Mint

NATIONAL NEWS

IN-SPACe announces pre-incubation programme for aspiring space startups

17 June 2024
The Hindu

ISRO's reusable launch vehicle, made for low-cost space missions, set for 3rd test landing this week

17 June 2024
ThePrint

ISRO Partners with Manav Rachna University, Establishing New Milestone with GNSS Receiver Deployment

18 June 2024
The Financial Express

Isro to support flood risk analysis for Kerala dams

20 June 2024
The Times of India

Union Budget 2024: What's ahead for India's space sector development?

19 June 2024
Business Standard

A game-changer for India's space ambitions: Why LVM3 is crucial for ISRO?

19 June 2024
The Week

After third successful landing demonstration, India's reusable launch vehicle closer to space mission

23 June 2024
The Indian Express

Amit Shah suggests use of ISRO satellite imagery for flood management in Northeast

23 June 2024
Deccan Herald

India, Bangladesh vow to pursue collaboration in space tech, oceanography

23 June 2024
Business Standard

ISRO chairman, Italian space agency chief to attend India Space Congress

23 June 2024
Zee Business

200 times increase in Space StartUps in 2 years: Union minister Jitendra Singh

24 June 2024
The Times of India

How Isro's Pushpak landed at a faster speed than commercial aircraft

24 June 2024
India Today

Satcom players to govt: Allot provisional spectrum for faster roll out

26 June 2024
The Financial Express

iDEX inks landmark 350th contract for cutting-edge miniaturised satellite

25 June 2024
The Financial Express

Govt looks to enable satellite-based toll collection on NHs by FY25

25 June 2024
Business Standard

DGovt to part-fund 18 earth observation satellite launches in PPP model

28 June 2024
Mint

OneWeb, Jio-SES, Starlink, Amazon Kuiper to meet India's SATCOM needs

28 June 2024
Moneycontrol

India Space Congress 2024: A Surge in Women's Participation and Global Collaborations

27 June 2024
The Financial Express

Indian Space Progress

Indian Space Progress is the world's only newsletter dedicated to covering the civil Indian space landscape. Written by Jatan Mehta, a globally published space exploration writer, creator & author of Moon Monday, the newsletter contextualizes the progress of key elements driving India's increasingly relevant space capabilities in the global arena—from space technology, launch & exploration to astrophysics & planetary science to commercial & policy developments and more. You can subscribe to Indian Space Progress for free here: <https://jatan.space/subscribe>

INTERNATIONAL NEWS

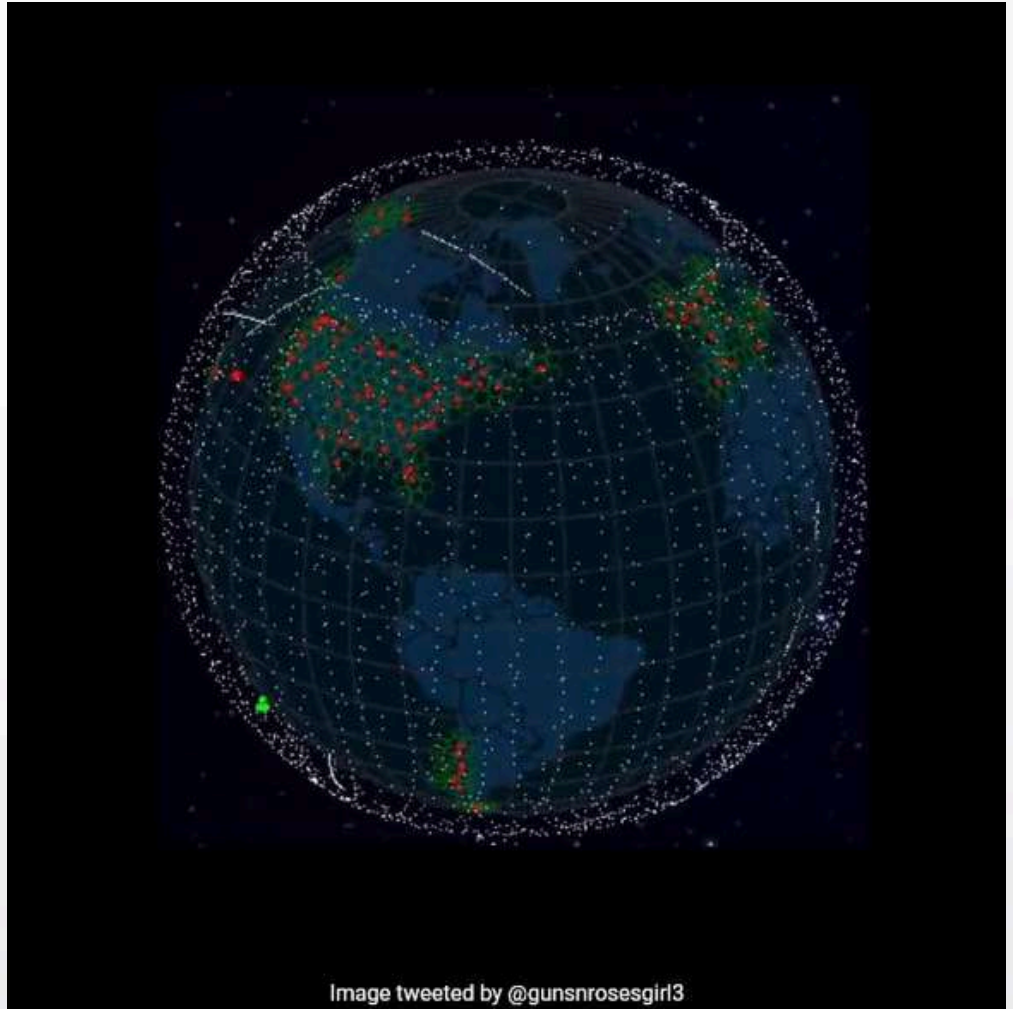


Image tweeted by @gunsrosesgirl3



INTERNATIONAL NEWS

USA

Boeing's long-awaited space mission, carrying Sunita Williams, aborted just before liftoff

02 June 2024
The Times of India

Boeing, NASA target June 5 for Starliner's debut crew flight

03 June 2024
Reuters

Hubble goes to single-gyro operating mode as NASA passes on private servicing mission

04 June 2024
Space News

A week of rocket launches: SpaceX and Boeing each prepare for high-stakes flights to space

04 June 2024
NBC News

Indian-origin astronaut Sunita Williams flies to space for 3rd time

05 June 2024
The Indian Express

Why Nasa is making a significant operational shift for Hubble Space Telescope

05 June 2024
The Times of India

US plans to award \$23.9 mln to Rocket Lab to boost chips for satellites, spacecraft

1 June 2024
ET Telecom

Apple expands iPhone satellite connectivity with latest OS update

13 June 2024
ET Telecom

Starlink Now Available in 100 Countries after Reaching Sierra Leone

12 June 2024
TelecomTalk

SpinLaunch revolutionises satellite launch with kinetic energy technology

16 June 2024
The Times of India

Boeing Starliner's return to earth from International Space Station delayed, here's why

19 June 2024
Hindustan Times

Elon Musk's Starlink Satellites Could Deplete Earth's Ozone Layer, Study Warns

19 June 2024
NDTV

'SpaceX' launches 20 Starlink satellites from California

19 June 2024
Space.com

Space for all: Seats open on SERA-Blue Origin rocket ride

18 June 2024
Deccan Herald

SpaceX's Falcon-9 to launch satellite to boost India region's broadband and cellular connectivity

18 June 2024
The Indian Express

NASA and NOAA's advanced weather satellite launch on June 25: All you need to know

18 June 2024
CNBC TV18

Boeing Starliner faces technical hurdles, Nasa astronauts' return delayed to June 26

19 June 2024
The Times of India

Is Boeing Starliner 'stuck' in space? Return to earth delayed for 3rd time, sparking concerns

23 June 2024
Hindustan Times

SpaceX unveils Starlink Mini, a backpack-sized satellite internet antenna, for \$599

23 June 2024
The Indian Express

Starlink, Project Kuiper requests for landing rights under process: IN-SPACE chairman

21 June 2024
The Economic Times

Starlink Mini- space based internet for outdoor adventurers launched

24 June 2024
India TV News

Sunita Williams stuck in space for over 2 weeks: Report says NASA and Boeing knew about Starliner leak before launch

27 June 2024
The Indian Express

INTERNATIONAL NEWS

CHINA

A Chinese spacecraft lands on moon's far side to collect rocks in growing space rivalry with US

02 June 2024
The New Indian Express

China ahead of India in the navigation race

03 June 2024
Deccan Herald

China selects first Hong Kong-based astronaut for its space programme

11 June 2024
The Times of India

Chang'e 6 success powers China's space ambitions

17 June 2024
The Financial Express.

China, France launch satellite to better understand the universe

22 June 2024
ET Telecom

China's Chang'e 6 probe will soon bring samples of the moon's far side to Earth – and scientists are getting excited

25 June 2024
Space.com

OTHER NATIONS

New Zealand's nascent space industry aims for the stars

04 June 2024
ET Telecom

Japan to launch world's 1st wooden satellite in September

04 June 2024
Space.com

Europe's Ariane 6 rocket debut planned for July 9

05 June 2024
The Indian Express

Sri Lanka grants preliminary approval for Elon Musk's Starlink to provide Internet services

7 June 2024
ET Satcom

Amazon, Vrio to launch satellite internet in South America, competing with Starlink

13 June 2024
Moneycontrol

Meet the new Sino-French satellite, which will detect the most powerful explosions in the universe

25 June 2024
The Indian Express

UN body reviews allegations of Russian satellite interference

25 June 2024
The Indian Express

Russian satellite blasts debris in space, forces ISS astronauts to shelter

27 June 2024
The Indian Express

JOB OPENINGS

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GOVERNMENT POLICIES/ CONSULTATIONS/ RECCOMENDATIONS/ ANNOUNCEMENTS

- **Consultation Paper on Revision of National Numbering Plan**
- <https://www.trai.gov.in/release-publication/consultation>
- **Consultation Paper on the Issues Related to Critical Services in the M2M Sector, and Transfer of Ownership of M2M SIMs**
- <https://www.trai.gov.in/release-publication/consultation>

UPCOMING EVENTS

Dates	Events	Venue
24th July	ISpA 3rd Annual Gen Meeting	USI, New Delhi
7-10th October	GIFAS Delegation Visit	Delhi-Hyderabad-Bangalore
14-18th October	International Astronautical Congress	Milan
15-19th October	IMC 2024	New Delhi
5-7th November	ISpA 3rd Indian Space Conclave	New Delhi

CALL FOR NEW MEMBERSHIP

ISpA is an apex non-profit industry body, set up exclusively for the successful collaborative development of the Private Space Industry in India.

- Participate in policy advocacy
- Networking and publicity opportunities
- Plethora of opportunities to advance your Business in Space Sector
- Multisectoral Partnerships
- Engagement with industry and defence experts via diverse platforms
- Access to industry-related information via reports and newsletters
- Be a part of ISpA Committees to bring expertise & interests and to guarantee the holistic development of the space sector.

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