

# Summary

## **The Second Joint Project Team Meeting for Establishing the Disaster Management Support System in the Asia-Pacific Region**

- **Organized by: JAXA/GISTDA/UNESCAP**
- **Date: 27-28 June 2006**
- **Venue: Nai Lert Park Bangkok Hotel, Thailand**
- **Number of participants: 109**
- **Number of countries represented: 18**
- **Number of participating organizations: 52 (10 international)**

# Session 1 – Welcome & Introduction

- Chairperson: Dr. Moriyama, Director, Disaster Management Support Systems Office (DMSSO), JAXA
- Welcome remarks,
  - Dr. Vichit Satharanoud: Highlighted, sentinel project is focused on Protection, monitoring, remediation for disaster
  - Mr. Kozawa: Stated that the Goal is to provide operational system to the Sentinel Asia to tackle these disasters
  - Mr. Wu Guoxiang: Gave details about 1<sup>st</sup> JPTM
- Keynote speech,
  - Dr. Tachikawa: Presented the objectives of JAXA and work of JAXA launched satellites
  - Mr. Thongchai Charupatt: Gave details about GISTA, Thailand's future plans of satellite launch. Also he briefed about applications such as map production and flood monitoring
- Status of JPT,
  - Dr. Moriyama:

## Session 2 – Better understanding of Sentinel-Asia

- Mr. Kaku (JAXA) presented to make better understanding of Sentinel Asia as;
  - JAXA's vision is to use all the satellites for disaster monitoring
  - LANDSAT, ALOS & MODIS is used for this obtaining data
  - Structure of the Sentinel Asia project
  - Sentinel Asia will provide disaster related data & images
  - Framework of the information sharing platform
- Prof. Fukui (Keio University) presented introduce for Digital Asia as;
  - Digital Asia Project (a part of Digital Earth Project, 5 year duration) is involved in gathering and sharing data, collaboration with organizations (eg. collaborated with University of Maryland to get the data from the NASA).
  - Using the gathered data digital information is produced incorporating Satellite image in the GIS system.
  - The features of the disaster management support system web interface was explained in detail.
  - Through the website if required, additional data could be requested.
  - Digital Asia is tool for data sharing for Sentinel Asia Project

## Session 3 – Data Provider Nodes Plan

- Mr. Ishida (JAXA) reported status of ALOS satellite and also example of ALOS rapid response experience in Philippine, Thailand, Indonesia.
- Mr. Sekiguchi (AIST) introduced GEO-Grid project as;
  - Global land coverage by ASTER (15m resolution) is using
  - Objectives of the GEO grid: Global warming, alternative energy (biomass), disaster mitigation & prevention (volcano)
  - Applications: disaster prevention and mitigation (land slides) etc., explore subsurface structures, survey of potential business applications
  - AIST is happy to support the Sentinel Asia Project.

## Session 3 – Data Provider Nodes Plan (cont)

- CSIRO (Australia), LAPAN (Indonesia), CRISP (Singapore), MACRES (Malaysia), GISDA (Thailand), ISRO (India) made their presentation as “Data Provider Node of Sentinel Asia.
- Participants recognized that Contribution Policy (e.g. Data Distribution) shall define by each Data Provider Node as soon as possible.
- Regarding with presentation from GISTDA (Thailand) introduction of ASEAN+3 Archive Project (Clearinghouse), participants recognized that future consideration how to cooperate each other will be needed.

## Session 4 - Working group discussion

- Second JPTM organized first Working Group Meeting as follows;

Wild fire working group

Technical Implementation Team

Flood Working group

Those Working Group will report its summary of discussion at Session 7.

# Session 5 – Research and Training Nodes’ Plan

- Dr. Lal (GIC/AIT) presented “Plans of Capacity Building” with their on going program in Asia.
- ASEAN Secretariat keenly requested that education materials shall put Web site and make it sure the address of them, and participants were also asking same request to AIT.
- Mr. Kozawa (JAXA) suggested that those Research and Training Activities of GIC/AIT directly relation with Sentinel Asia, thus future activity shall combine form now, and secretariat shall clarify how to participate from Sentinel Asia Participants in the future.
- There were another 12 questions and comments from participants, its means that this is one of interesting session by Participants. New working group for “Outreach WG” will establish may establish ?

## Session 6 – User Nodes’ Plan

- Mr. Arakida (ADRC) made presentation regarding with ADRC activities and Role of ADRC in Sentinel Asia Project, and participants required to expand its activates to expand from ADRC counterpart to JPT participants.
- ICIMOD (Nepal), IFnet (Japan), ITB (Indonesia), DMH (Myanmar), STEA-ERI (Lao P.D.R) made their presentation as “User Nodes’ Plan” of Sentinel Asia.
- Dr. Fukui made comment for presentation from ICIMOD that Digital Asia is ready to connect other clearinghouse which ICIMOD introduced and future arrangement will needed.

# Session 7 – Working Groups’ and Team Activity

- Each Working Group Reported result of discussion by session 4 and Dr. Alex Held (CSIRO) reported status of implementation plan for Sentinel Asia as;
- Wildfire Working Group; Prof. Fukuda (Hokkaido Univ., Japan) reported that
  - These contribute to green house effect
  - All hotspots are not forest fires
  - Need for simulation of fire expansion.
  - Boreal Forest Fire Control Initiative
  - Next workshop will be from 16-18 September 2006 in Indonesia on tropical rain forest on wildfire and global warming followed by one in 2007.
- Flood Working Group; Mr. Ishida (JAXA) reported that
  - Integrate flood components with SA and should be used for local users
  - By the end of 2007 there will be working group meetings and working activities are going to be done.
  - Proposed project:
    - DFAS and test run by users
    - Mini projects for 5 countries, user testing and evaluation system
    - GOAL setting (by end of 2007) was set up.
  - Chairmanship of this WG will appoint Mr. Fukami (ICHARM/UNESCO)

# Session 7 – Working Groups’ and Team Activity

- Technical Support Working Group; Prof. Fukui (Keio Univ., Japan) reported that
  - Origination framework for technical implementation will be defined
  - Start setting up clearinghouse in details
  - Implementation of SA servers for data sharing have agreed
  - Capacity building (how to deal with data, set-up clearinghouse, web GIS)
  - Regional management
- Dr. Alex Held reported that Status of Implementation Plan as
  - Plan of satellite information dissemination
  - Physical components of the network
  - Requirements of the nodes
  - User nodes, data provider nodes and research nodes
  - Commitments since Hanoi meeting
  - Progress so far
  - Next parallel steps by November 2006