"Empowering Development"
JICA’s Space Cooperation with Emerging Nations

Office for Science, Technology and Innovation, and Digital Transformation
Governance and Peacebuilding Department
Head of space team
Tomohiro Ogawa
Leading the World with Trust

JICA, with its partners, will take the lead in forging bonds of trust across the world, aspiring for a free, peaceful and prosperous world where people can hope for a better future and explore their diverse potentials.
JICA Mission

Human Security
Fostering societies where all the people can protect themselves from various threats and lead their lives in security and with dignity

- Societies where all can live healthy, safe lives
- Peaceful, just societies without fear and violence

Quality Growth
Promoting sustainable growth with less disparity and without harming the environment

- Prosperous, sustainable economies at harmony with nature
- Care for the Planet
JICA Global Network and Operation

1,784 bil JPY
Operations extended globally in 2019, including ODA loans, PSIF, Technical Cooperation, and Grant *

1,500 + PROJECTS
ODA and JICA-related projects that are under implementation globally

13,217 People
Training participants and students from developing countries welcomed in Japan

9,163 People
Experts and JICA volunteers newly dispatched to developing countries from Japan

150 Countries & regions in operation

96 Overseas offices

14 Domestic offices

* Approximately 16.5 billion USD with the exchange rate as of March 2020
JICA’s policy on Space development (2019~2024)

1. **Utilization of Space Technologies** for socio-economic development

2. **Human Resource Development** in the field of space technology and space policy

3. **Development of Space-related Infrastructure**
JICA history in space-related activities

2014 - 2019 - 2023

JAXA-JICA collaboration

2000s~
Satellite data utilization in JICA projects

Scholarship program for space related sector

Technical cooperation for space agencies

2014 - 2023

2014 - Scholarship program
2019 - JAXA-JICA collaboration
2023 - Technical cooperation
JICA history in space-related activities

2014

2019

2023

JAXA-JICA collaboration

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**Satellite data utilization in JICA projects (2000s~)**

**JICA is user of satellite images in each sector domains.**
- Does not develop space-related technologies but use them to achieve the SDGs in developing countries.
- Contributes to various socio-economic activities, including forest and natural environment conservation, disaster prevention, urban development, and promotion of agriculture, forestry, and fisheries.

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Project for improving control of illegal deforestation through advanced SAR and AI technologies in the Brazilian Amazon (2021-2026)

Making digital Agriculture map in Himachal Pradesh Crop Diversification Promotion Project (2021)
JICA history in space-related activities

2014
2019
2023

JAXA-JICA collaboration

2000s~ Satellite data utilization in JICA projects

Scholarship program for space related sector

Technical cooperation for space agencies
JAXA-JICA collaboration (2014~)

In April 2014, JAXA and JICA signed a basic agreement on the promotion of collaborative cooperation with the aim of contributing to solving diverse development issues and global challenges faced by developing regions.
JICA history in space-related activities

2014
2019
2023

JAXA-JICA collaboration

2000s~
Satellite data utilization in JICA projects

Scholarship program for space related sector

Technical cooperation for space agencies
### JICA-JAXA Network for Utilization of Space Technology (JJNeST) (2019~)

<table>
<thead>
<tr>
<th>Objective</th>
<th>To contribute to SDGs through sustainable network of individuals and institutions of Space Organization, University and Private Company in target countries and Japan (JICA and JAXA).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partner Countries</td>
<td>All target countries</td>
</tr>
<tr>
<td>Programs</td>
<td></td>
</tr>
<tr>
<td>(1) Annual Meeting (to be held in APRSAF)</td>
<td></td>
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<tr>
<td>(2) Short-term Training Programs of JICA (2 weeks in Japan, 10 staffs)</td>
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</tr>
<tr>
<td>(3) Scholarship Program (master, doctor) (15 staffs every year)</td>
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</tr>
<tr>
<td>(4) Other Programs</td>
<td>① JICA Alumni (Networking of Participants of (2) and (3))</td>
</tr>
<tr>
<td>② Space Technology Seminar (provisional)</td>
<td></td>
</tr>
</tbody>
</table>
JICA history in space-related activities

2014
2019
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JAXA-JICA collaboration

2000s~
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Technical cooperation for space agencies
Technical cooperation for space agencies (2023~)

Rwanda

① Satellite development capability in space agencies is strengthened

② Satellite data utilization is promoted by space agencies

Paraguay
Prospects in JICA space sector cooperation

2023

2024

2025

JAXA-JICA collaboration

Technical cooperation for space agencies

Comprehensive cooperation in Paraguay

Expand scholarship program

TICAD9

Tokyo International Conference on African Development
Thank you for your attention.

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