The 21st Session of the Asia-Pacific Regional Space Agency Forum (APRSAF): Dawn of a New Decade

52nd Session of Scientific and Technical Subcommittee

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What is APRSAF?

- **APRSAF (Asia-Pacific Regional Space Agency Forum)**
  - Regional Cooperation Framework for Space Activities
  - Established in 1993
  - Largest space community in the Asia-Pacific region
  - Contributing 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 organizations
New stage of APRSAF

In the past 20 years, APRSAF has created a number of sound results. The new phase of APRSAF focuses on socio-economic outcomes......

To improve the lives of people in the region
APRSAF Structure

**Working Groups**
- Space Applications WG
- Space Technology WG
- Space Environment Utilization WG
- Space Education WG

**Initiatives**
- Disaster Monitoring - Sentinel Asia -
- Environment Monitoring - SAFE (Space Application for Environment) -
- Regional Readiness Review For Key Climate Missions - CR³ -
- Asian Beneficial Collaboration through "Kibo" Utilization - Kibo-ABC -

**Related Activities**
- Water Rocket Event
- Poster Contest
- Exhibition
- Side Events
- University International Formation Mission - UNIFORM -
- Multi-GNSS Asia - MGA -
The 21st Session of the APRSAF (APRSAF–21), Tokyo, Japan

【Theme】
Leap to the Next Stage: Delivering Innovative Ideas and Solutions
Participants of APRSAF-21

- 580 participants (record-high)
- Organizations from 33 countries and regions

Australia, Bangladesh, Brunei Darussalam, Cambodia, Canada, China, France, Germany, India, Indonesia, Israel, Japan, Kazakhstan, R. of Korea, Malaysia, Mongolia, Myanmar, Netherlands, New Zealand, Pakistan, Philippines, Romania, Russian Federation, Singapore, Sri Lanka, Thailand, Turkey, UAE, UK, USA, Vietnam

- 12 international organizations
Working Groups

- Space Applications WG
- Space Technology WG
- Space Education WG
- Space Environment Utilization WG
Plenary Session
Special Session (1) – Societal Needs and Space for Practical Applications –

- Moderated by Dr. Alexander Held, CSIRO (Australia)
- Panelists from JICA (Japan), BWDB (Bangladesh), JAXA (Japan), LAPAN (Indonesia), PHIVOLCS (The Philippines)

- Showcased some ongoing projects in which satellite-based technology are being applied in a synergistic way
  - ex. Movement of the ozone hole, river basin management, deforestation, drought monitoring, volcano monitoring,
- Highlighted the importance of concerted efforts in support of solving national and regional issues
Special Session (2) – Space Exploration “ISS and Beyond–Toward Global Space Exploration” –

- Moderated by Astronaut Soichi Noguchi
- Panelists from Malaysia (ANGKASA) and Thailand (NSTDA)
- Shared the value of human space activities and the future perspective on global space exploration
- Stressed the importance of “passing the torch” to the next generation
Special Session (3)
Asia-Pacific Space Leaders Meeting (AP–SLM) Session–

To foster and promote further space cooperation in the region, leaders from 13 countries released the Joint Statement “Toward the Advancement of Activities in Exploration and Utilization of Outer Space for a Better Future of People on Earth” on 4 topics

- Space Technology Development
- Space Applications
- Space Exploration
- Capacity Building and Education

DOI (Australia), ISRO (India), LAPAN (Indonesia), JAXA (Japan), KAZCOSMOS (Kazakhstan), ANGKASA (Malaysia), ICTPA (Mongolia), SUPARCO (Pakistan), DOST (the Philippines), KARI (Republic of Korea), CRISP (Singapore), EIAST (the United Arab Emirates), VAST/STI (Vietnam)
Special Presentations

- “Summary of the International Space Exploration Forum (ISEF)”
  - Mr. David Turner, U.S. DOS

- “Japan’s Space Exploration Strategy: An Interim Report from MEXT’s ISS-Space Exploration Committee”
  - Dr. Atsushi Sunami, GRIPS (Japan)

ISEF builds on a process started at the EU-hosted high level international space exploration dialogue, and Japan will host the next forum in Tokyo, 2016 or 2017.
Side Events

Industrial Exhibition
Side Events

9th Poster Contest for Children

10th Water Rocket Event for Youth

Technical Tours to JAXA space center
Recommendations of APRSAF–21 (excerpt)

- Welcomed the reorganization of working groups to facilitate outcome-oriented activities
- Re-emphasized the importance of contributing to the solving of social problems with maximum utilization of space technology
- Confirmed the common goal of further dissemination of space technology and its applications
- Welcomed the research and development on the ISS and the promotion of human resource development and capacity building
- Welcomed the discussion of space exploration and encouraged active support for its implementation
- Confirmed the importance of cooperation in rule-making for long-term space activities
- Confirmed the further promotion of the human resource development of our youth as the next generation of leaders
The 22nd Session of the Asia-Pacific Regional Space Agency Forum

to be held in 2015, Bali, Indonesia

Tentative Date : 1-4 December 2015
Tentative Venue : Bali, Indonesia
Co-organizers : State Ministry of Research, Technology and Higher Education (RistekDikti);
National Institute of Aeronautics and Space of Indonesia (LAPAN);
 Ministry of Education, Culture, Sports,
Science and Technology of Japan (MEXT);
Japan Aerospace Exploration Agency (JAXA).
Website : http://aprsaf.org
We look forward to seeing you in Bali!

www.aprsaf.org
Expansion of Kibo Utilization
- Cubesat Deployment from ISS/Kibo-

Brazilian Cubesat (AESP14) to be deployed 5 Feb (today).

Cubesat Deployment System of Kibo

Cubesats of US and Vietnam Deployed in 2013

AESP14 (c) INPE/ITA