(Japan – Africa Space Business Network (JASBN)

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## Chapeau

The General Assembly, in its resolution 73/6 of 26 October 2018, noted with appreciation that the preparatory process and the high-level segment of UNISPACE+50 which had resulted in "Space2030" Agenda provided a comprehensive, inclusive and strategically oriented vision on strengthening international cooperation in the exploration and peaceful uses of outer space, in which space was seen as a major driver of and contributor to the achievement of the Sustainable Development Goals for the benefit of all countries.

Since then, thanks to the effort of United Nations Office for Outer Space Affairs (UNOOSA), emerging space startups in Japan and Africa have benefited from its "Access to Space for All" Initiatives increasing the number of space startups activities in Japan (above 85 as recorded in 2023) and Africa ( above 70 as recorded in 2023). The establishment of Japan Africa Space Business Network (JASBN) seeks to promote space startup activities in Japan and Africa. (https: //www.jasbn.com) to strengthen the existing relation between Japan and Africa to utilize space product and services for mutual benefits.

I was honored to be invited by UNOOSA to participate in the World Space Forum 2023 which provides an opportunity to draw attention to space solutions that will effectively support the areas mentioned in the various Policy Briefs leading to the Summit of the Future. In addition, it will provide a set of practical recommendations to maximize the opportunities space solutions offer as input for the Summit of the Future 2024 and the Pact of the Future.

The UNOOSA "Space Bridge" was launched after the World Space Forum 2023 to enhance our capacity-building activities to ensure that space solutions can be scaled where needed to drive transformational change, build resilience, and enhance global sustainability.

JASBN seeks to put forward actionable strategies that address the "how" of integrating space products and services to the five chapters outlined in the Pact for the future.

## Chapter I. Sustainable development and financing for development

These concise, concrete, and action-oriented recommendations are designed to target key areas of sustainable development and financing for development, with the goal of contributing to a more sustainable and equitable future using space products and services.

1. **Investment in Renewable Energy**: Encourage investment in renewable energy sources such as solar, wind, and hydroelectric power. This can be achieved through incentives, subsidies, and favorable policies for renewable energy projects.

2. **Promotion of Green Infrastructure**: Focus on developing and promoting green infrastructure projects such as sustainable transportation, energy-efficient buildings, and eco-friendly urban planning.

3. **Support for Sustainable Agriculture**: Provide support for sustainable agricultural practices, including organic farming, agroforestry, and the use of environmentally friendly farming techniques.

4. **Education and Awareness:** Promote education and awareness programs on sustainable development and environmental conservation. This can include public awareness campaigns, environmental education in schools, and community outreach programs.

5. **Inclusive Economic Growth:** Foster inclusive economic growth that benefits all segments of society, including marginalized communities and vulnerable populations. This can be achieved through targeted policies and programs that address social inequalities.

6. **Public-Private-Partnerships(PPP):** Encourage public-private partnerships to fund sustainable development projects. This can involve collaboration between governments, businesses, and non-profit organizations to finance and implement sustainable initiatives.

7. **Climate Resilience and Adaptation**: Invest in climate resilience and adaptation measures to address the impacts of climate change. This includes infrastructure improvements, disaster risk reduction, and the development of early warning systems.

8. **Access to Financing for Developing Countries:** Ensure that developing countries have access to financing for sustainable development projects. This can involve debt relief, concessional financing, and capacity-building support for project implementation.

9. **Promotion of Sustainable Tourism:** Support the development of sustainable tourism initiatives that prioritize environmental conservation, cultural preservation, and community engagement.

10. **Monitoring and Evaluation:** Establish robust monitoring and evaluation mechanisms to track progress towards sustainable development goals and assess the impact of financing for development initiatives.

## Chapter II. International peace and security

International peace and security are essential for global stability and prosperity. These concise, concrete, and action-oriented recommendations are designed to target key areas to consider.

1. **Conflict Prevention**: Prioritize diplomatic efforts, mediation, and early warning systems to prevent conflicts from escalating and promote peaceful resolution of disputes.

2. **Peacekeeping and Peacebuilding**: Support peacekeeping missions and peacebuilding efforts to maintain stability in conflict-affected regions, facilitate humanitarian assistance, and promote reconciliation and reconstruction.

3. **Arms Control and Non-Proliferation**: Advocate for arms control agreements, non-proliferation treaties, and disarmament initiatives to reduce the proliferation of nuclear, chemical, and conventional weapons.

4. **Humanitarian Assistance**: Provide humanitarian aid and support to populations affected by armed conflicts, natural disasters, and humanitarian crises, ensuring access to essential services, food, water, and healthcare.

5. **Rule of Law**: Uphold the principles of the rule of law, human rights, and international humanitarian law to protect civilians, prevent atrocities, and hold perpetrators of war crimes and human rights violations accountable.

6. **Counterterrorism**: Strengthen international cooperation to combat terrorism, disrupt terrorist financing, address violent extremism, and prevent the spread of radical ideologies.

7. **Women, Peace, and Security**: Promote the meaningful participation of women in peace processes, conflict resolution, and security sector reform, recognizing the vital role of women in building sustainable peace.

8. **Disarmament and Arms Reduction**: Pursue efforts to reduce the proliferation of small arms and light weapons, as well as promote disarmament initiatives to create a safer and more secure world.

9. **Cybersecurity and Information Security**: Address cybersecurity threats, protect critical infrastructure, and strengthen international cooperation to combat cyber attacks and safeguard digital systems.

10. **Regional Cooperation**: Foster regional cooperation mechanisms and security partnerships to address shared security challenges, promote dialogue, and build trust among neighboring states.

11. **United Nations and Multilateralism**: Strengthen the role of the United Nations and multilateral institutions in promoting collective security, conflict resolution, peacekeeping operations, and international law enforcement.

12. **Conflict Resolution Mechanisms**: Support the development of effective conflict resolution mechanisms, including truth and reconciliation processes, transitional justice initiatives, and post-conflict reconstruction.

## Chapter III. Science, technology and innovation and digital cooperation

*(Add your organization's concise, concrete, and action-oriented recommendations for Chapter 3)*

Access to space for Initiatives is a typical example to access address Space Science, technology, and innovation and digital cooperation. Here are some valuable points to consider in these areas:

1. **Research and Development:** Encourage investment in scientific research and development across various disciplines, including healthcare, energy, climate science, and emerging technologies.

2. **Access to Technology:** Promote equitable access to technology and digital infrastructure, ensuring that all communities, including rural and underserved areas, have access to reliable internet connectivity and digital resources.

3. **Innovation Ecosystems**: Foster innovation ecosystems that support entrepreneurship, startup incubation, and collaboration between academia, industry, and government to drive technological advancements and economic growth.

4. **Data Governance**: Establish transparent and ethical frameworks for data governance, privacy protection, and responsible data use to build trust in digital technologies and ensure the protection of individuals' data rights.

5. **Digital Inclusion**: Bridge the digital divide by providing digital literacy programs, skills training, and access to affordable digital devices to empower individuals from all backgrounds to participate in the digital economy.

6. **Cybersecurity**: Strengthen cybersecurity measures and international cooperation to address cyber threats, protect critical infrastructure, and safeguard digital systems from malicious activities.

7. **Open Science and Collaboration**: Promote open science practices, collaborative research networks, and the sharing of scientific knowledge and data to accelerate innovation and address global challenges.

8. **Sustainable Technology**: Encourage the development and adoption of sustainable technologies that promote environmental conservation, renewable energy, circular economy principles, and resource efficiency.

9. **Digital Health**: Harness digital technologies to advance healthcare delivery, telemedicine, health data analytics, and personalized medicine, improving access to quality healthcare services worldwide.

10. **Ethical AI and Automation**: Advocate for the responsible development and ethical use of artificial intelligence (AI) and automation technologies, addressing potential biases, ethical considerations, and societal impacts.

11. **International Cooperation**: Foster international cooperation on digital governance, standardization of digital technologies, and the harmonization of regulatory frameworks to facilitate global digital trade and cooperation.

12. **Digital Diplomacy:** Utilize digital platforms for diplomatic engagement, public diplomacy efforts, and international collaboration on global challenges such as climate change, public health crises, and sustainable development.

## Chapter IV. Youth and future generations

The youth and future generations play a significant role in shaping the world and driving positive change. When it comes to empowering and supporting youth and future generations, investing in their well-being, education, and opportunities are essential for building a sustainable and prosperous future for all.

1. **Education and Skills Development**: Prioritize access to quality education, vocational training, and skills development programs to equip young people with the knowledge and capabilities needed to thrive in a rapidly changing world.

2. **Youth Empowerment**: Create opportunities for youth leadership, civic engagement, and participation in decision-making processes at local, national, and international levels. Empower young people to be active agents of change in their communities.

3. **Mental Health and Well-Being**: Address the mental health challenges faced by young people and provide access to mental health services, support networks, and resources to promote emotional well-being.

4. **Employment and Economic Opportunities**: Foster an environment that promotes youth employment, entrepreneurship, and economic opportunities, including access to mentorship, startup funding, and support for small businesses.

5. **Environmental Stewardship**: Engage youth in environmental conservation efforts, climate action, and sustainable development initiatives, recognizing their role as stewards of the planet's future.

7. **Social Inclusion and Diversity**: Promote social inclusion, diversity, and equality, creating an environment where young people from all backgrounds feel valued, respected, and represented.

8. **Digital Literacy and Technology Access**: Provide access to digital literacy programs, technology resources, and internet connectivity to bridge the digital divide and empower youth with digital skills.

9. **Peacebuilding and Conflict Resolution**: Engage young people in peacebuilding efforts, conflict resolution initiatives, and the prevention of violence through education, dialogue, and community engagement.

10. **Mentorship and Role Models**: Facilitate mentorship programs and provide positive role models for young people, offering guidance, inspiration, and support as they navigate their personal and professional development.

11. **Civic Education and Participation:** Promote civic education and democratic participation among youth, encouraging active engagement in political processes, advocacy, and community service.

## Chapter V. Transforming global governance

Transforming global governance is a complex and multifaceted endeavor that involves reshaping the structures and processes through which international affairs are managed using accurate satellite data services. Here are some valuable points to consider when it comes to transforming global governance:

1. **Inclusivity and Diversity**: Emphasize the importance of inclusivity and diversity in decision-making processes at the global level. This involves ensuring that the voices of marginalized communities, developing countries, and underrepresented groups are heard and considered in international policy discussions.

2. **Multilateral Cooperation**: Strengthen multilateral cooperation and collaborative efforts among nations, international organizations, and non-state actors to address global challenges such as climate change, public health crises, and economic inequality.

3. **Rule of Law and Human Rights**: Uphold the principles of the rule of law and respect for human rights in global governance structures. This includes promoting accountability, transparency, and the protection of fundamental freedoms on a global scale.

4. **Sustainable Development**: Integrate sustainable development goals into the framework of global governance, with a focus on environmental sustainability, social equity, and economic prosperity for all.

5. **Technology and Innovation**: Harness the potential of technology and innovation to improve global governance mechanisms, enhance transparency, and facilitate greater citizen participation in international decision-making processes.

6. **Conflict Resolution and Peacebuilding**: Prioritize conflict resolution, peacebuilding, and the prevention of armed conflicts through diplomatic initiatives, mediation, and peacekeeping efforts.

7. **Global Economic Reform**: Advocate for reforms in global economic governance to address issues such as trade imbalances, debt sustainability, financial stability, and inclusive economic growth.

8. **Ethical Leadership**: Promote ethical leadership and good governance practices at the international level, emphasizing integrity, accountability, and responsible decision-making.

9. **Civil Society Engagement**: Encourage active engagement of civil society organizations, non-governmental organizations (NGOs), and grassroots movements in shaping global governance policies and initiatives.

10. **Education and Awareness**: Foster greater public awareness and education on global governance issues, promoting global citizenship and civic engagement in international affairs.