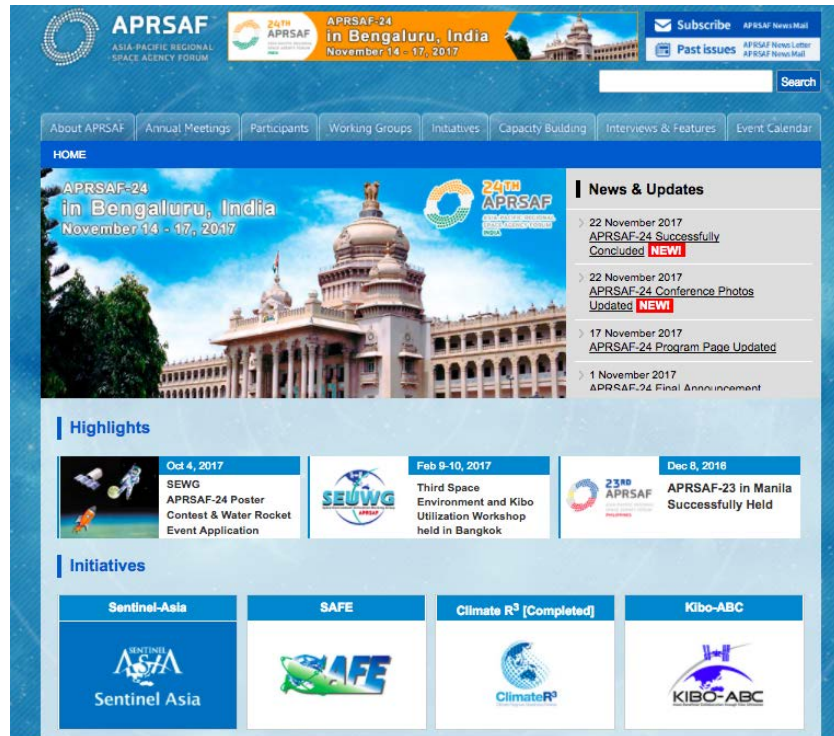


Summary Report on the APRSAF-24 in Bengaluru, India

January 2018
Joint Project Team Meeting
Taipei, Taiwan
Sentinel Asia Secretariat
Japan Aerospace Exploration Agency

Asia-Pacific Regional Space Agency Forum (APRSAF)



Established in 1993 after the Asia-Pacific International Space Year Conference (APIC) in 1992. Enhance the development of space programs in the Asia-Pacific region and promote regional cooperation in the field of space technology and its applications.

[Participation] Space agencies, related governments, regional and international organizations, institutions responsible for applying space technology.

[Organizers] MEXT, JAXA and co-host organizations

Major Results of APRSAF-24 (AP-24)

- ✓ AP-24 was held from 14 to 17 November 2017 in Bengaluru, India.
 - ~Space Technology for Enhanced Governance and Development~
- ✓ 539 participants of 31 countries/region
 - (including 6 heads + 3 deputy heads of space agencies in the region and many high ranking government officials + President of the IAF)
- ✓ Participants shared common issues & interests in the region and expressed their expectation to contribution of APRSAF toward building cooperation framework for struggling to solve social challenges.
- ✓ Growing awareness of SDGs in Asia-Pacific Region
 - (e.g.) Heads of Agency Session was organized under the topic of “Space Technology Inputs for Resolving National Priority Issues toward Achieving Sustainable Development Goals (SDGs)”



Heads of Agency (HOA) Session



VNSC, GISTDA, ROSCOSMOS, ANGASA, ISRO, JAXA, ISA, LAPAN, KARI

Key points recognized and shared during APRSAF-24

(From the Joint statement at the AP-24)

1. *Space technology for enhanced governance and development*
 - ✓ Using space technology for solving **social issues** and effective **decision-making**
 - ✓ **Partnering** with **user ministries** etc. who can take actions for solving social issues
2. *Contribution of space technology to achieving SDGs*
 - ✓ Tackling national / regional issues through **active cooperation** based on expertise acquired through multifarious activities taken in each country
3. *Improvement of regional space capability*
 - ✓ Supporting and enhancing **higher educational programs** and **space technology application workshops** available in our region
 - ✓ Building of scheme to **initiate** discussions for **joint development of innovative** small and cube **satellites** which can provide new solutions to the global and social issues
4. *Importance of high-level meetings*
 - ✓ **Regularly** exchanging views to share common issues and interests in our region
 - ✓ Developing **cooperative opportunities** which will lead to addressing social issues
5. *Advancement of APRSAF activities*
 - ✓ **Expanding** area of **interest** from space technology applications to **space exploration**
 - ✓ Connecting our **regional interests** to **global efforts**

Space Applications Working Group (SAWG)



- Total number of participants : **177** (97+80)
- 6 sessions & 43 presentations from 10 countries + UN-ESCAP

Discussion Items of SAWG

- Host country session on the role of Space Technologies in Governance - Indian Experience
- Agriculture
- Integrated Land & Water Resource Management (flood, drought landuse & forest)
- Information platform – Data Cube
- **APRSAF Initiatives**
 - SAFE
 - **Sentinel-Asia**
- SAWG/SEWG joint session for human resource development
- International cooperation with UN, etc..

Sentinel Asia Session

9:50	~	10:45	0:55	Sentinel Asia session 1	15 minutes presentations x 4
				<ul style="list-style-type: none"> • SENTINEL ASIA SUCCESS STORY IN THE PHILIPPINES 	PHIVOLCS, Philippines via Skype(TBD)
				<ul style="list-style-type: none"> • Disaster management support programme of India 	Dr. JV Thomas, Program Manager, DMS, EOS, India
				<ul style="list-style-type: none"> • Flood management in India 	Dr. K.H.V. Durga Rao, Head, DMSD, NRSC, India
				<ul style="list-style-type: none"> • Introduction of NDMI 	Dr. YoungJin Park, NDMI, Korea
				<ul style="list-style-type: none"> • Discussion 	
10:45	~	11:15	0:30	Coffee Break	
11:15	~	12:45	1:30	Sentinel Asia session 2	15 minutes presentations x 5 + 15 minutes discussion
				<ul style="list-style-type: none"> • Overview of Sentinel Asia 	Dr. Shiro Kawakita, JAXA, Japan
				<ul style="list-style-type: none"> • Trend of Emergency Observation Requests 	Dr. Makoto Ikeda, ADRC, Japan
				<ul style="list-style-type: none"> • Sentinel Asia Strategic Plan 	Dr. Koji Suzuki, NIED, Japan
				<ul style="list-style-type: none"> • Emergency observation Request Support Tool: OPTEMIS 	Mr. Wasanchai Vongsantivanich, GISTDA, Thailand
				<ul style="list-style-type: none"> • Primary Data Analysis Node Activity 	Dr. Manzul, Hazarika, GIC-AIT, Thailand
				<ul style="list-style-type: none"> • Discussion 	

SAWG Summary Report on Sentinel Asia

- Discussion on
 - Success story in Philippines to manage rainfall-driven landslides through the development of prototype GSMaP Application to Landslide Warning system (GLAWS);
 - Approach of Disaster Management Support (DMS) program in India to global disaster management;
 - Progress of NRSC's efforts for flood management. And confirm ISRO's contribution to Sentinel Asia as Data Provider Node (DPN).
- Welcome to
 - Participation of National Disaster Management Institute (NDMI), Korea in Sentinel Asia with confirming NDMI's disaster management activities.
 - Proposal of GISTDA to offer Sentinel Asia to use their Mission Operation Tool "OPTEMIS"

APRSAF-25

The next APRSAF, APRSAF-25, is planned to be held in Singapore in November 2018, and will be co-organized by the Singapore Space Technology Association (SSTA), the Ministry of Education, Culture, Sports, Science and Technology of Japan (MEXT), and JAXA.

