



Sentinel Asia Project

*for establishing Disaster Management Support System
in Asia-Pacific Region*

The 3rd Sentinel Asia JPT Meeting
13-15 March 2007, Singapore

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1. AGENDA

General

The targets of this meeting are:

- Recognition of present situation and issues (for step1)
- Strengthening activities (for step1)
- Constructing new utilization vision (for next step)

Session 1 : Opening Addresses

Session 2: Keynote Speech

Session 3 (This Session): JPTM Activities

1. AGENDA - cont.-

Session 4: Present Situation and Issues

- Sentinel Asia System---System upgrade, user interface
- Operation when disaster happens---Activate Sentinel via ADRC
- Cooperation with users---Asia branch activities
- Working Group activities update---Wildfire, Flood monitoring

Session 5: Constructing New Utilization Vision

- Vision for next step---Target to operational system

Session 6: Strengthening Activities

- Role of each node---Come on !! Work together
- Capacity building---Announcement for User Nodes
- Practical cases of each countries---You are invited !!

1. AGENDA - *cont.*-

Session 7: WG Meetings---Parallel Meetings

- Wildfire working group---Activity updates
- Flood working group---Activity updates

Session 8: WG Report

- Report from each working Group---Prof.Fukuda, Dr.Fukami

Session 9: Comprehensive Discussion and Confirmation

- Discussion for each issues---Join/enjoy 2H discussion !!
- Confirmation of action items---Chairman

Session 10: Closing Address on 3rd JPTM---Kozawa-san



1. AGENDA - *cont.*-

Extra Session : JAXA's new proposal for APRSAF community

- Environmental Sentinel Asia (SA'e)---Matsuura-san yoroshiku
- Other topics---???

2. REVIEW OF THE LAST JPT MEETING

The conclusion of the last meeting;

1. A better understanding of SA System by JPT members was obtained through a demonstration of its prototype. As a result, it was recognized to be necessary to take the Internet bandwidth of each country into consideration in designing SA System.
2. The member organizations reported their Action Plans for data distribution, user interfaces, capacity building and so on.
3. The Wild Fire Working Group and the Flood Working Group have been established after their Action Plans were agreed upon.
4. The status of ALOS operation, including disaster observation, was reported and the operational interfaces for ALOS observation requests were clarified.



2. REVIEW OF THE LAST JPT MEETING - *cont.*-

5. Training programs for SA will be finalized and be carried out, as well as the secretariat will give out and disseminate developed training materials.
6. Roles of the each node, in the SA Implementation Plan, were clarified. The participant lists of the each node for SA were updated: 44 organizations from 18 countries and 7 international organizations confirmed to participate in the Node(s).
7. Sentinel-Asia will begin to operate in October 2006, and the Sentinel Asia project will be reported at APRSAF-13 in November, 2006.

2. REVIEW OF THE LAST JPT MEETING - *cont.*-

Progress since the last JPT meeting;

1. Sentinel Asia System / Website --- Operation started
2. Response to disasters --- Some satellite images uploaded
3. Implementation Plan --- Documentation completed
4. User requirement and bandwidth survey --- Done by JAXA Bangkok Office
5. Capacity building --- New plan drafted
6. Wildfire, Flood WG --- Activity planned and started
7. New satellite data source --- Preparing (ISRO, JMA, KARI)

3. REVIEW OF THE APRSAF-13

The recommendations;

1. The Joint Project Team shall strengthen the Sentinel Asia activities and improve the operability of the existing systems, taking into account the needs such as to enlarge the scope of the project to cover various types of disasters, to increase the number of Earth observation satellites involved and to implement dedicated training programs, expressed by the participants of APRSAF-13.
2. Earth Observation Working Group shall study the feasibility to establish a similar project in the environment field, based on the experience of Sentinel Asia project.
3. (omitted)



3. REVIEW OF THE APRSAF-13 - *cont.*-

4. Communication Satellite Applications Working Group shall consider applying the Wideband Internetworking engineering test and Demonstration Satellite (WINDS) experiment program to study:
 - i) the technical issues of Ka-band satellite communications, satellite IP network, broadband communications;
 - ii) **the application of WINDS to Sentinel Asia project**, and
 - iii) post WINDS program with cooperation of Asian countries.
5. (omitted)
6. (omitted)
7. (omitted)

3. REVIEW OF THE APRSAF-13 - *cont.*-

Issues Discussed in Sentinel Asia Session;

1. Comments from the participants
 - To build a mechanism to measure outcomes (e.g. the number of visitors to the web site)
 - To enhance the wizard of the system
2. Problems listed by the JPT Secretariat of JAXA
 - Internet environment of Asian nations
 - Improvement in the system operability
 - Working group activities
 - Promotion of system utilization in disaster organizations

3. REVIEW OF THE APRSAF-13 - *cont.*-

Issues Discussed in Earth Observation WG;

1. Recommendations for the general meeting

- Sentinel Asia activities should be enhanced with the JPT members.
- There was an agreement on the concept of “Sentinel Asia for Environment (SAe)” (provisional title). An action plan will be discussed at the next JPTM.

2. Comments about Sentinel Asia

- An activation mechanism is needed in the case where ISRO participates in observation. (from ISRO)
- As for flood monitoring by the Flood WG, attention and consideration on the monitoring time frame is required.
- Not only disaster data, but also “information” for disaster management should be provided.



3. REVIEW OF THE APRSAF-13 - *cont.*-

3. Comments about Sentinel Asia for Environment (SAe)

- Though the concept is good, implementation will be difficult.
- “Sentinel Asia for Environment (SAe)” was positioned as a provisional title because Sentinel Asia has become established as a framework for disaster prevention.

Moving towards a new paradigm

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