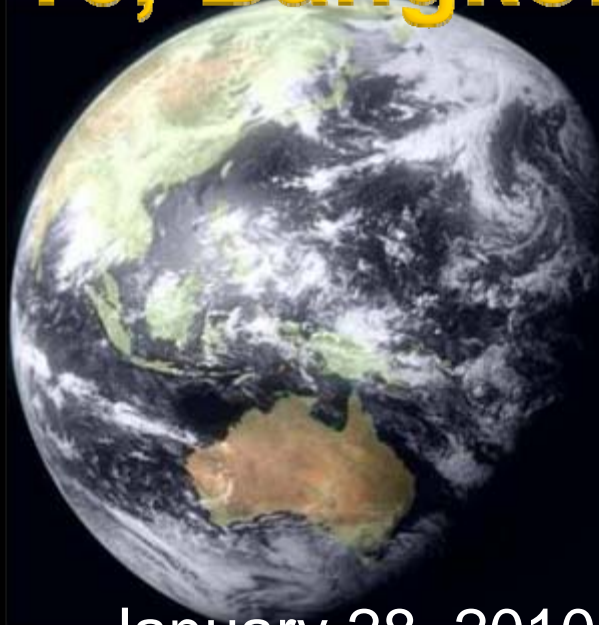


Summary Report on Earth Observation WG APRSAF-16, Bangkok Thailand



January 28, 2010

Dr. Darasri Dowreang

Acting Executive Director

Geo-Informatics and Space Technology Development Agency (GISTDA)

Dr. Takashi Moriyama

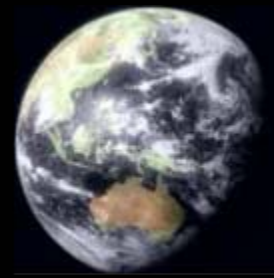
Fellow ,Earth Observation Research Center
Japan Aerospace Exploration Agency (JAXA)



APRSAF-16 EO-WG
Jan 26 - 27

153 participants
/26 countries/78 organization

(DAY-1)

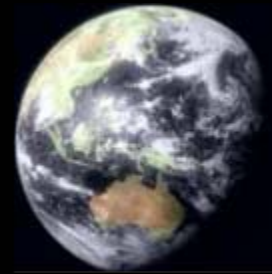


Opening of the Session

- Remarks by the Co-Chairs
- Adoptation of the Agenda (Co-Chairs)
- Self Introduction (ALL)
- Review of the last EOWG at Hanoi
 - >>Dr.Khoi Anh Lai (VAST)
- Focus of EOWG (Co-Chairs)
 - >>Private sector initiative, Environment change
- Keynote speech
 - >>Dr. Tongchai Charupatt (GISTDA)

✓The background of APRSAF-16 and the focal point of EOWG were confirmed and approved

(DAY-1)



SAFE

On going;

- Cambodia
(Water management &
Agriculture)
- Lao PDR
(Forest
Management)

Approved;

- Sri Lanka
- Indonesia

✓ Confirmed the progress of Cambodia and Lao PDR.

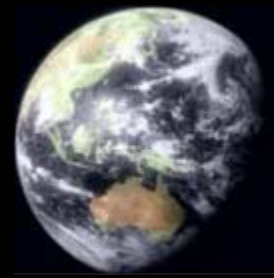
✓ Approved two proposals as new SAFE prototyping (Sri Lanka: Risk of Sea Level Rise , Indonesia: Potential Drought monitoring)

✓ Agreed Ocean Carbon Flux being continuously discuss to approve as a new SAFE prototyping .

Future Subject;

- Ocean Carbon Flux (Ocean eco-system)

(DAY-1)

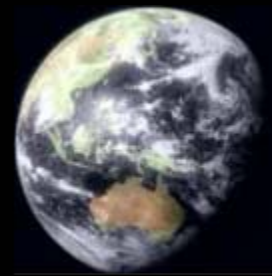


•Country Report

- Bangladesh
- India
- Indonesia
- Kazakhstan
- Korea

- ✓ Bangladesh : Flood monitoring and warning
- ✓ India : Flood early warning system
- ✓ Indonesia : Activity for REDD
- ✓ Kazakhstan : Land cover and agriculture
- ✓ Korea :KARI space program and application

(DAY-1)



Report from International Organizations

- FAO
- UNESCAP
- UNSGAB

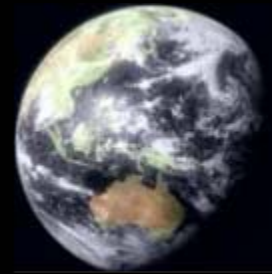
- ✓FAO : GIS use in natural resources monitoring and management
- ✓UNESCAP : Disaster risk reduction and over all of EO applications
- ✓UNSGAB: Water, Sanitation and the important

FAO : Food and Agriculture Organization of the UN

UNESCAP : UN Economic and Social Commission for Asia and Pacific

UNSGAB : UN Secretary General's Advisory Board on water and sanitation

(DAY-2)

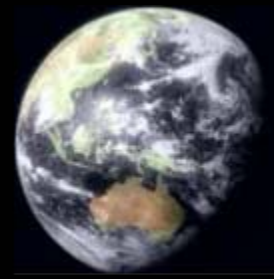


•Special Session I :

Space Applications for Emerging Infectious Diseases
by ASEAN Foundation (CISCAI : Communication and Information
Systems to the Control Avian Influenza)

- ✓ Learned CISCAI activity for Emerging Infectious Diseases
- ✓ Agreed further study how utilize the communication satellite (i.e. WINDS) and EO data/GIS in CISCAI project.
- ✓ LINK CISCAI project information with UNSGAB web site
- ✓ Realize the value of inter working groups discussion to stimulate cross boundary topics (e.g. HDTV deliver on ISS/JEM >>EOWG, CSAWG, SEUWG)

(DAY-2)



Sentinel Asia

- Wild Fire WG
- Flood WG
- GLOF WG

✓ Confirmed current status of 3 WGs

Discussion

➤ The target & activity of GLOF WG including the relation with SAFE should be discussed more.

GLOF: Glacial Lake Outburst Flood

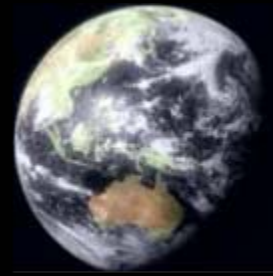
GLOF working group activity consists of two parts.

- >>Glacial lake monitoring and modeling of outburst flood
- >>Information dissemination to end users with ADRC

Glacial shrinking as a climate change indicator

- >>Future potential SAFE prototyping theme.

(DAY-2)

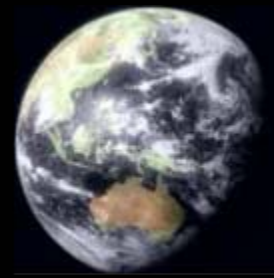


Country Report (con'd)

- Mongolia
- Nepal
- Singapore
- Sri Lanka

- ✓ Mongolia : Environmental Geo-database
- ✓ Nepal: National Spatial Data Infrastructure (NSDI)
- ✓ Singapore : Over all of EO activities
- ✓ Sri Lanka : Cartography

(DAY-2)



Private Sector Initiatives

- Kokusai Kogyo Co., Ltd.
- Satrec Initiative
- Japan Manned Space System Corporation (JAMSS)
- PASCO Corporation

✓ Confirmed
current activities

Key Words in Discussion;

Small Satellites Constellation, Standardization of Information System, Data dissemination, Interoperability / Interusability, Social Responsibility Sharing , Legal cooperative framework, Internet business model for CSR(Company Social Responsibility)

Recommendation to the plenary



- Recognize that the participating countries and international organizations have various needs for space applications to cope with the climate change adaptation and mitigation issues , disaster management and climate change affected issues such as health, water management, biodiversity, forest cover change, and encourage SAFE prototype activities to expand their scopes and applications as well as making a bridge to practical use.
- Confirm the progress of ongoing four prototyping and approve two new proposals (Sri Lanka: sea level rise and Indonesia: potential drought) as SAFE prototyping.

Recommendation to the plenary



- Realize the value to continue information exchange with private sectors and encourage their participation to implement space applications to support climate change adaptation and mitigation, as well as disaster monitoring and mitigation in Asia Pacific countries by sharing their space application expertise.