

## January 2023 Edition

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

### HIGHLIGHTS OF THE MONTH

- National Advisory Committee of ISpA (A body of experts) was felicitated at VIF, Delhi.
- ISpA in collaboration with IITM published White paper - Space Upstream and Downstream Opportunities and Challenges for Indo-Pacific Countries.
- IITM announced the formation of - Association of Space Entrepreneurs in the Indo-Pacific (ASEIP) with ISpA as a Founding Member.
- Digantara launched 'Pushan Alpha' Satellite for SSA.
- Digantara won National Startup Award under Space sub-category.
- SSA & STM Workshop conducted by ISRO & ASI had DG, ISpA as a panellist.
- SkyServe launched EarthSights, an Earth Observation Analytics Dashboard.



@ISpA\_India



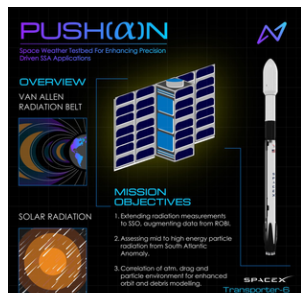
www.ispa.space



ispa.india



ISpA- Indian Space Association



Digantara launched and successfully deployed its space weather testbed second satellite 'Pushan Alpha' aboard US-based SpaceX's Transporter 6 rocket.

Startup India, DPIIT recognises Digantara Research And Technologies Pvt Ltd as the Winner for Space at National Startup Awards(NSA) 2022.



SkyServe launched EarthSights, an Earth Observation analytics dashboard for citizen scientists to understand our changing neighbourhood through dynamic satellite data.  
Focus Areas: Climate Change, Disaster Management, Food Security, Urbanization

Winner of NSA 2020, Pawan Kumar from Skyroot Aerospace, talked at NSA 2022, about how the recognition boosted the spirit of their team and highlighted how it represent quality, innovation, and a celebration of entrepreneurship for India.



Mr Rohan Ganapathy, Founder & Director, Bellatrix Aerospace addressed session on innovation, at B20 India Inception Meeting.



Skyroot Aerospace and Dhruva Space felicitated at Spacetechn event organized by NASI, NGRI, ISRO-NRSC, ASTC and Spacefed.





## ISpA Budget 2023 Recommendations

The forthcoming Union Budget 2023-24 will be crucial for the emerging space industry. Given the government's impetus in promoting the private sector's participation in this segment, the budgetary allocations are seen as potential triggers to promote the space sector. **[READ MORE AT] <https://www.financialexpress.com/defence/indian-space-association-outlines-budget-recommendations-for-the-sector/295177/>**

## ISpA PLI Scheme Recommendations

While the PLI Scheme extends to electronics manufacturing on building a vibrant and robust electronic component manufacturing ecosystem for multiple sectors such as IT Hardware, LED Products, Automotive, Medical Devices, Solar Cells, Energy Storage, etc., the space-related activities do not fall under the scheme.

**ISpA inks an MoU with Astronautical Society of India (ASI) for the promotion of Astronautics and to develop space startup ecosystem in India (DeSSEI).**



**ISpA has signed an MoU with Vivekananda International Foundation (VIF) to enhance understanding of the role of technology in strengthening the National Security of the country.**



## ISpA-VIF 2nd Roundtable Meeting on Space

The ISpA-VIF 2nd Roundtable Meeting on Space was held at VIF, New Delhi on 18 Jan 2023 under Chairmanship of Dr Arvind Gupta & Shri Jayant Patil, Chairman ISpA. A Keynote Session on legal dimension of 'Commercialization of Outer Space' was presented by Dr Ranjana Kaul.



## ISpA National Advisory Committee - Launch Ceremony and Meeting

The First Meeting of the National Advisory Committee (NAC) of ISpA was held at VIF, New Delhi on 18 Jan 2023 under Chairmanship of Dr Arvind Gupta, in hybrid mode. The meeting discussed focus areas as well as provided strategic guidance to ISpA for execution of its role and functions. Some key issues which were discussed are- FDI Policy, Geospatial Policy Adoption, 'Brand India', Cyber-security etc.

## International Workshop on Space Situational Awareness & Space Traffic Management

A workshop on Space Situational Awareness and Space Traffic Management (SSA & STM)-Growing Concerns on Space Environment, was jointly organized by ISRO and ASI with NSIL and IN-SPACe from 11th to 13th January 2023 in Bengaluru.

Leading experts from across the world in these areas delivered technical talks to raise awareness on sustainable utilisation of outer space and importance of space debris mitigation among new space actors. Director General of ISpA participated in the Panel discussion on Investment Opportunities in SSA and STM.





## IIIT Delhi Industry Day 2023

The ECE Department at IIIT Delhi recently hosted INDUSTRY DAY on campus to give institution faculty, students, and research scholars a platform to speak with industry partners directly about real-world research challenges with the goal of fostering fruitful and lasting collaborations.

Industry partners also provided a sneak preview of their ongoing research and potential for joint collaborations as part of Industry Day.

Wg Cdr Satyam Kushwaha (Retd), Director, ISpA joined the panel discussion on "Indigenisation of defence and space technologies" and interacted with students and faculty during the ISpA presentation on the Role of Next Generation in New Space Ecosystem.



## ISpA Space Startups Outreach - Ahmedabad Edition

Wrapped up a successful ISpA- Indian Space Association Outreach meeting- Ahmedabad edition on 24th Jan with budding startups MSMEs & industry leaders in Ahmedabad's Space sector.

We are excited to continue engaging with these innovative players in the industry!

## IN-SPACE Industry Meet 2.0

IN-SPACE conducted Industry Meet on January 25th, 2023 where Chairman IN-SPACE Dr Pawan Goenka presented IN-SPACE's Decadal Vision and Strategy for Indian Space Sector followed by updates on recent strides by IN-SPACE. Shri Lochan Sehra (JS, IN-SPACE) talked about (A) proposed Indian Space Policy (B) Revised FDI Policy Guidelines (C) Differential Pricing Policy AND (D) Third Party Damage Liability- Policy Framework which have been proposed. Shri Vijay Nehra (Sec DST-Gujarat) talked about Gujarat Government policy & initiatives to develop space ecosystem in Gujarat & proposed a new Space Manufacturing Park in Ahmedabad with dedicated Space Accelerator Centre. DG, ISpA gave a feedback presentation on Industry perspective.



## Collaboration between ISpA and IIT Madras

### Release of ISpA-IITM Whitepaper - "Space Upstream and Downstream Opportunities and Challenges for Indo-Pacific Countries"

In association with ISpA-Indian Space Association and US Consulate General Chennai, Indian Institute of Technology, Madras releases White Paper on Space Upstream and Downstream Opportunities and Challenges for Indo-Pacific Countries.

This White Paper intends to achieve multiple goals that are interconnected closely. The philosophy behind the conclave was to deliberate intensely and suggest action points and recommendations with clear objectives in focus.



### Announcement of formation of - Association of Space Entrepreneurs in the Indo-Pacific (ASEIP)

On 25th January IIT Madras made the announcement for formation of Association of Space Entrepreneurs in the Indo-Pacific (ASEIP).

The ASEIP would bring together the entire private industry of like-minded countries on a common collaborative platform for Space Commerce, Capacity Building, Handholding & Space Policy. Wide ranging areas have been identified for collaboration.





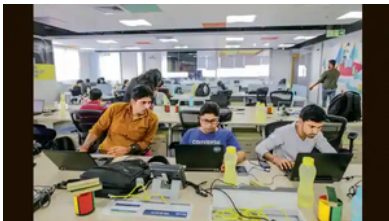
## **Mexico seeks ISRO's help to build and launch satellite**

1 Jan 2022  
The Hindu



## **ISRO lines up big-ticket Sun, Chandrayaan-3, Gaganyaan missions for launch in 2023**

1 Jan 2022  
The Times of India



## **New geospatial policy to foster startup ecosystem**

2 Jan 2022  
Mint



## **IIST launches programme on hybrid rocket experiments**

2 Jan 2023  
The Hindu



## **ISRO and MEA to explore business prospects in Africa, Middle East, Latin America, South East Asia**

9 Jan 2023  
WION



## **Space has become fourth dimension of warfare, says scientific advisor to Defence Minister Rajnath Singh**

13 Jan 2023  
The Indian Express

## **Space Park opens up possibilities for Kerala: Finance Minister K. N. Balagopal**

14 Jan 2023  
The Hindu

## **NID, ISRO to collaborate for human spaceflight**

22 Jan 2023  
The Times of India

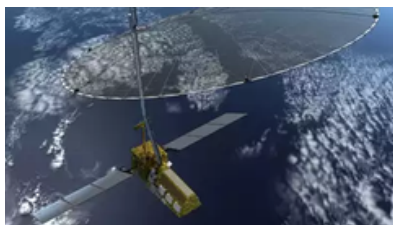


## **Small Satellite Launch Vehicle 2nd mission to carry US sat, EOS-7; OneWeb sats to arrive today**

27 Jan 2023  
The Times of India

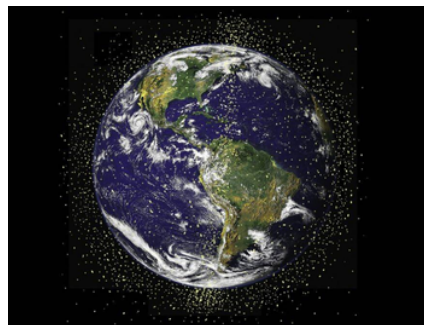
## **Scrutiny of complaints on structures missing from satellite survey of ESZs soon**

29 Jan 2023  
The Hindu



## **World's most expensive \$1.5 billion Indo-US NISAR sat project ready, payload to fly to India on February**

31 Jan 2023  
The Times of India



## **'Worst-case scenario' space junk disaster avoided in a near miss: Report | News-Source: Indian Express**

Challenge of congested and contested Space once again came to the forefront with the Near miss on 27th Jan between two defunct objects in Space - SL-8 rocket body and Cosmos 2361 (25590). An out of control collision would cause a ripple effect that would result in thousand of debris.



## USA



### **US worried about China's lunar ambitions, growing space capabilities**

3 Jan 2023  
India Today



### **SpaceX launches 114 satellites and nails rocket landing in its landmark 200th flight**

3 Jan 2023  
Space.com



### **FCC moves to form Space Bureau as its role in regulating orbit intensifies**

10 Jan 2023  
TechCrunch



### **OneWeb's in-orbit constellation reaches 542 satellites with new deployments from SpaceX**

10 Jan 2023  
ET Satcom



### **US, Japan To Extend 'Security Sphere' Into Space; Washington Required To Act If Japanese Satellites Come Under Attack**

11 Jan 2023  
EurAsian Times



### **SpaceX files papers to launch Starlink in South Korea**

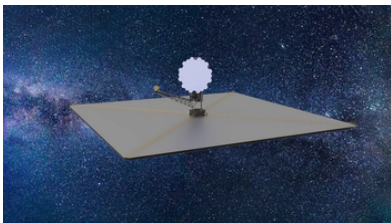
13 Jan 2023  
ET Satcom

## USA



### **Musk's SpaceX launches secret satellite for US Space Force, land twin rockets**

16 Jan 2023  
India Today



### **NASA prepares next steps in development of future large space telescope**

16 Jan 2023  
Space News



### **Satellite Players Face More Consolidation as Launches Multiply**

19 Jan 2023  
The Wall Street Journal



### **Canada wants to support commercial space launches**

20 Jan 2023  
TechCrunch



### **NASA to test nuclear-powered rocket by 2027 that will make space travel faster**

24 Jan 2023  
Mint



### **NASA tests 'revolutionary' new propulsion system designed for deep space missions**

26 Jan 2023  
The Indian Express



## CHINA



### **China sends three new satellites into space in first launch of 2023**

9 Jan 2023  
Republic World

### **Chinese rocket startup Galactic Energy sends five satellites into space**

10 Jan 2023  
CNN



### **China launches new commercial communications satellite to orbit**

13 Jan 2023  
Space.com



### **China launches classified remote sensing and tech test satellites**

18 Jan 2023  
Space.com



### **China launches 14 commercial satellites into orbit atop Long March 2D rocket**

20 Jan 2023  
Space.com



### **China to send 60 missions outside Earth in 2023, launch over 200 spacecraft**

23 Jan 2023  
India Today

## Other Nations



**Kuwait's Space foray may bring forth underlying sense of competition within Arab states: Expert**

5 Jan 2023

The Financial Express



**Taiwan planning its own Starlink-like satellite network amid China's invasion threats**

9 Jan 2023

Republic World

**South African launch of world's first agri-focused satellite will generate revenue of \$108 million**

14 Jan 2023

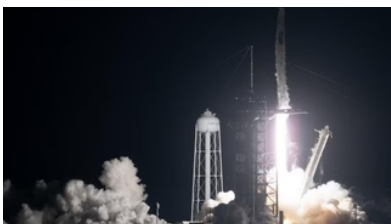
ET Satcom



**Russia sets new contingency plan for crew of damaged space capsule**

14 Jan 2023

The Times of India



**Russia aims to deploy over 1,000 satellites in orbit by 2030: Roscosmos**

25 Jan 2023

Business Standard



**Japanese H-IIA rocket launches radar spy satellite to orbit**

26 Jan 2023

Space.com



# Job Openings from our Members



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



<https://astrome.co/career/>



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



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



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



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



<https://skyroot.in/career>



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

## **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>

## **TRAI releases recommendations on "Regulatory Framework for Promoting Data Economy Through Establishment of Data Centres, Content Delivery Networks, and Interconnect Exchanges in India"**

<https://www.trai.gov.in/notifications/press-release/trai-releases-recommendations-regulatory-framework-promoting-data>



# Upcoming Events

07 February 2023	ISpA Webinar: Impact of Union Budget 2023–24 on Space Industry	New Delhi
08 February 2023	ISpA Workshop: Next Level ISR using SPACE-2.0	New Delhi
14 February 2023	5th National Preparatory Workshop for WRC-23	New Delhi
06–11 February 2023	Space Today: Opportunities, Challenges and Threats	Bengaluru
<b>13–17 February 2023</b>	<b>Aero India 2023 - ISpA Seminar on India's Defence Space Initiatives (13th Feb 2023)</b>	<b>Bengaluru</b>
<b>11–13 April 2023</b>	<b>Indian Defence Space Conclave 2023</b>	New Delhi
17–18 April 2023	Space 20: Leaders Meeting of G20 Nations.	Meghalaya
07–08 June 2023	ISpA Space Track - Geointelligence 2023	New Delhi
08–09 June 2023	International Conference on Spacecraft Mission Operations: SMOPS-2023	Bengaluru
<b>10–12 October 2023</b>	<b>Indian Space Conclave 2023</b>	<b>New Delhi</b>

## 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.

[JOIN US](#)

- 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.