

Newsletter

February 2023 Edition

ISpA Newsletter catalogues all endeavours undertaken by ISpA in the direction of propelling India's Space Sector forward.

HIGHLIGHTS OF THE MONTH

- ISpA organized Seminar - "India's Defence Space Initiatives" at Aero-India 2023.
- ISpA Released Concept Paper - 'Space Technology Parks to Energize Aatmanirbhar Bharat in Space Domain' at Aero-India 2023.
- ISpA Signed MoUs with Defence Innovation Organization and NASSCOM.
- ISRO successfully launched SpaceKidz India's AzaadiSAT-2 along with EOS-7 onboard the SSLV D2.
- Suhora signed an agreement with VENG to commercialize SAOCOM.
- Dhruva Space, French company Comat ink pact for space components.
- Pixxel unveils first set of hyperspectral images from their constellation.
- OneWeb confirms the successful integration of 36 satellites ahead of upcoming launch with ISRO and NSIL.



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ISpA- Indian Space Association

For General Queries: info@ispa.space, +91 9667303304

For Membership: Ms Aditi (aditi@ispa.space, +91 8437985777); coord@ispa.space



INDIAN SPACE ASSOCIATION
Bhumandal Se Brahmaand Tak

G20
भारत 2023 INDIA

75
Azadi Ka
Amrit Mahotsav

DRDO

INDIAN DEFSPACE SYMPOSIUM
2023

11-13 APRIL 2023
DRDO BHAWAN, NEW DELHI

ORGANISED BY :
Indian Space Association (ISpA)
IN ASSOCIATION WITH:
Defence Research & Development Organisation
(DRDO)
(Ministry of Defence, Government of India)

Join us to participate in a profound and engaging three day symposium,
covering multi-domain subjects impacting Defence Space.

www.ispaevents.space

QR Code

For registration:

<https://www.ispaevents.space/indian-defspace-symposium>

Early-bird Registration Deadline: 25th March 2023

Regular Registration Deadline: 01st April 2023

Members Bulletin

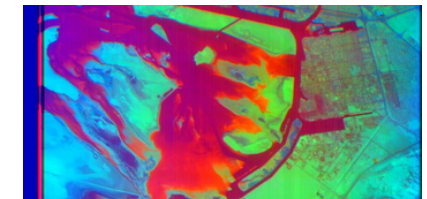
Suhora signed an agreement with VENG, with the representation of the Minister of the National Department of Science, Technology and Innovation, Daniel Filmus, to commercialise SAOCOM scenes in new markets.



SkyServe partners with NAVANC for assessment of property geospatial risk in India

Pixxel unveils first set of hyperspectral images from its satellites and started early adopter program to access hyperspectral samples

<https://share.hsforms.com/1owPG9uODTOqZbHUsYFDUWg4sbnm>



ISRO successfully launched SpaceKidz India's AzaadiSAT-2 along with EOS-7 onboard the SSLV D2.

Dhruva Space, French company Comat ink pact for space components



MapmyIndia launches GPS trackers, smart helmet kits, dash cam



OneWeb confirms the successful integration of 36 satellites ahead of upcoming launch with ISRO and NSIL

OneWeb secures \$50 million Canadian satellite capacity deal

OneWeb and Kazakhstan National Railways Sign MoU for LEO Satellite Connectivity

ISpA Activities

ISpA inks an MoU with Defence Innovation Organization (DIO)

ISpA and the Defence Innovation Organization (DIO) have partnered to drive innovation and indigenization in India's defence-space sector. The collaboration was announced on February 16 at the Start-Up Manthan event held during Aero India 2023.

With this partnership, the two organizations plan to support Indian space industry start-ups and MSMEs in developing innovative solutions to meet defence capability requirements.



ISpA has signed an MoU with NASSCOM



ISpA releases Concept Paper - "Space Technology Parks to energize Aatmanirbhar Bharat in Space Domain"

In an effort to discuss enablers for nurturing technology development ecosystem as well as the building blocks for making a strong Defence Space Industrial Complex in the country, Indian Space Association (ISpA) organised the "India's Defence Space Initiatives: Opportunities for Shaping Indian Private Space Ecosystem to lead Global Disruption" seminar at Aero India 2023 being held at Bengaluru. At the seminar, ISpA released a Concept Paper on "Space Technology Parks To Energise Aatmanirbhar Bharat in Space Domain" on the sidelines of the Aero India 2023, focusing on the reforms and enablers needed to develop a framework for STPs and to support entrepreneurs in new space technology development. The concept paper aims towards strengthening "self-reliant" and "technologically advanced" initiatives of the government.



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ISpA Recommendations - TRAI Consultation Paper on Data Communication Services Between Aircraft and Ground Stations Provided by Organizations Other Than Airports Authority of India

- Unified Licensing framework is needed for such Data Communication Services as a separate authorization under the UL. This is also consistent with approach taken in case of Captive Non-Public Networks (CNPN) licensing.
- Spectrum assignment to be continued on administrative basis. Internationally too this spectrum is learnt to be allocated administratively. Recover the associated cost of administering the spectrum license.
- The spectrum should not be used for providing services of any sort to customers onboard the flight or any access services to customers by using VHF spectrum.

ISpA Recommendations - TRAI Consultation Paper on Telecommunication Infrastructure Sharing, Spectrum Sharing, and Spectrum Leasing

- **The satellite industry is best positioned to promote connectivity in areas that lack essential access to fast and reliable communications networks.**
- Concerns that shared use of spectrum causes a loss of revenue to the government and the waste of a scarce natural resource simply do not apply to satellite-based services.
- Authorized Shared Access (ASA) of spectrum should be permitted between incumbent government primary users holding such spectrum and the access/satcom services providers who are secondary users.
- With respect to Satellite services, Infrastructure sharing should be allowed for passive networks as well as active networks as in NGSO, the same network will be shared across multiple service licensees.
- The infrastructure sharing charges should be allowed as pass-through while determining AGR for the purposes of payment of License Fee (LF) and Spectrum Usage Charge (SUC) in case of Unified License (UL), just like UL-VNO

ISpA-AeroIndia Seminar - India's Defence Space Initiatives: Opportunities for Shaping Indian Private Ecosystem to lead Global Disruption

In an effort to discuss enablers for nurturing technology development ecosystem as well as the building blocks for making a strong Defence Space Industrial Complex in the country, ISpA organised the “India’s Defence Space Initiatives: Opportunities for Shaping Indian Private Space Ecosystem to lead Global Disruption” seminar at Aero India 2023 being held at Bengaluru.

The event witnessed the presence of chief guest Dr. VK Saraswat, Member (S&T), NITI Aayog-Gol, Chancellor-Jawahar Lal Nehru University, and Former Chairman DRDO; Guest of Honor Giridhar Aramane IAS, Defence Secretary and Secretary Defence Production, MoD; Air Chief Marshal RKS Bhaduria (Retd), Former Chief of the Air Staff; Jayant D Patil, Chairman, ISpA; Ravinder Singh, Partner, Kalaari Capital; and leaders from across the Indian Defence Forces and the Space industry.



SIDM-AeroIndia Seminar - Indigenous development of key enablers for enhancing Network Centric Operations in Aerospace Domain

Wg Cdr Satyam Kushwaha participated in SIDM’s seminar at AeroIndia 2023 on “Indigenous Development of Key Enablers For Enhancing Network Centric Operations in Aerospace Domain” where he talked about the Indian Space Industry Capability: Opportunities & Way Forward.


ISpA Workshop: Next Level ISR using SPACE-2.0

Suhora's Workshop on NEXT LEVEL ISR using SPACE 2.0 was held on February 08th-2023 at USI, New Delhi. The scheduled workshop presented the combined stack of capabilities from ISpA members, covering the following verticals (a) Satellogic: Most cost-effective 70cm Multispectral data with Intra-Day revisit. (b) ICEYE: X-Band SAR data, upto 25cm with Intra-Day revisit. (c) Satellite VU: 3.5m Thermal Data. (d) Suhora: Platform with multi-sensor data convergence and Tip-n-cue capabilities. (e) Map My India: GeoInt Solutions for Defence Applications Using MMI platform. (f) Kawa Space: Space powered SIGINT & ELINT.



ISpA-Deloitte Webinar: Impact of Union Budget 2023–24 on Space Industry

ISpA in collaboration with Deloitte India organized a webinar session on 'Impact of Union Budget 2023–24 on Space Industry' on 7th Feb 2023. The budget for the fiscal year 2023–24 has proposed an allocation of INR 12, 543.91 crore to the Department of Space. The revised budget has jumped to 19% from 2022–23 budget allocation, which was INR 10, 530 crore, a total rise of INR 2,013 crore. [Read More at]



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WEBINAR
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FEB 7TH, 2023
2PM - 3PM
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Email : info@ispa.space

Register At
<http://lnkiy.in/ispa-budget-session2023>

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NIAS Space Today: Opportunities, Challenges and Threats

National Institute of Advanced Studies (NIAS), Bengaluru held a special course on Space Today: Opportunities, Challenges and Threats -6-11 February 2023. DG, ISpA gave a Valedictory address on the developments in the Indian Space Industry. The course covered the following topics- 1. Space and National Security 2. Strategy-Technology-Policy Interface 3. Challenges Facing the Indian Space Ecosystem 4. Opportunities in Space Participation for Private Enterprises and Startups.

Conference on Geospatial Policy for National Development

DST organized a 2-Day conference on "Geospatial Policy for National Development" to address issues & gaps to have real-world impact of geospatial data on national good. With the new policy in place, the conference aimed to open the window of discussion with all the stakeholders, so that a resilient geospatial infrastructure could be built in the country. The conference aimed to help each other address the challenges, look for innovative solutions, and overcome them.





US looks to include Indian firms in NASA lunar project; NISAR in 2024, Isro astronaut may visit NASA Cent

1 Feb 2023
The Times of India



'Worst-case scenario' space junk disaster avoided in a near miss: Report

1 Feb 2023
The Indian Express



With several missions lined up, FM hikes space budget by 19% to Rs 2,013 crore

1 Feb 2023
The Times of India



111 payloads, 105 space debris identified as 'Indian objects' orbiting Earth: Space minister

3 Feb 2023
The Times of India



Pico satellite made by Chhattisgarh-Odisha students to be launched on Independence Day

5 Feb 2023
The Times of India

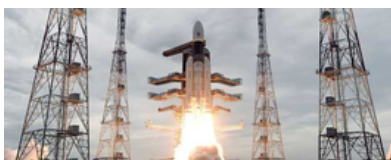
IIT-M to develop training module for India's human space flight

7 Feb 2023
The Times of India



Revised FDI policy in space sector to facilitate overseas investment in NGEs in process of approval: Minister

9 Feb 2023
The Times of India



Centre: ISRO starts process for launching space tourism

14 Feb 2023
The Tribune

BIT plans to make and launch satellite

19 Feb 2023
The Times of India



Sounding rocket built by students for educational purpose launched in Tamil Nadu

20 Feb 2023
The Financial Express

GIS co eyes more state govt projects

21 Feb 2023
The Times of India

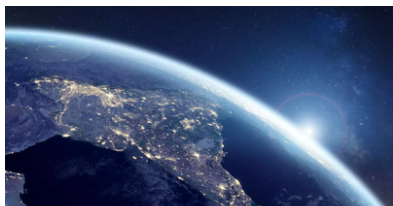
Space PSU NSIL to get office in Gift City in Gujarat; has 4 missions in 2023

24 Feb 2023
The Times of India



Budget push for Science City, to develop space manufacturing centre

26 Feb 2023
The Indian Express



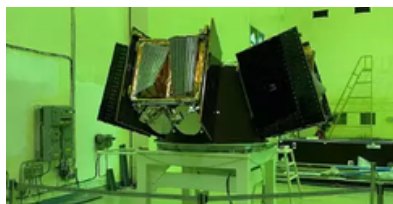
India's satellite broadband service market will reach \$1.9 billion by 2030: Report

27 Feb 2023
ET Satcom



India's Aditya spacecraft to do Surya Namaskar at L1 point near Sun; to study solar flares

28 Feb 2023
The Times of India



ISRO gets ready to launch 2nd batch of OneWeb's 36 satellites in early March

28 Feb 2023
The Times of India

USA



SpaceX launches 53 Starlink satellites on milestone 200th Falcon 9 rocket flight

3 Jan 2023
Space.com



Space industry undeterred by congestion and debris

7 Feb 2023
Space news

Scientists create experimental space module

8 Feb 2023
The Times of India



Earth & Beyond launches fund to invest in Israeli space-related firms

10 Feb 2023
ET Satcom



AST SpaceMobile Aims to Expand Space-Based Cellular Connectivity

12 Feb 2023
TelecomTalk



NASA updates plans for use of commercial space stations

15 Feb 2023
SpaceNews



How 3 satellites launched by US firm will bolster security in the Indo-Pacific

16 Feb 2023
Hindustan Times



Secretive military space agency stepping out of the shadows

20 Feb 2023
SpaceNews

USA



Musk's SpaceX to launch Arab, Russian astronauts to space as Crew-6

20 Feb 2023
India Today

Is the Space Insurance Market for LEO Sustainable?

22 Feb 2023
Via Satellite



NASA to launch Israel's first space telescope

22 Feb 2023
WION News



Amazon gets a green light to launch 3,000-satellite Kuiper constellation

23 Feb 2023
Space.com



Samsung unveils its own solution for satellite-based smartphone communication

23 Feb 2023
TechCrunch



MediaTek Brings Practical Satellite Communications To Mobile Devices

24 Feb 2023
Forbes



Commercial space a key topic for National Space Council advisory group

25 Feb 2023
SpaceNews



Boeing's Starliner on track to launch its 1st astronaut flight this spring, NASA says

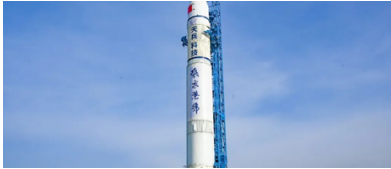
26 Feb 2023
Space.com

CHINA



China to launch at least two manned missions to space every year

15 Feb 2023
India Today



Chinese rocket firm Space Pioneer set for first launch

16 Feb 2023
SpaceNews



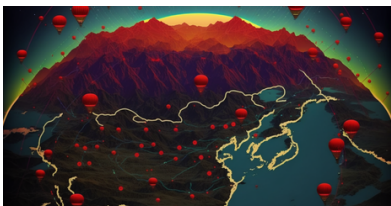
China "Most Challenging Threat" In Space Arms Race: US General

19 Feb 2023
NDTV



China launches high-capacity communications satellite after 39-day pause

23 Feb 2023
SpaceNews



The coming Chinese mega constellation revolution

23 Feb 2023
SpaceNews



China-Russia Alliance in Space Stumbles in Bid to Surpass

27 Feb 2023
Bloomberg



Oppo, Vivo and Xiaomi are bringing satellite communication to their devices through Qualcomm

27 Feb 2023
TechCrunch

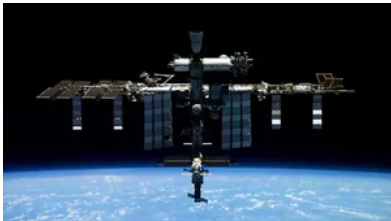
Other Nations



Russia is creating a 'satellite system' to increase the efficiency of its troops amid war

7 Feb 2023

Republic World



Russian ship docks with International Space Station to replace damaged capsule

26 Feb 2023

Mint



European startup gets \$44 million for space station transportation vehicles

2 Feb 2023

Space News



Viasat's Inmarsat bid in EU antitrust crosshairs

14 Feb 2023

ET Satcom



Musk's Starlink internet service to be offered in the Philippines in Q1

3 Feb 2023

ET Satcom



Japanese Startup To Launch Commercial Space Viewing Balloon Flights To 'Democratise Space': Report

21 Feb 2023

ABP Live

Job Openings from our Members



<https://agnikul.in/#/career>



<https://www.dhruvaspace.com/careers>



<https://www.linkedin.com/company/digantara/jobs/>



<https://galaxeye.zohorecruit.in/careers>



<https://www.pixxel.space/careers>



<https://www.linkedin.com/company/skyserve-ai/jobs/>



<https://tsctech.in/#/careers>



<https://xovian.zohorecruit.com/jobs/Careers>

TRAI releases Consultation Paper on Introduction of Digital Connectivity Infrastructure Provider (DCIP) Authorization under Unified License (UL)

<https://www.trai.gov.in/consultation-paper-introduction-digital-connectivity-infrastructure-provider-dcip-authorization>

TRAI releases Consultation Paper on Telecommunication Infrastructure Sharing, Spectrum Sharing, and Spectrum Leasing

<https://www.trai.gov.in/consultation-paper-telecommunication-infrastructure-sharing-spectrum-sharing-and-spectrum-leasing>

Department of Science & Technology releases National Geospatial Policy 2022

<https://www.meity.gov.in/content/digital-personal-data-protection-bill-2022>

TRAI releases Consultation Paper on Data Communication Services Between Aircraft and Ground Stations Provided by Organizations Other Than Airports Authority of India

<https://www.trai.gov.in/consultation-paper-data-communication-services-between-aircraft-and-ground-stations-provided>

TRAI releases recommendations on Licensing Framework for Establishing and Operating Satellite Earth Station Gateway (SESG)

<https://www.trai.gov.in/notifications/press-release/trai-releases-recommendations-licensing-framework-establishing-and>

Upcoming Events

23-25 March 2023	Umanage 2023: Technology, Entrepreneurship & Skills Summit	Chennai
24 March 2023	NWC: Cutting-edge Developments in Satellite Technology	Goa
11-13 April 2023	Indian DefSpace Symposium 2023	New Delhi
21-23 April 2023	UPES - 3rd National Space Convention (NSC) 2023	Dehradun
06-07 June 2023	ISpA Space Track - Geointelligence 2023	New Delhi
05-10 June 2023	IN-SPACe-ISpA: International Space Week 2023	Ahmedabad
08-09 June 2023	International Conference on Spacecraft Mission Operations: SMOPS-2023	Bengaluru
06-07 July 2023	Space 20: Leaders Meeting of G20 Nations	Shillong
10-12 October 2023	Indian Space Conclave 2023	New Delhi

CALL FOR NEW MEMBERSHIP

ISpA is an apex, non-profit industry body exclusively working towards the successful exploration, collaboration, and development of the private and public Space Industry in India.

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- Be a part of ISpA Committees to bring expertise & interests and to guarantee the holistic development of the space sector.

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