



JAXA and Space Policy and Law

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- **Basic Space Law in 2008**
- **Basic Plan on Space Policy in 2009**
(revised in 2013, 2015, 2020, 2023)
- **The goals of Japan's Space Policy**
 - (1) Ensuring space security
 - (2) Enhancing national resilience, responding to global issues, and realizing innovation
 - (3) Creation of new knowledge and business through space science and exploration
 - (4) Strengthening the comprehensive foundations of Japan's space activities
- **Implementation Plan (revised annually)**

"To establish long-term and concrete public investment plan for next 10 years, looking 20 years into the future."
- **National Space Legislation**
 - Act on Launching of Spacecraft, etc. and Control of Spacecraft (Space Activities Act) in 2016
 - Act on Ensuring Appropriate Handling of Satellite Remote Sensing Data (Remote Sensing Act) in 2016
 - Act on the Promotion of Business Activities for the Exploration and Development of Space Resources (Space Resources Act) in 2021

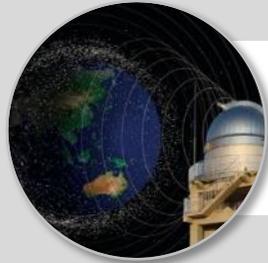


Strategic Headquarters
for National Space Policy
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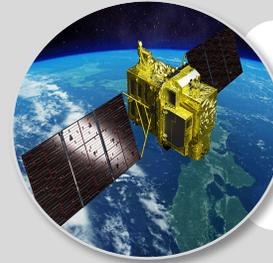
JAXA Medium to Long-Term Plan (JFY 2018-2024)



JAXA: The core implementing agency to support the Japanese government's development and utilization of aerospace with technology

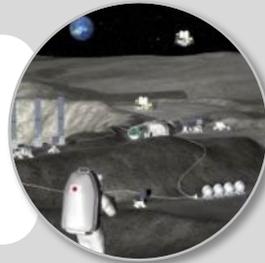


1. Ensuring space security



2. Contributing to disaster management, national resilience, and solving global issues

3. Creation of new knowledge through space science and exploration



4. Realizing economic growth and innovation for which space is the driving force through

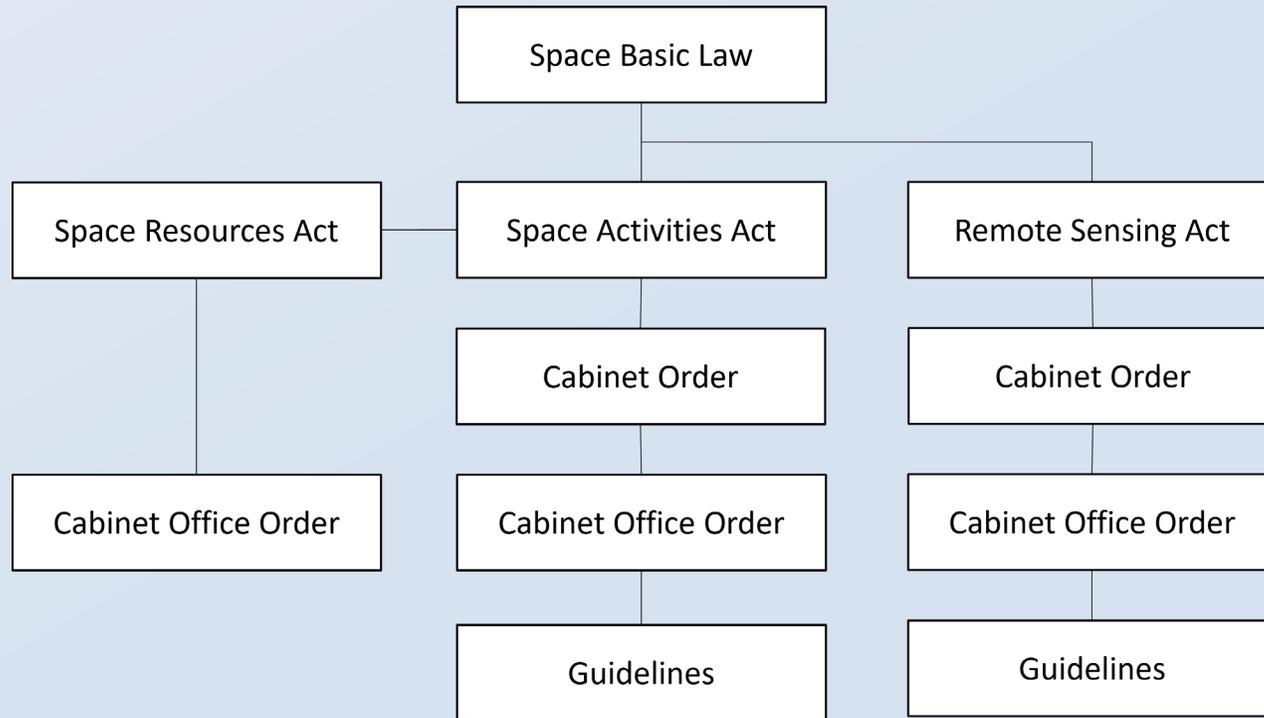


5. Strengthening the comprehensive foundations of Japan's space activities including industrial, scientific and technological bases

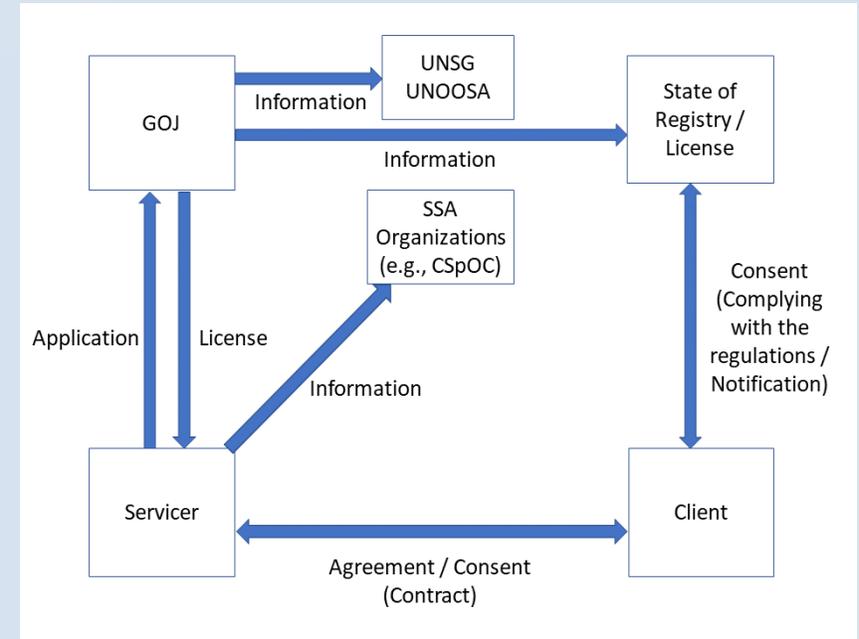


6. Promoting the aviation industry, and strengthen the international competitiveness

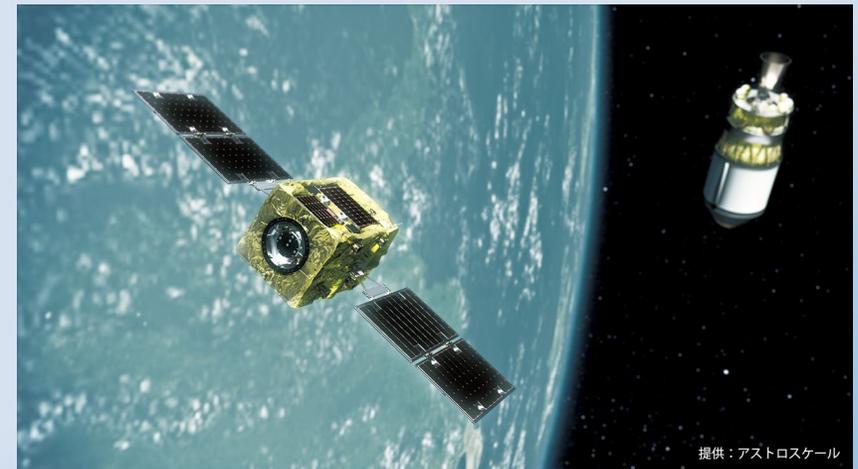
Space Law in Japan



Legal Framework of Space Activities in Japan



Framework of OOS Mission



CRD2 Mission by Astroscale and JAXA

提供：アストロスケール

New Space in Japan



Japanese New Space Companies

On-Orbit Servicing and Space Resource Development

- Astroscale** On-orbit debris removal
- Gitai** Robotics for in-space servicing, assembly and manufacturing
- Avatarin** Robotic avatar for crewed spacecraft and space stations
- Ispace** Lunar transport services and resource surveying
- Meltin MMI** Robotics for in-space servicing, assembly and manufacturing

Satellites

- ArkEdge Space** Small satellites
- Axelspace** Small Earth-observation satellites
- iQPS** Synthetic aperture radar satellites
- Synspective** Synthetic aperture radar satellites

Satellite Subcomponents

- Pale Blue** Water-based spacecraft thrusters
- Genesis** Space telescopes and hyperspectral imagers
- Space Cubics** Space computers

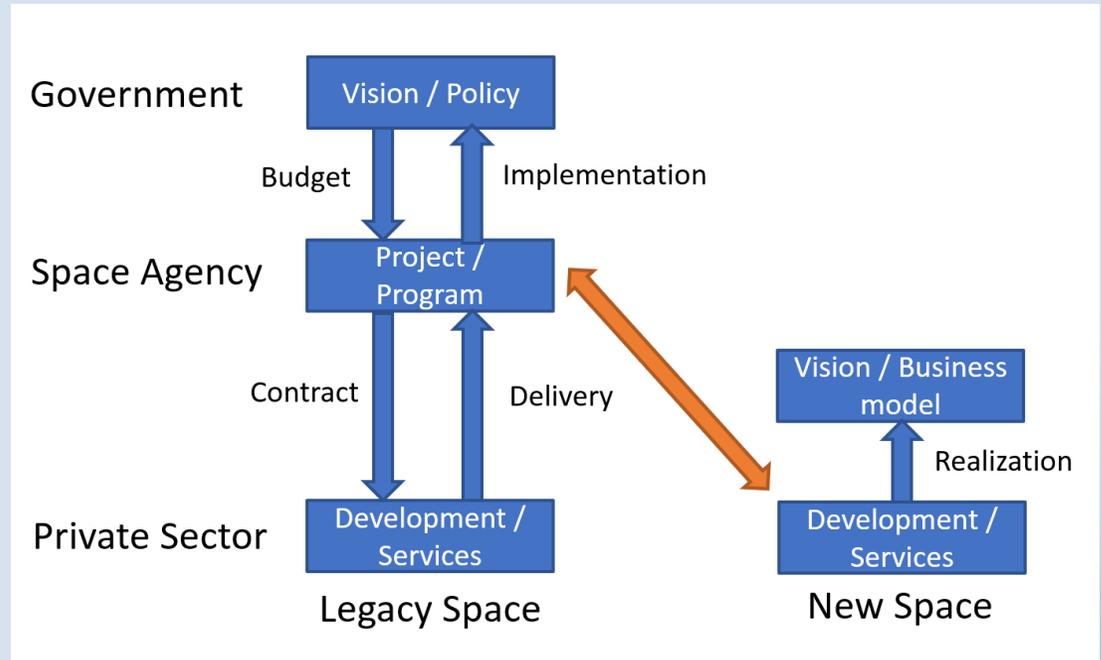
Launch Vehicles

- Interstellar Technologies** Small launch vehicle
- PD Aerospace** Crewed spaceplane
- SpaceBD** Satellite launch and ISS experiment services
- Space One** Small launch vehicle
- Space Walker** Crewed spaceplane

Space IT, Communications Systems and Data

- Infostellar** Ground antennae operator
- Warpspace** Intersatellite optical communication network
- Ridge-i** Artificial intelligence software for analyzing Earth-observation data
- Space Shift** Artificial intelligence software for analyzing Earth-observation data

Image Credits from top: Gitai, iQPS, Pale Blue, Interstellar Technologies, Warpspace

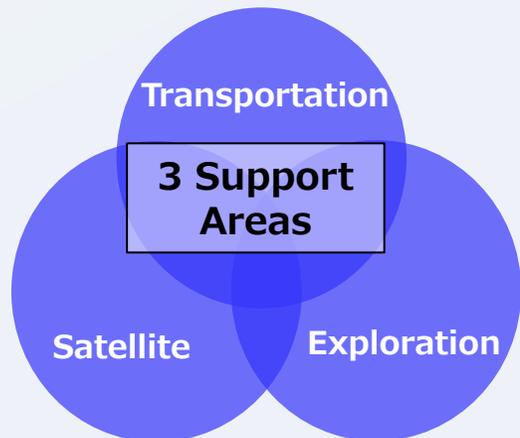


Emerge of New Space

Space Strategy Fund

- The Government of Japan decided to establish the “Space Strategy Fund” in 2023.
- JAXA was assigned to support the R&D of private sector, universities, etc. through grant allocation.
- 300 billion yen (approx. 2.16B USD) (over 10 years) will be allocated to the Fund under the FY2023 Supplementary Budget. (MEXT: 150B JPY (1.08B USD)/ METI: 126B JPY (0.91B USD)/ MIC: 24B JPY (0.17B USD)) *1USD=139JPY

Scheme



The Fund aims to support:

- **Commercialization**
Support R&D for developing space-related market and enhancing competitiveness
- **Solving Social Issues**
Support R&D for social benefit
- **Frontier Technology Development**
Support R&D for innovative future technology

3 Goals

- (1) Double the size of domestic space market (4T JPY=>8T JPY (58B USD) in the early 2030s)
- (2) Contribute to addressing global and social issues by utilizing space
- (3) Deepen the search for knowledge in the universe, and strengthen basic and fundamental technologies



Thank you for your attention!