

**BUSINESS
FINLAND**

Exploring New Horizons: Nordic-Japanese Collaboration in Space

Friday, 17th September 2025, 10:00-17:00

Nordic Pavilion, 3rd Floor, World Expo, Osaka, Japan

Background

- Japan, with an annual space budget of approximately **\$4 billion**, is a global leader in Earth observation, robotics, and deep space exploration.
- JAXA (Japan Aerospace Exploration Agency) spearheads national initiatives, while private companies such as *Astroscale* and *iSpace* drive innovation in orbital debris removal and lunar exploration.
- Japan's *Daichi* (ALOS) satellite series has set benchmarks in Earth observation, contributing valuable data for sustainable development and infrastructure planning.
- Existing collaborations between Nordic countries and Japan demonstrate the potential for impactful partnerships.
- Additionally, Arctic research projects have benefited from Nordic expertise, helping Japan improve satellite performance in extreme conditions.

Expected Outcomes

- i. Strengthened Nordic-Japanese relationships in the space sector.
- ii. New business partnerships formed between Nordic and Japanese companies.
- iii. Increased awareness of Nordic space innovations in the Japanese market.
- iv. Identification of new collaborative research initiatives.

Opportunities in Research & Private Sector Collaboration

- i. Joint Satellite Missions
- ii. Space Weather Monitoring
- iii. Commercial Space Applications
- iv. Human Spaceflight and Exploration
- v. Space and Defense

Proposed Key Participants and Partners

- JAXA (Japan Aerospace Exploration Agency)
- METI (Ministry of Economy, Trade and Industry)
- Cabinet Office of Japan's Space Policy Committee
- **Mitsubishi Heavy Industries:** Specializes in rocket systems and space transportation, including Japan's flagship H-IIA and H3 rockets.
- **Astroscale:** A pioneer in orbital debris removal technology, focusing on sustainability in space operations.
- **iSpace:** Advances lunar exploration, including commercial moon landings and resource utilization.

Proposed Key Participants and Partners

- **Synspective:** Develops synthetic aperture radar (SAR) satellites for disaster management and infrastructure monitoring.
- **Sony Space Communications:** Innovates in laser-based optical communication systems for satellites.
- **Raketa:** A startup specializing in small satellite design and data services tailored to Earth observation.
- **Space BD:** Facilitates satellite deployment services and space utilization initiatives, acting as a commercial bridge for global space stakeholders.
- **Nippon Electric Company (NEC):** Designs and manufactures satellite systems, including components for Earth observation and telecommunications.
- **Hitachi:** Provides data analytics and AI-driven solutions for space-based infrastructure monitoring.

Costs Altogether for Finnish Participants

- Promote to companies: April, early May
 - Deadline for confirmed participation from companies: **end-May**
 - Expected cost (external services **per country**): **3 kEUR in total, i.e. if 3 participants then cost would be 1 keur/organization.**
 - Business Finland would be responsible for checking interest with Finnish companies and agencies.
- If interested please contact ASAP: Pekka.Rantala@businessfinland.fi

**BUSINESS
FINLAND**

Visual Takeaways

Osaka World EXPO

EXPO 2025
OSAKA VENUE:

YUMESHIMA,
OSAKA CITY

NORDIC
PAVILION



















