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http://www.aprsaf.org

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Welcome Message

To participants of the 17th Session of the Asia-Pacific Regional Space Agency Forum (APRSAF-17)

Dr. Michael Green
General Manager
Innovation and Space Branch
Department of Innovation
Industry Science and Research

The Australian Government, through the Department of Innovation, Industry, Science and Research is pleased to welcome all prospective participants to Melbourne, Australia, for the 17th session of the Asia Pacific Regional Space Agency Forum. The conference will be held during 23-26 November 2010, at the Melbourne Crown Conference Centre. The Crown Conference Centre is Australia’s newest purpose-built hotel convention facility, offering the latest in convention technologies.

The forum is jointly organised and co-sponsored by the Department of Innovation, Industry, Science and Research, the Japan Aerospace Exploration Agency (JAXA), the Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT) and the Strategic Headquarters of Space Policy Government of Japan.

The official theme of APRSAF-17 “The role of space technology and industry addressing climate change” has been selected for the purpose of promoting and strengthening the applications of space technology to assist in addressing climate change issues across the Asia Pacific Region. Following on from previous APRSAF sessions, the 17th session will comprise of both working groups and plenary sessions held over the four days of the forum. The APRSAF-17 working groups include: Earth Observation (EO), Space Environment Utilization (SEU), Communication Satellite Applications (CSA), and Space Education and Awareness (SEA).

After the successful development of the 1st Global Navigational Satellite System – GNSS Workshop, I am also pleased to announce that the 2nd GNSS Workshop will be held in conjunction with APRSAF-17. The 2nd GNSS Workshop will also be held at the Crown Conference Centre and will be held on the 22 November 2010. The Department of Innovation, Industry, Science and Research have collaborated closely with JAXA, MEXT and other associated organisations to ensure the successful preparation of this international event.

Again, on behalf of the Australian Government, it’s my honour to welcome all participants to Melbourne for APRSAF-17. Australia looks forward to hosting this forum, as we enhance the space activities and opportunities of the Asia Pacific Region.
Co-organizers:

Department of Innovation, Industry, Science and Research (DIISR) of Australia
Ministry of Education, Culture, Sports, Science and Technology (MEXT) of Japan
Japan Aerospace Exploration Agency (JAXA)

Welcome Message

To the participants to the 17th session of the Asia-Pacific Regional Space Agency Forum (APRSAF-17)

Dr. Tetsuhiko Ikekami
Chairman
Space Activities Commission (SAC) Ministry of Education, Culture, Sports, Science and Technology (MEXT)

It is my great honor to serve as General Co-Chairperson of the 17th session of the Asia-Pacific Regional Space Agency Forum (APRSAF-17) with Dr. M. Green and to announce to you that the APRSAF-17 will be held from 23 to 26 November 2010 in Melbourne, Australia.

This Forum will jointly be organized and co-sponsored by the Department of Innovation, Industry, Science and Research (DIISR), Australian Government, the Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT), and Japan Aerospace Exploration Agency (JAXA). The APRSAF was established in 1993 in response to the declaration adopted by the Asia-Pacific International Space Year Conference (APIC) in 1992, to enhance the development of each country’s space program and to exchange views toward future cooperation in space activities in the Asia-Pacific region. The APRSAF has held sixteen annual meetings organized jointly by the MEXT, JAXA, and co-host organizations of countries participating in the APRSAF, to discuss current space-related issues and possible cooperation among countries mainly in the region.

While the APRSAF has been an active forum to promote cooperative activities to resolve common and timely problems shared in the region, the APRSAF-17 will be held under the main theme entitled “The role of space technology and industry in addressing climate change” with the aim of improving the quality of life of people through enhancing use of space-based systems, activities and services.

The APRSAF-17 is going to have a plenary session, and 4 working groups (WGs): Earth Observation (EO) WG, Communication Satellite Applications (CSA) WG, Space Education and Awareness (SEA) WG and Space Environment Utilization (SEU) WG.

At the plenary session, we will have a summary report from the Sentinel Asia (Disaster Management Support System in the Asia-Pacific Region), SAFE (Satellite Applications For Environment) and STAR (Satellite Technology for the Asia-Pacific Region) program. Other topics will be informed in due course.

Once again, I look forward to seeing you in Melbourne for exchanging lively views toward future cooperation in space activities, and hope that the APRSAF-17 will contribute to further cooperation in space activities in the Asia-Pacific region.
APRSAF-17 Outline

Date and Venue
Date: 23 to 26 November 2010
Venue: Crown Conference Centre, Melbourne, Australia

APRSAF-17 & Relevant Events

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<th>Event</th>
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<td>20-21 Nov. 2010</td>
<td>Water Rocket Event</td>
<td>VSSEC and Cross Keys Reserve</td>
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<tr>
<td>21-22 Nov. 2010</td>
<td>GNSS Workshop</td>
<td>The Royal Melbourne Institute of Technology (RMIT)</td>
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<td>22 Nov. 2010</td>
<td>SAFE Workshop</td>
<td>Crown Conference Centre</td>
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<td>23-26 Nov. 2010</td>
<td>APRSAF-17 Working Group Session (23&amp;24)</td>
<td>Crown Conference Centre</td>
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<td>Plenary Session (25&amp;26)</td>
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<td>23-26 Nov. 2010</td>
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* For detailed information about the above events, please see p. 6.

Objectives

While the APRSAF has been an active forum to promote concrete cooperative activities to resolve common issues at the regional level, the APRSAF-17 will be held under the main theme of “The role of space technology and industry in addressing climate change” with the aim to contribute toward solving problems not only of the Asia-Pacific region but also of the whole world as well as to exploit space technology development and utilization for sustainable development of countries in the Asia-Pacific region.

Plenary and Working Groups

The Plenary session will take place in the third and fourth days of the APRSAF-17. Prior to the Plenary session, it is proposed to have parallel sessions for the working groups (WGs): Earth Observation (EO) WG, Communication Satellite Applications (CSA) WG, Space Education and Awareness (SEA) WG and Space Environment Utilization (SEU) WG in the first and second days of the APRSAF-17. The concept paper of each working group will be provided to you in due course.

At the Plenary session, a status report of the Sentinel Asia Project, SAFE (Satellite Applications For Environment) and STAR (Satellite Technology for the Asia-Pacific Region) program will be presented.

- Sentinel Asia was initiated as the first step to build a space-based disaster risk management system in the Asia-Pacific region since the APRSAF-12, and now that has entered into STEP2 Project.
- SAFE (Satellite Applications For Environment) was recommended in APRSAF-15 in 2008 as a platform for development of solution-oriented prototype systems for space-based environmental monitoring, in particular to assess regional impacts of climate change. Its basic concept for future prototype activities is contributing to GEOSS.
- STAR (Satellite Technology for the Asia-Pacific Region) program was proposed in the APRSAF-14 as a new international cooperation scheme on small satellite development. The objective of this cooperation is to provide opportunities of capacity building on satellite development for space agency staffs in Asia-Pacific countries, to increase the number of available Earth observation satellites in this region and meet the needs of Earth observation in the future.
- The Global Navigation Satellite System (GNSS) workshop will be held in Melbourne just prior to the APRSAF-17 from 21 - 22 November. The summary of GNSS workshop will be presented in the report session of Communication Satellite Applications (CSA) WG at the plenary session.
- The outline of space education and capacity building programs that Japan has been offering will be also presented at the APRSAF-17, and some of the programs will be highlighted.
Expected Attendance

Senior officials of relevant Ministries as well as heads and other representatives of space agencies, remote sensing agencies, and interested institutions from governments, academic circles and industries including private sectors are very much welcome to participate in the APRSAF-17.

*Participants from Australia are recommended to contact the Point of Contact of the DIISR mentioned below to obtain more detailed information for participation.

Co-chairs

❖ General
• Dr. Michael Green
  General Manager, Innovation and Space Branch, Manufacturing Division, DIISR
• Dr. Tetsuhiko Ikekami
  Chairman, Space Activities Commission (SAC) / MEXT

❖ Earth Observation WG
• Dr. Adam Lewis
  Group Leader, National Earth Observation Group, Geospatial and Earth Monitoring Division Geoscience Australia
• Dr. Shinichi Sobue
  Planning Manager, Earth Observation Research Center, JAXA

❖ Communication Satellite Applications WG
• Prof. Andrew Parfitt
  Pro Vice Chancellor and Vice President, Division of Information Technology, Engineering and the Environment, University of South Australia (UniSA)
• Mr. Hiroki Kohhata
  Senior Engineer, Satellite Applications and Promotion Center, JAXA

❖ Space Education & Awareness WG
• Prof. Graham Durant
  Director of Questacon
• Dr. Takashi Kubota
  Professor, Department of Spacecraft Engineering, JAXA

❖ Space Environment Utilization WG
• Dr. Miriam Baltuck
  Director, Canberra Deep Space Communication Complex (CDSCC)
• Mr. Shigeki Kamigaichi
  Director, Kibo Utilization Office for Asia (KUOA), Space Environment Utilization Center, JAXA

Points of Contact

If you have any inquiries concerning the APRSAF-17, please feel free to contact:

For Participants from Australia:
Ms. Michele Clement
Manager
Space Policy Unit
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TEL: +61 2 6213 7669
FAX:+61 2 6290 8923
E-mail: mlchele.clement@innovation.gov.au

For Participants from the countries except Australia:
Ms. Yukiko Okabe
APRSAF-17 Secretariat
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E-mail: aprsaf-17@aprsaf.org

For further detailed information on the program, registration and logistics of the APRSAF-17, please visit the APRSAF website at: http://www.aprsaf.org
APRSAF-17 Relevant Events

APRSAF-17 relevant events will be held just before and during the session of the APRSAF-17.

SAFE Workshop
Date: 22 November 2010
(Day 0 of APRSAF-17)
Venue: Crown Conference Centre, Melbourne, Australia

Contact for further information (SAFE Workshop)
SAFE Secretariat (c/o Japan Space Forum)
Tel: +81-3-5200-1302
Fax: +81-3-5200-1420
E-mail: safe@jsforum.or.jp

APRSAF-17 Poster Contest
Theme: “Space Technology to Help the Earth”
Co-organizers: DIISR, VSSEC and JAXA
Date: During the sessions of APRSAF-17 (23-26 November 2010)
Venue: Crown Conference Centre, Melbourne, Australia

APRSAF-17 Water Rocket Event
Co-organizers: DIISR, VSSEC and JAXA
Date: 20 - 21 November 2010
Venue: VSSEC and Cross Keys Reserve, Strathmore, Melbourne, Australia

Asia-Oceania Regional Workshop on GNSS
Date: 21 – 22 November 2010
Venue: The Royal Melbourne Institute of Technology (RMIT), Melbourne, Australia
*Further detailed information will be released in due course at:
http://www.multignss.asia/

Contact for further information (GNSS Workshop)
Mr. Hiroaki Tateshita, JAXA SAPC
Tel: +81-50-3362-3361    Fax: +81-29-868-5975
Email: ws@multignss.asia

Second SAFE Workshop (2010/June/28-29)

The Second Space Applications For Environment (SAFE) workshop was held in Colombo, Sri Lanka on 28 & 29 June. The workshop was co-organized by the Coast Conservation Department (CCD) of Sri Lanka and the Japan Aerospace Exploration Agency (JAXA). More than 50 representatives from 10 countries and international organizations participated in the workshop.

SAFE is one of three initiatives of APRSAF. It aims to promote the tackle to environmental change issues in the Asia-Pacific region by using of space applications especially for remote sensing technology.

The workshop started with Keynote address by Mr. Rohitha Abegunawardane, Hon. Deputy Minister of Ports & Aviation of Sri Lanka, following to the welcome remarks by the co-chairs. In the workshop, two new proposals, Water Cycle Monitoring in Pakistan and Modeling Ocean Frontal Zones

The 18th Asia-Pacific Regional Space Applications Forum
The third Joint Project Team Meeting for Sentinel Asia Step 2 (JPTM2010) for contributing the Disaster Management Support System in the Asia-Pacific region was held from 6 to 8 July 2010 at the Hyatt Hotel Manila, Philippines. The meeting was co-organized by the Philippine Council for Advanced Science and Technology Research and Development (PCASTRD) of the Department of Science Technology (DOST), the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP) and the Japan Aerospace Exploration Agency (JAXA). It had 71 participants from 36 organizations in 22 countries and region, and 5 international organizations.

In the three-day meeting, several reports were presented such as for the progress of Sentinel Asia Step 2 and enhancements to Sentinel Asia, as well as country reports. Major results of the meeting are as follows:

- **Increase in the Number of Satellites**
  Participation of FORMSAT (Taiwan) was confirmed in addition to satellites of JAXA, the Indian Space Research Organisation (ISRO), the Korea Aerospace Research Institute (KARI) and the Gio-Infomatics and Space Technology Development Agency (GISTDA), Thailand. Also, it was reported that KARI and the Centre for Remote Imaging, Sensing and Processing (CRISP), Singapore was now considering providing Sentinel Asia with KOMPSAT-2 data and X-SAT (to be launched this year) data respectively.

- **Preparation for value-added information**
  Increase in the number of Data Provider Nodes (DAN) and progress of establishment of operating system of data analysis being conducted chiefly by the Asian Institute of Technology (AIT) were reported.

- **Collaboration with The Charter, Space and Major Disaster**
  Regarding collaboration with the Charter, operation procedure for emergency observation request to the Charter was explained. This collaboration will bring increase in the number of satellites for Sentinel Asia when it escalates the request to the Charter.

- **Working group report**
  The three working groups, Wildfire Monitoring Working Group, Flood Monitoring Working Group and Glacial Lake Outburst Flood Monitoring (GLOF) Working Group, reported their progress and future plans.

In the end of the meeting, to improve Sentinel Asia, participants exchanged their ideas about collaboration with another activities, cross link with other websites, etc.

**Third Joint Project Team Meeting for Sentinel Asia**
**Step 2 (2010/July/6-8)**

**Third Joint Project Team Meeting for Sentinel Asia**
**Step 2 (2010/July/6-8)**
Australia Welcomes APRSAF-17

Australia welcomes the 17th session of the Asia Pacific Regional Space Agency Forum to Melbourne, the nation’s second largest city.

Melbourne is one of Australia’s most popular cities to visit. Melbourne heavily supports Australia’s ICT, manufacturing and automotive industries and is classified as one of Australia’s major financial hubs. Melbourne has the reputation of being the cultural capital of Australia, hosting an atmosphere like no other city. Melbourne is a style-setter with some of the best shopping and nightlife and is authenticated in a non-stop program of festivals, major art exhibitions and musical extravaganzas. Melbourne also offers a lively passion for social eating and drinking. Everywhere you look you will uncover a vast array of fashionable cafes and hidden restaurants, where you can enjoy Melbourne’s world renowned street art culture to your heart content.

We encourage all delegates and there associated guests to visit our fantastic city of Melbourne. After a six year gap we look forward to yet again hosting APRSAF on Australian soil. The Australian space community looks forward to APRSAF-17 providing a great opportunity to develop new, and strengthen old working relationships with the Asia Pacific and other international regions.

APRSAF-17 Calendar

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<tr>
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<th>July</th>
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<td>▲ 23-26 APRSAF-17</td>
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We welcome your updates on space-related activities and also your comments and suggestions to the APRSAF Secretariat.

APRSAF Secretariat

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We welcome your updates on space-related activities and also your comments and suggestions to the APRSAF Secretariat.