



Promotion & Authorization of Space Based Activities in the Country

Kriti Khatri

**Deputy Director - Program Management & Authorization,
(IN-SPACE)**

Department of Space, Government of India

Kriti.khatri@inspace.gov.in

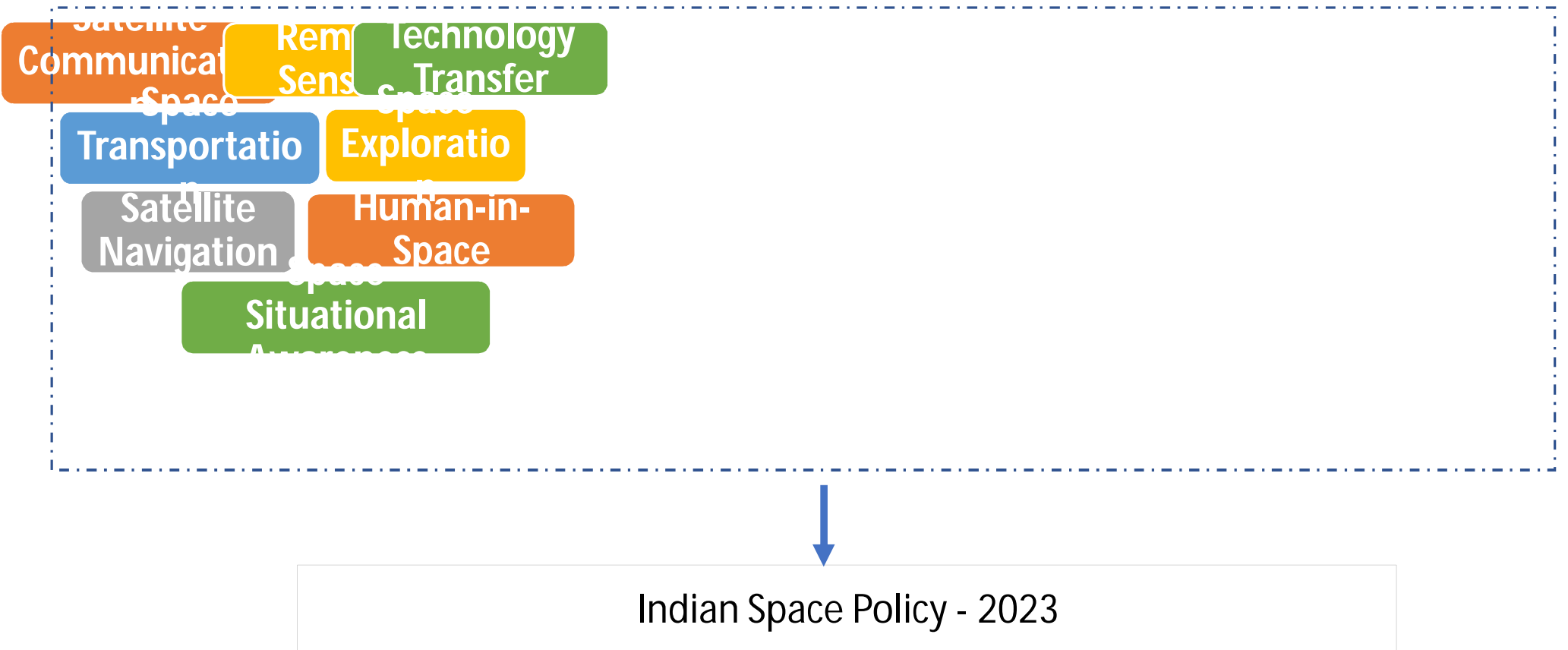
www.inospace.gov.in

NRSC User Meet, Hyderabad
March 12, 2024

Indian Space Policy – ISP 2023



Policy Framework to encourage Private sector participation



IN-SPACE Task



Promote

- Price support
- Seed Fund
- International, Industry & Academia Outreach
- Strategy for Indian Space Sector growth
- PPP/PLI/TAF

Enable

- Access to ISRO facilities
- Technologies Transfer
- Facilitate access to funding
- Mfr. clusters
- Technical Centre
- Space ecosystem / Incubation Centre

Supervise

- End to end monitoring and supervision of space activities by NGEs
- Space Industry standards and best practices
- Oversee project implementation

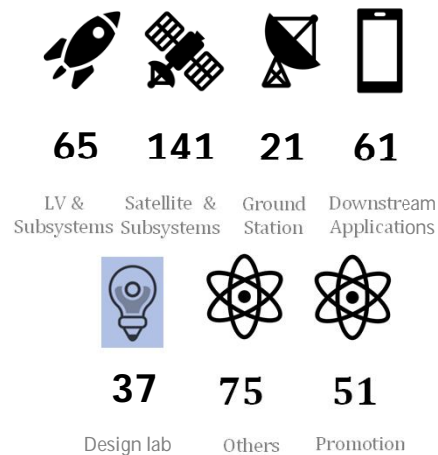
Authorize

- Authorize all space activities
- Act as a single window agency - IMC

Single Window Interface for the Industry

IN-SPACE Snapshot

451 Applications



These represent :

- 136 start ups
- 48 MSMEs
- 85 est. companies
- 31 Academic Institutes
- 36 others

IN-SPACE digital platform enabling paperless application process

51 MoUs ; 23 JPIP 33 Authorizations; 21 ToTs

- **Planned in the coming year:**
 - Agnibaan sub-orbital LV by Agnikul
 - Skyroot Orbital LV
 - IITM SAT by IIT Madras
 - Parikshit Satellite by Manipal University
 - 2 Satellites by Aadyah Aerospace Pvt. Ltd.
 - Satellite by Dhruva Space Pvt. Ltd.
 - ***And many more***

Enabling Space Ecosystem

- Space Policy
- Revised FDI Policy
- Seed Funding for Space Tech Start ups
- Space Tech courses
- IN-SPACE Technical Centre
- International Outreach
- Streamlining Process – EoDB

Scope of Guidelines on EO Data Dissemination



- 1) EO data dissemination guidelines deals with
 - ❖ **Primary data** and
 - ❖ pertaining to **Indian territory**
- 2) "**Primary Data**" shall mean either **raw data** received from a RS/EO satellite or processed raw data limited to **geometric & radiometric corrections only**.
- 3) Direct download of data through cloud, website/portal, internet or any other means constitutes as data dissemination
- 4) Only Indian entity can apply for dissemination of data.
- 5) User need not approach IN-SPACE

Scope of Guidelines on EO Data Dissemination



6) Dissemination of **high-resolution primary data** ($\leq 30\text{cm GSD}$)



Requires **Authorization** from IN-SPACE

7) Dissemination of Primary Data pertaining of **greater than 30cm GSD**



Requires **Registration** with IN-SPACE

8) Any entity seeking to provide **Value Added Services/Products** shall mandatorily source Primary Data from **IN-SPACE authorised/registered** Data Disseminator.

9) "**Value-Added Product**" shall mean usable products generated from further processing of the geometrically & radiometric corrected raw data received from a RS satellite.

10) **Value-Added Products** shall continue to be **governed by the extant DST guidelines**

Vital points regarding Dissemination of high resolution (<=30cm GSD) data



1. The authorized Data Disseminator
 - ❖ **verify the credentials of the user,**
 - ❖ **maintain a record of data disseminated (whether free or at cost)**
 - ❖ **provide this information periodically** to IN-SPACE.
 - ❖ **ensure that the user shall not further supply, re-disseminate, loan or copy** it to any third party.
 - ❖ **shall abide by the "DST Guidelines"**
 - ❖ **should source the Primary data only** from the satellite operator or through its authorized dealer declared while applying to IN-SPACE.

Vital points regarding Dissemination of >30cm GSD data



The Registered Data Disseminator should

- ❖ maintain a **record of data disseminated (only commercial transactions)**
- ❖ provide this information **periodically** to IN-SPACE.
- ❖ shall abide by the “**DST Guidelines**”
- ❖ should **source the Primary data only** from the satellite operator or through its authorized dealer declared while applying to IN-SPACE.



“People need to be made conscious of a very simple reality: we have no choice but to share this planet, this small blue sphere floating in the vast reaches of space, with all of our fellow ‘passengers.’”

— [Daisaku Ikeda](#)

Thank You

Dissemination of high resolution ($\leq 30\text{cm}$ GSD) data

Step	Activity
1	Submission of online application by Indian Entity on IDP.
2	Preliminary assessment of application by IN-SPACe.
3	Issue of Authorization/rejection after detailed processing
	Post Authorization
4	<p>The authorized Data Disseminator shall</p> <ul style="list-style-type: none">• verify the credentials of the user,• maintain a record of data disseminated &• provide this information periodically to IN-SPACe.• ensure that the user who has obtained the Primary Data from them shall not further supply, re-disseminate, loan or copy it to any third party.
5	The authorized Data Disseminator shall abide by the “DST Guidelines”

Dissemination of >30cm GSD EO/RS data



Step	Activity
1	Submission of the online application by Indian Entity on IDP.
2	Preliminary assessment of the application by IN-SPACE.
3	Issue of Registration Certificate by IN-SPACE
	Post Authorization
4	The registered Data Disseminator shall <ul style="list-style-type: none">intimate IN-SPACE periodically on all commercial transactions being performed.
5	The registered Data Disseminator shall abide by the "DST Guidelines"