



APRSAF
ASIA-PACIFIC REGIONAL
SPACE AGENCY FORUM

Progress Report on APRSAF's Initiatives for Enhancing Space Policy and Law Capacity in the Asia-Pacific Region

TATESHITA Yumiko
Advisor to the Director
International Relations and Research Department, JAXA
Coordinator, NSLI

About Asia-Pacific Regional Space Agency Forum (APRSAF)



APRSAF
ASIA-PACIFIC REGIONAL
SPACE AGENCY FORUM

History

Established in 1993, with 27 annual meetings held to date

Organizers

Japan (MEXT, JAXA) and local host country

Objectives

Promotion and expansion of space activities and space applications for socio-economic development in the region

Participants

Space agencies, governmental bodies, international organizations, universities, research institutions, private entities from over 40 countries and regions



APRSAF-26 (2019)@Nagoya, Japan organized by MEXT and JAXA



APRSAF-27 Online (2021) organized by VNSC, MEXT, and JAXA

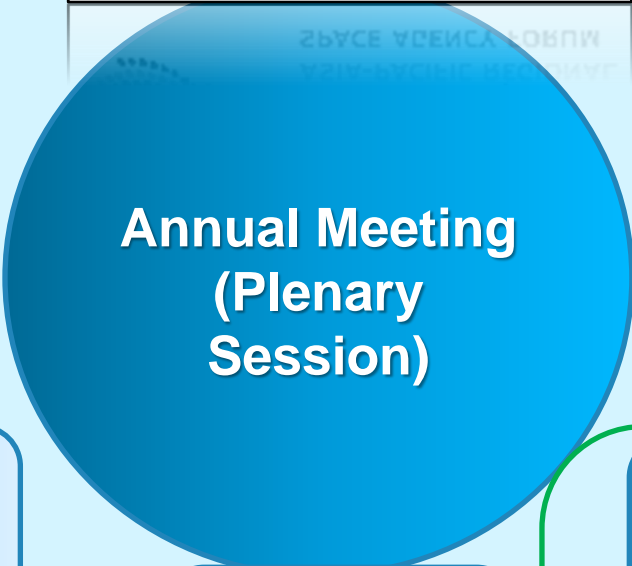
APRSAF Activities



APRSAF
ASIA-PACIFIC REGIONAL
SPACE AGENCY FORUM



ARSAF Executive Committee (ExCOM)



I. Satellite Applications for Societal Benefit (SA) WG



II. Enhancement of Space Capability (SC) WG

Space Industrial Workshop (SI WS)

III. Space Education for All (SE4A) WG

V. Space Policy and Law (SPL) WG



IV. Space Frontier (SF) WG



History of Building Space Policy and Law Community in APRSAF



APRSAF
ASIA-PACIFIC REGIONAL
SPACE AGENCY FORUM



Nov. 2021
APRSAF-27

May 2021
60th Session
of LSC in
UNCOPUOS

Launched
Second Phase of
NSLI

First meeting of
Space Policy
and Law WG

Nov. 2019
APRSAF-26
@Nagoya

Jointly
Submitted an
NSLI Report to
UNCOPUOS

Nov.2017
APRSAF-24
@Bangalore
Commencement of
space policy
community-building
activity

Launched NSLI



NSLI's Goals : Mutual Learning & Capacity Building for establishing National Space Legislations

- Membership:

Open to national governmental organizations in the Asia-Pacific Countries

- Two Objectives:

Promote information sharing and mutual learning on national space legislations & policies in the Asia-Pacific region



Secretariat: 

Enhance capacity to draft and implement national space legislations & policies in the Asia-Pacific countries in accordance with international norms

- Main Task:

Jointly draft a report on the status of national space legislations of NSLI members for the submission to UNCOPUOS LSC



NSLI's work is based on a UNGA Resolution: "Recommendations on National Space Legislation"

Recommendations on National Legislation relevant to the Peaceful Exploration and Use of Outer Space (A/RES/68/74), 2013



Scope of
Space Activities



National
Jurisdiction



Authorization by
National
Authority



Consistency with
international
obligations



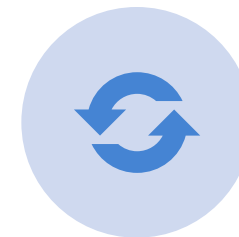
Continuing supervision
and monitoring of
authorized space activities



Registration of
launch objects



Liability of
damage



Transfer of
ownership

Question	AUSTRALIA			BENIN			BURUNDI			CAMBODIA			CHINA			CUBA			MALAYSIA			PHILIPPINES			THAILAND			VIETNAM		
	Government Agency, Legislative, Executive, Judicial, Other	Agencies	Private Entities, etc.	Government Agency, Legislative, Executive, Judicial, Other	Agencies	Private Entities, etc.	Government Agency, Legislative, Executive, Judicial, Other	Agencies	Private Entities, etc.	Government Agency, Legislative, Executive, Judicial, Other	Agencies	Private Entities, etc.	Government Agency, Legislative, Executive, Judicial, Other	Agencies	Private Entities, etc.	Government Agency, Legislative, Executive, Judicial, Other	Agencies	Private Entities, etc.	Government Agency, Legislative, Executive, Judicial, Other	Agencies	Private Entities, etc.	Government Agency, Legislative, Executive, Judicial, Other	Agencies	Private Entities, etc.	Government Agency, Legislative, Executive, Judicial, Other	Agencies	Private Entities, etc.			
1. Has your country ever been involved in any country's (or government agency, legislative, executive, judicial, other) activities?	X			X			X			X			X			X			X			X			X					
2. Does your country have any national space activities?	X			X			X			X			X			X			X			X			X					
3. Does your country have any national space activities (including space exploration, space research, space education, space industry, space law, etc.)?	X			X			X			X			X			X			X			X			X					

Study Group discussions and report writing based on a special questionnaire and "Information Form" completed by NSLI participating organizations

16 questions with sub-questions based on the 8 elements of UN recommendations

4. Does your country have any national space activities (including space exploration, space research, space education, space industry, space law, etc.)?	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No
5. Does your country have any national space activities (including space exploration, space research, space education, space industry, space law, etc.)?	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No
6. Does your country have any national space activities (including space exploration, space research, space education, space industry, space law, etc.)?	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No
7. Does your country have any national space activities (including space exploration, space research, space education, space industry, space law, etc.)?	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No
8. Does your country have any national space activities (including space exploration, space research, space education, space industry, space law, etc.)?	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No
9. Does your country have any national space activities (including space exploration, space research, space education, space industry, space law, etc.)?	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No
10. Does your country have any national space activities (including space exploration, space research, space education, space industry, space law, etc.)?	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No
11. Does your country have any national space activities (including space exploration, space research, space education, space industry, space law, etc.)?	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No
12. Does your country have any national space activities (including space exploration, space research, space education, space industry, space law, etc.)?	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No
13. Does your country have any national space activities (including space exploration, space research, space education, space industry, space law, etc.)?	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No
14. Does your country have any national space activities (including space exploration, space research, space education, space industry, space law, etc.)?	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No
15. Does your country have any national space activities (including space exploration, space research, space education, space industry, space law, etc.)?	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No
16. Does your country have any national space activities (including space exploration, space research, space education, space industry, space law, etc.)?	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No	Yes	No	No

NSLI Activities in COPUOS (1/2)



APRSF

ASIA-PACIFIC REGIONAL
SPACE AGENCY FORUM

Overview of the Report submitted to the 60th Session of LSC (2021)

- ❑ Report was prepared by the NSLI Study Group, consisting of 9 NSLI participating organizations from Asia-Pacific region, covering the following topics:
 - Overview of Space Activities
 - Ratification Status regarding the International Regime
 - National Legal Scheme relating to Space Activities
- ❑ This submission was expected to contribute to the implementation of the United Nations Resolution, A/RES/68/74:
Recommendations on national legislation relevant to the peaceful exploration and use of outer space
- ❑ The first joint contribution from the Asia-Pacific countries to the LSC.

NSLI Co-Chairs:

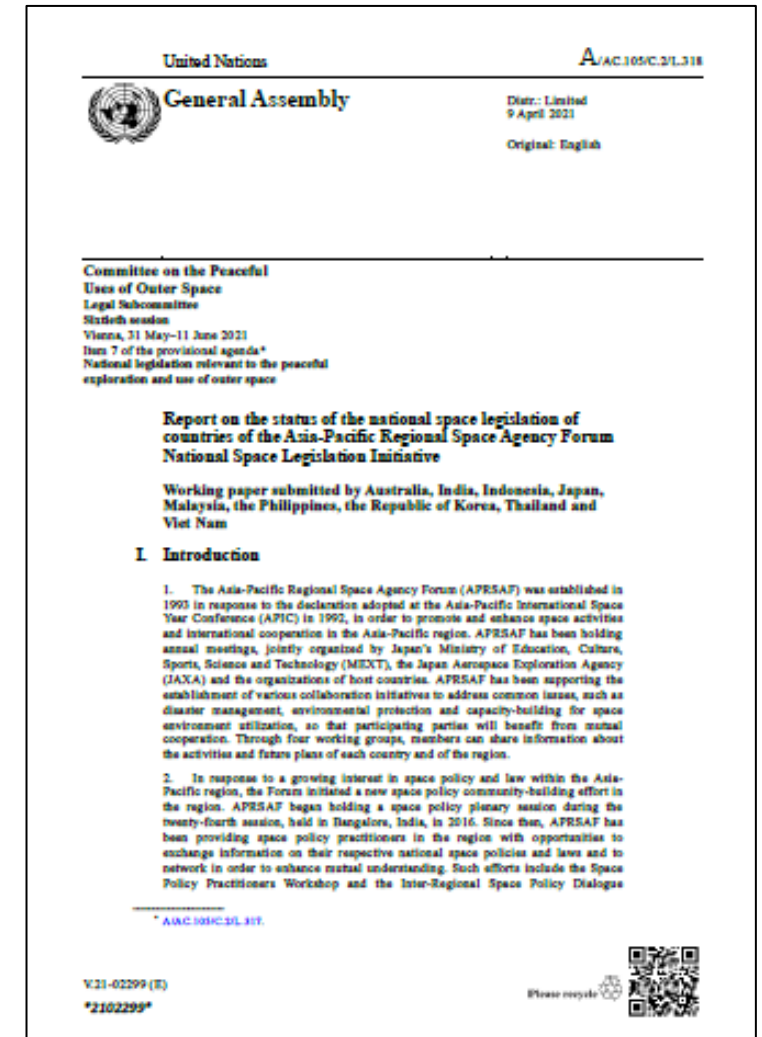
Prof. Setsuko Aoki, Keio University Law School, Japan

Dr. Dao Ngoc Chien, Deputy Director General, Department of High Technology, Vietnam Ministry of Science and Technology (MOST)

NSLI Study Group (9 Countries):

Australia, India, Indonesia, Japan, Malaysia, Philippines, Republic of Korea, Thailand, Viet Nam

(*Member list: A/AC.105/C.2/2021/CRP.7)



NSLI Activities in COPUOS (2/2)

Side Event at the 60th Session of LSC (May 31, 2021)

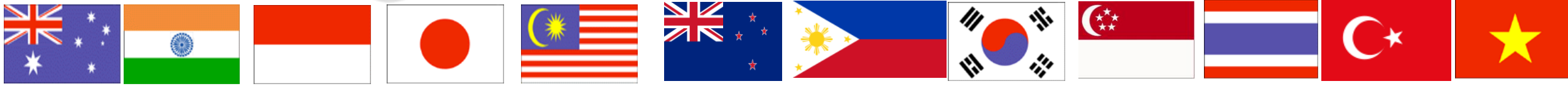
- ◆ “The Role of the National Space Legislation in Advancing the Rule of Law in Outer Space – Efforts and Challenges in the Asia-Pacific Region”
- ◆ Hosted by: Japan, UNOOSA, and APRSAF
- ◆ Supported by: Australia, India, Indonesia, Malaysia, Philippines, Republic of Korea, Thailand, and Viet Nam
- ◆ In a panel discussion, participants shared lessons learned from the NSLI activities and discussed the existing challenges and opportunities regarding national space legislation.



Second Phase of NSLI Activities

- ◆ Launched **the Second Phase of NSLI** at APRSAF27 (2021) with the support of ~~the~~ APRSAF community
- ◆ Welcomed new participating organizations from **New Zealand, Singapore, and Turkey**
- ◆ **The main goal of the NSLI is to prepare and submit another report to COPUOS LSC in 2023.**
- ◆ NSLI's new study covers the following additional topics:
 - National Implementation of LTS Guidelines, and
 - Involvement of Private Entities in National Rule Making

Second Phase of NSLI Study Group: Space Policy and Law Practitioners from **12** Asia-Pacific Countries



□ 2nd phase (2021 November - 2023)

12 Asia-Pacific countries, consisting of approximately **50** members from **20** national governmental organizations: Australia, India, Indonesia, Japan, Malaysia, **New Zealand**, Philippines, Republic of Korea, **Singapore**, Thailand, **Turkey**, Viet Nam

□ Co-chairs(2nd phase):

Prof. Setsuko Aoki,
Professor, Keio University
Law School, Japan

Ms. Yunita Permatasari,
National Research and
Innovation Agency(BRIN),
Indonesia

□ Secretariat:





Activities of APRSAF SPL WG

【History】

- ◆ Building on the experience of NSLI, the **Space Policy and Law Working Group (SPL WG)** was established at APRSAF27(2021) based on a recommendation from the NSLI Study Group.

【Objective and Scope】

- ◆ To enhance the capacity in space policy and law of each country, acknowledging that space technology and space policy and law are inseparable pairs in respect to space related activities.
- ◆ To share information and mutual learning on the practice of policy and law in each country and the policy options toward common regional issues.
- ◆ To discuss global issues as a contribution from the region, such as ensuring the long-term sustainability of space activities and the stable use of outer space.



APRSAF27 SPL WG (2021)

APRSAF 28



APRSAF
ASIA-PACIFIC REGIONAL
SPACE AGENCY FORUM

“Bridging Space Innovations Opportunities for Sustainable and Prosperous Future”

◆ **Organized by**

VNSC (Vietnam National Space Center)

MEXT (Ministry of Education, Culture, Sports, Science and Technology of Japan)

JAXA (Japan Aerospace Exploration Agency)

◆ **Date:** From 15 to 18 November (4 days), 2022

◆ **Place:**

For further updates including registration for APRSAF28, please visit APRSAF web:

<https://www.aprsaf.org/>



Call for Session at **SPL WG** in **APRSAF28**

- ◆ **May-July 2022: Call for session and presentation proposals**
- ◆ **Early August 2022: Selection of proposals**
- ◆ **15 and 16 November: 2nd SPLWG MTG in APRSAF 28**

For open call session information, visit APRSAF SPLWG web:

https://www.aprsaf.org/working_groups/spl/

Conclusion and Way Forward

- ◆ **APRSAF** is the largest space forum in Asia Pacific region and promotes concrete regional/international cooperation on space activities through open and voluntary participation.
- ◆ **NSLI**, the first APRSAF initiative dedicated to space policy and law, is an effective regional model for enhancing capacities in establishing and implementing national space legislation.
- ◆ **APRSAF 28** will be held in Hanoi, Vietnam from 15 to 18 November. **SPL WG's Call for session** is now open.



APRSFAF
ASIA-PACIFIC REGIONAL
SPACE AGENCY FORUM



©JAXA/NASA

Thank you for your attention!!!

