



APRSAF

ASIA-PACIFIC REGIONAL
SPACE AGENCY FORUM

Asia-Pacific Regional Space Agency Forum: 22 years of Development through Regional Collaboration

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1. APRSAF: Profile



■ APRSAF (Asia-Pacific Regional Space Agency Forum)

Regional Cooperation Framework for Space Activities

- ✓ Established in 1993, in response to the 1992 Asia-Pacific International Space Year Conference (APIC)
- ✓ Largest space community in the Asia-Pacific region
- ✓ Contributing to socio-economic benefits in the region

■ Objectives

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

■ Participants

Space agencies, governmental bodies, international organizations, universities, research institutions, private entities

■ Organizers

Japan (MEXT, JAXA) and local host entities

2. Growing Space Activities in the Asia-Pacific Region



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Asia-Pacific Region

- High economic growth rates
- Natural disaster risks, environmental issues
- Increasing interest in space technology

Space Activities in Asia

Earth Observation

- Increasing number of EO satellites
- Wide-range of satellite sizes
- Various applications

SatCom/Navigation

- Expansion of applications, monitoring stations

Space Experiments

Utilization of ISS/Kibo

Space Science Exploration

**Improving
People's Lives**

**Contributing
towards the
Future**

Enhanced regional cooperation is contributing to global agenda

3. APRSAF: Characteristics



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- **Solve regional issues using space technology**
- **Discuss a variety of topics apart from space, such as applications on Earth**
- **Work as an open, flexible framework for cooperation**



“Human network in the Region” enables expansion of more dynamic space activities on a global scale in the future.

APRSAF Structure



4. APRSAF: Initiatives



- Disaster Management Support System
- Space Applications for Environment
- Asian Beneficial Collaboration through Kibo Utilization

5. APRSAF-22: 1-4 Dec 2015 / Bali, Indonesia



- Co-organized and Hosted by:
Ministry of Research, Technology and Higher Education of Indonesia (RISTEK-DIKTI)
National Institute of Aeronautics and Space (LAPAN)
MEXT/JAXA with numerous supporting ministries/organizations
- Main theme: "Sharing Solutions through Synergy in Space"



5. APRSAF-22: Participation



- 478 participants
- Organizations from 28 countries and regions



- 10 international organizations



5. APRSAF-22: Plenary

- Asian Country Report: 13 nations
- International/Regional Organization Report incl. GEO, ESCAP, APSCO



Special Sessions:

- Space and Maritime Applications
- Synergy in Space – Space Technology Contributing to Regional Agenda
- Regional Cooperation on Space Exploration

5. APRSAF-22: Working Groups:

Discussion items and areas of cooperation:



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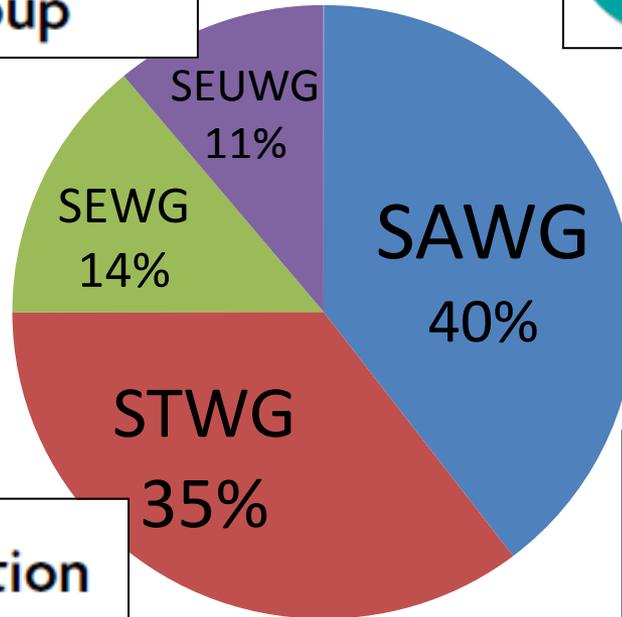
**Space Environment
Utilization
Working Group**

- ISS experiments
- Small satellite deployment
- Kibo-ABC Initiative review
- Plant experiments (AHIS)



**Space Applications
Working Group**

- Agriculture/Maritime/Disaster/Forestry/Atmosphere/Water resource management
- Sentinel Asia review
- SAFE Initiative review
- Multi-GNSS Asia report



**Space Technology
Working Group**

- Small satellites
- Automatic Identification System (AIS) and GNSS
- Engineering management
- Space debris
- Launch environment & orbit experiment demonstration



**Space Education
Working Group**

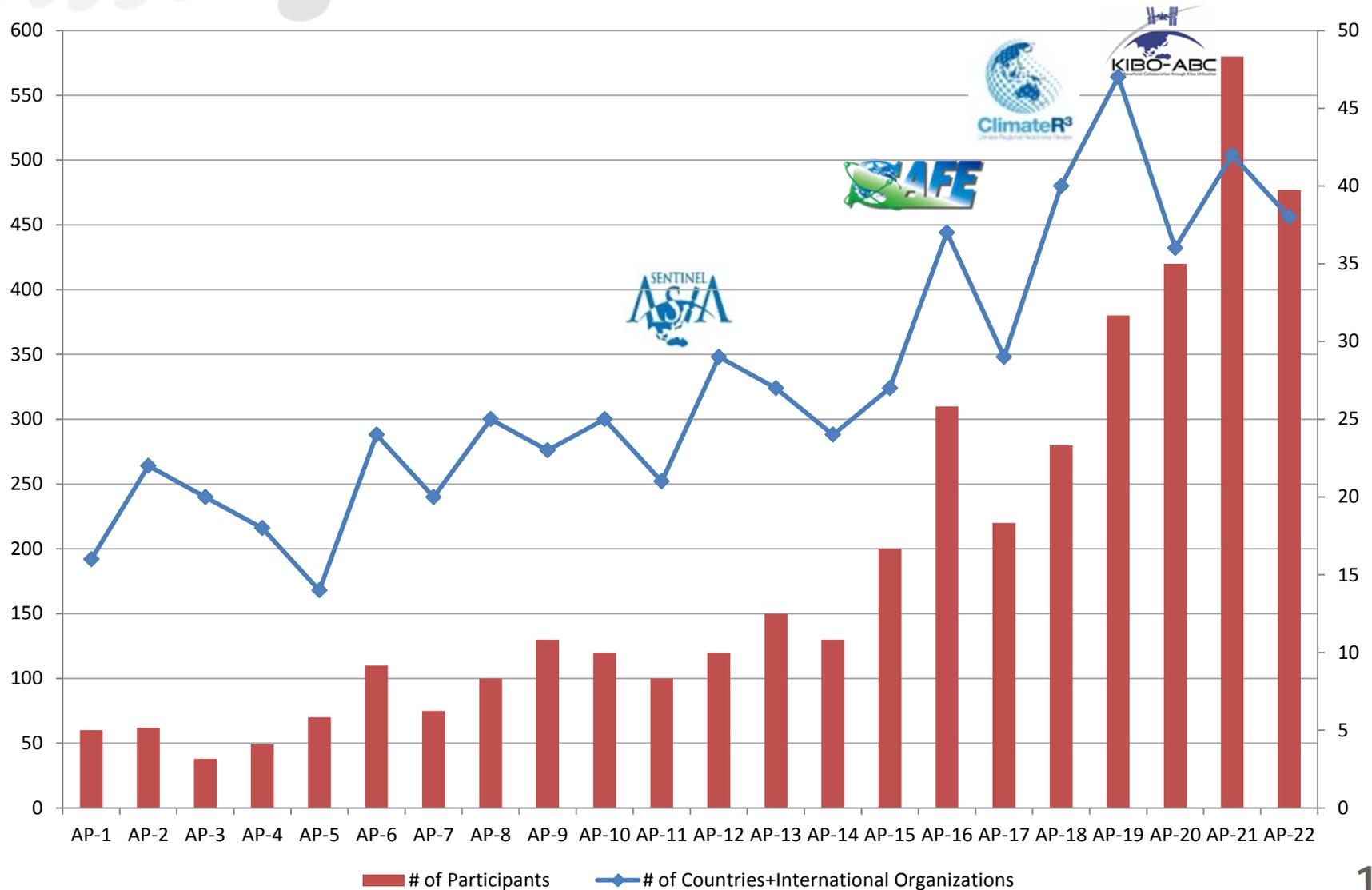
- Water Rocket Event
- Poster Contest
- Educational materials
- Seminar for teachers

5. APRSAF Development

Growing number of participants



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5. APRSAF-22: Summary & Recommendations:



Participants of APRSAF-22 agreed on :

- Further promotion of space technology applications.
- In addition to space agencies strengthen partnerships with user entities, development aid agencies and the private sector.
- Further utilization of unique space environment including ISS/Kibo capabilities.
- Collaboration towards space exploration, and encourage active discussions at the regional level.
- Further promotion of regional cooperation in educational activities.

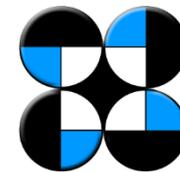
6. APRSAF-23, 2016 Manila

- Dates: 15-18 November, 2016
- Venue: Sofitel Hotel Manila, the Philippines
- Main theme: **“Building a Future through**

Space Science, Technology and Innovation”



Co-Organized by



Department of Science
and Technology,
Philippines





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**We look forward to
seeing you in
Manila!**

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