


Japan Aerospace Exploration Agency

Sentinel-Asia Project for establishing Disaster Management Support System in Asia-Pacific Region

16. March 2006
 Kazuya Kaku
 Satellite Applications Center
 Japan Aerospace Exploration Agency (JAXA)


Japan Aerospace Exploration Agency

Adopted recommendations by APRSAF 12 held at Kitakyushu, Japan, in October of 2005

1. To strengthen international cooperation to take concrete actions towards the establishment of a disaster risk management system within the framework of APRSAF, recognizing the timeliness of establishing such a system, with the participation of as many entities as possible such as space agencies, disaster management agencies, as well as relevant regional and international entities

2. To take concrete steps towards the establishment of the above disaster risk management system, and as the first step, to implement "Sentinel Asia" pilot project through the formation of the joint project team at the earliest possible date in order to refine the details of the implementation of the project


Japan Aerospace Exploration Agency

Disaster Management Support System in Asia-Pacific Region (DMSS)

Objectives

APRSAF member organization shall contribute for disaster management by:

- Construction life-first society by IT & Space technology
- Improvement speed and accuracy for disaster preparedness and early warning
- Minimizing victims and social economic losses

Approach

Stepwise approach

- STEP 1 : Establishment of Sentinel Asia (SA) (2006-2007)
- STEP 2 : Combines Earth Observation and Satellite Communication System (2008-2009)
- STEP 3 : Establishment of a comprehensive DMSS (2010-)


Japan Aerospace Exploration Agency

Sentinel-Asia Project

Objectives

- Sentinel-Asia Project is the first step of DMSS carried out in 2006-2007
- To utilize earth observation satellite data (ALOS-JAXA-, MODIS-NASA-, etc.) for disaster management

System

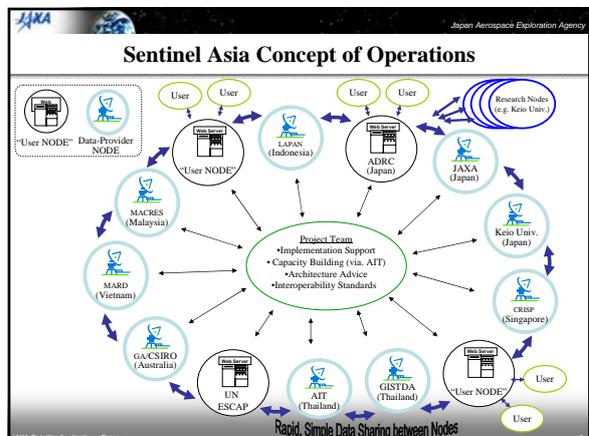
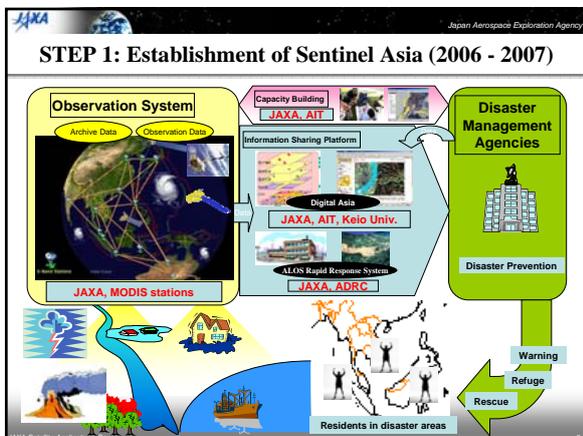
- Internet-based, disaster-related information distribution backbone
- Cooperation with Digital Asia Project
- Capacity building activities by AIT and JAXA
- Best-efforts, voluntary initiative by participating agencies/organizations

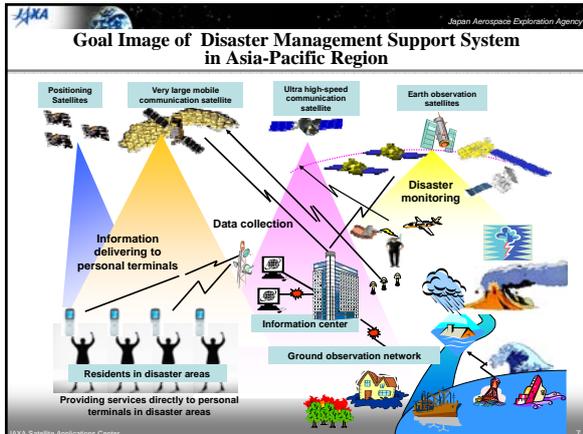
Joint Project Team

- Join Project Team, consists of total 27 organizations including 23 agencies from 14 countries and 4 international organizations, was initiated in Hanoi, Vietnam, in February of 2006

Project Office

- JAXA establishes two project offices in Tokyo and in an appropriate place in an Asia-Pacific region





Japan Aerospace Exploration Agency

Thank you for your attention.
