

# TEMPLATE A

## RESPONSE FOR SOLUTIONS: “Space2030” Agenda Mid-term Review

### For Member States

NOTE BY SECRETARIAT: the following template is designed to allow Member States of the United Nations and permanent observer organizations with COPUOS to provide standardized responses to any of the 4 Overarching Objectives, and showcase their space solutions

#### Overarching objective 1: Enhance space-derived economic benefits and strengthen the role of the space sector as a major driver of sustainable development

Overarching objective [1]	Actions [1.4. 1.6. 1.8]
Country/Observer Organization	Japan
Project partners	CAO(Cabinet Office), MEXT(Ministry of Education, Culture, Sports, Science and Technology), METI(Ministry of Economy, Trade and Industry), MIC(Ministry of Internal Affairs and Communications), and JAXA (Japan Aerospace eXploration Agency)
Short Project summary and goals	The Space Strategy Fund (SSF) was established to advance Japan's space development through public-private partnerships and is managed by the Japan Aerospace Exploration Agency (JAXA). The SSF has three primary goals: "Expanding the space market" "Solving global and social issues" and "pioneering frontier". It supports startups, private companies, and universities in driving technological innovation in three key areas: space transportation, satellites, and exploration.
Relevant SDGs	9 (Industry, Innovation, and Infrastructure)
Space/Satellite solution:	<ul style="list-style-type: none"><li>• Provide financial and technical support to startups and private companies for developing innovative space technologies.</li><li>• Facilitate the commercialization of space technologies to expand the space market.</li></ul>
Project impact	<ul style="list-style-type: none"><li>• Diversification and growth of the space industry</li><li>• Economic development</li><li>• Job creation</li><li>• Promotion of technological innovation</li></ul>
Reference	<a href="https://fund.jaxa.jp/content/uploads/Overview_of_The_SpaceStrategy_Fund.pdf">https://fund.jaxa.jp/content/uploads/Overview_of_The_SpaceStrategy_Fund.pdf</a>

**Overarching objective 2: Harness the potential of space to solve everyday challenges and leverage space-related innovation to improve the quality of life**

<b>Overarching objective [2]</b>	Actions [2.3. 2.5.]
<b>Country/Observer Organization</b>	Japan
<b>Project partners</b>	CAO, MEXT, MOE(Ministry of the Environment), JAXA, international organisations, and space agencies disaster management organisations in the Asia-Pacific region
<b>Short Project summary and goals</b>	<ul style="list-style-type: none"> <li>• Environmental Monitoring: Using earth observation satellites, environmental data related to forests, oceans, the atmosphere, and other natural resources is monitored and analyzed.</li> <li>• Disaster Risk Assessment: Satellite data is utilized to assess disaster risk and provide support for disaster response and recovery. Through monitoring natural disasters such as earthquakes, tsunamis, and typhoons, the project aims to strengthen disaster preparedness and resilience.</li> </ul>
<b>Relevant SDGs</b>	11 (Sustainable Cities and Communities), 13 (Climate Action), 14 (Life Below Water), 15 (Life on Land)
<b>Space/Satellite solution:</b>	Utilizing satellite data for environmental monitoring, climate observation, and disaster risk assessment. The satellites provide real-time information on environmental changes and disaster events, enabling timely and effective responses.
<b>Project impact</b>	<ul style="list-style-type: none"> <li>• Strengthening climate change measures</li> <li>• Improving sustainable resource management</li> <li>• Improving disaster response efficiency</li> <li>• Reducing the impact of natural disasters</li> </ul>
<b>Reference</b>	<a href="https://earth.jaxa.jp/en/eo-knowledge/eosatellite-type/index.html">https://earth.jaxa.jp/en/eo-knowledge/eosatellite-type/index.html</a> <a href="https://sentinel-asia.org/">https://sentinel-asia.org/</a>

**Overarching objective 3: Improve access to space for all and ensure that all countries can benefit socioeconomically from space science and technology applications and space-based data, information and products, thereby supporting the achievement of the Sustainable Development Goals**

<b>Overarching objective [3]</b>	Actions [3.1. 3.4.]
<b>Country/Observer Organization</b>	Japan
<b>Project partners</b>	MEXT, JAXA, UNOOSA, and Kyutech(Kyushu Institute of Technology)
<b>Short Project summary and goals</b>	Enhance capacity-building and training in space science for non-space faring countries through programs like KiboCUBE and student acceptance programs with Kyushu Institute of Technology.
<b>Relevant SDGs</b>	4 (Quality Education), 10 (Reduced Inequalities)
<b>Space/Satellite solution:</b>	<ul style="list-style-type: none"> <li>•The KiboCUBE initiative provides opportunities for non-space faring countries to deploy CubeSats from the International Space Station.</li> <li>•Kyushu Institute of Technology hosts international students, providing hands-on training in satellite technology and space engineering.</li> </ul>
<b>Project impact</b>	<ul style="list-style-type: none"> <li>•Enhanced skills and knowledge in space science and technology among students from non-space faring countries.</li> <li>•Successful deployment of CubeSats through KiboCUBE program, contributing to the space capabilities of participating nations.</li> </ul>
<b>Reference</b>	<a href="https://www.unoosa.org/oosa/en/ourwork/access2space4all/KiboCUBE/KiboCUBE_Index.html">https://www.unoosa.org/oosa/en/ourwork/access2space4all/KiboCUBE/KiboCUBE_Index.html</a> <a href="https://www.kyutech.ac.jp/english/">https://www.kyutech.ac.jp/english/</a>

**Overarching objective 4: Build partnerships and strengthen international cooperation in the peaceful uses of outer space and in the global governance of outer space activities**

<b>Overarching objective [1-4]</b>	Actions [4.3. 4.5]
<b>Country/Observer Organization</b>	Japan
<b>Project partners</b>	MOFA(Ministry of Foreign Affairs), UNOOSA
<b>Short Project summary and goals</b>	Strengthen international cooperation by supporting emerging spacefaring nations in developing their space law and policies through the “Space Law for New Space Actors project”. This project aims to provide legal and technical assistance to policymakers and legislators to help them establish robust frameworks for their space activities.
<b>Relevant SDGs</b>	10 (Reduced Inequalities), 17 (Partnerships for the Goals)

<b>Space/Satellite solution:</b>	Workshops, training sessions, and advisory services on space law and policy for emerging spacefaring nations. Collaboration with international organizations and space agencies to share best practices and provide capacity-building support.
<b>Project impact</b>	<ul style="list-style-type: none"> <li>• Strengthening international cooperation in the peaceful uses of outer space.</li> <li>• Improving understanding and Promoting implementation of space law and policies in emerging spacefaring nations.</li> <li>• Contributing to the long-term sustainability and safety of outer space operations.</li> </ul>
<b>Reference</b>	<ul style="list-style-type: none"> <li>• <u>“Space Law for New Space Actors Project”</u></li> </ul> <p>Latest missions sponsored by Japan:</p> <ul style="list-style-type: none"> <li>• <u>Technical Advisory Mission to Thailand (January, 2025)</u></li> <li>• <u>Technical Advisory Mission to the Philippines (November, 2024)</u></li> <li>• <u>Technical Advisory Mission for Asia and the Pacific Countries (January, 2024)</u></li> </ul>