

Sentinel Asia

the next step



The 2nd GEOSS Asia-Pacific Symposium
Session on Earth Observations for Sustainable Water Management

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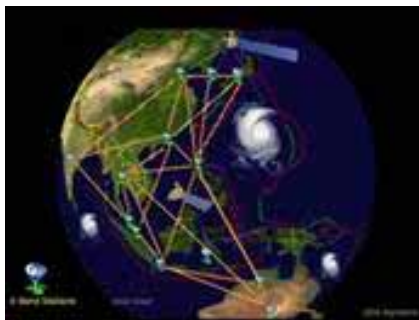
[History] Established in 1993 after the Asia-Pacific International Space Year Conference (APIC) in 1992

[Organizers] MEXT, JAXA and co-host organizations

➤ **Past co-organizers:** Government or related entities of Mongolia, Malaysia, Republic of Korea, Thailand, Australia, Indonesia, India

[Next Session] APRSAF-15 will be held in Hanoi, Vietnam, Nov or Dec, 2008 co-hosted by MOST, VAST, MEXT and JAXA

Sentinel Asia
establishing
Disaster Management
Support System



Working Groups



Earth
Observation



Communication Satellite
Applications



ISS



Space Education &
Awareness

History

- **Oct 2004:** APRSAF-11, Canberra, Australia, Sentinel Asia project proposed and conceptualized
- **Oct 2005:** APRSAF-12, in Kitakyushu, Japan, approved the plan to initiate the pilot project.
- **Feb 2006:** Joint Project Team (JPT) was organized and implementation of Sentinel Asia was initiated in the meeting in Hanoi, Vietnam
- **Oct 2006:** Operations of Sentinel Asia commenced by opening its Web site. JAXA also started to provide ALOS data and accept ALOS observation requests.
- **Nov 2007:** APRSAF-14, Bangalore, India, it was confirmed that:
 - STEP1 achieved its overall goals as a good demonstrator project
 - STEP2 was agreed
 - ISRO joined Emergency Observation
- **Nov or Dec 2008:** APRSAF-15, Hanoi, Vietnam

Main Objectives of STEP2

STEP2 (2008-2012) succeeding and strengthening STEP1

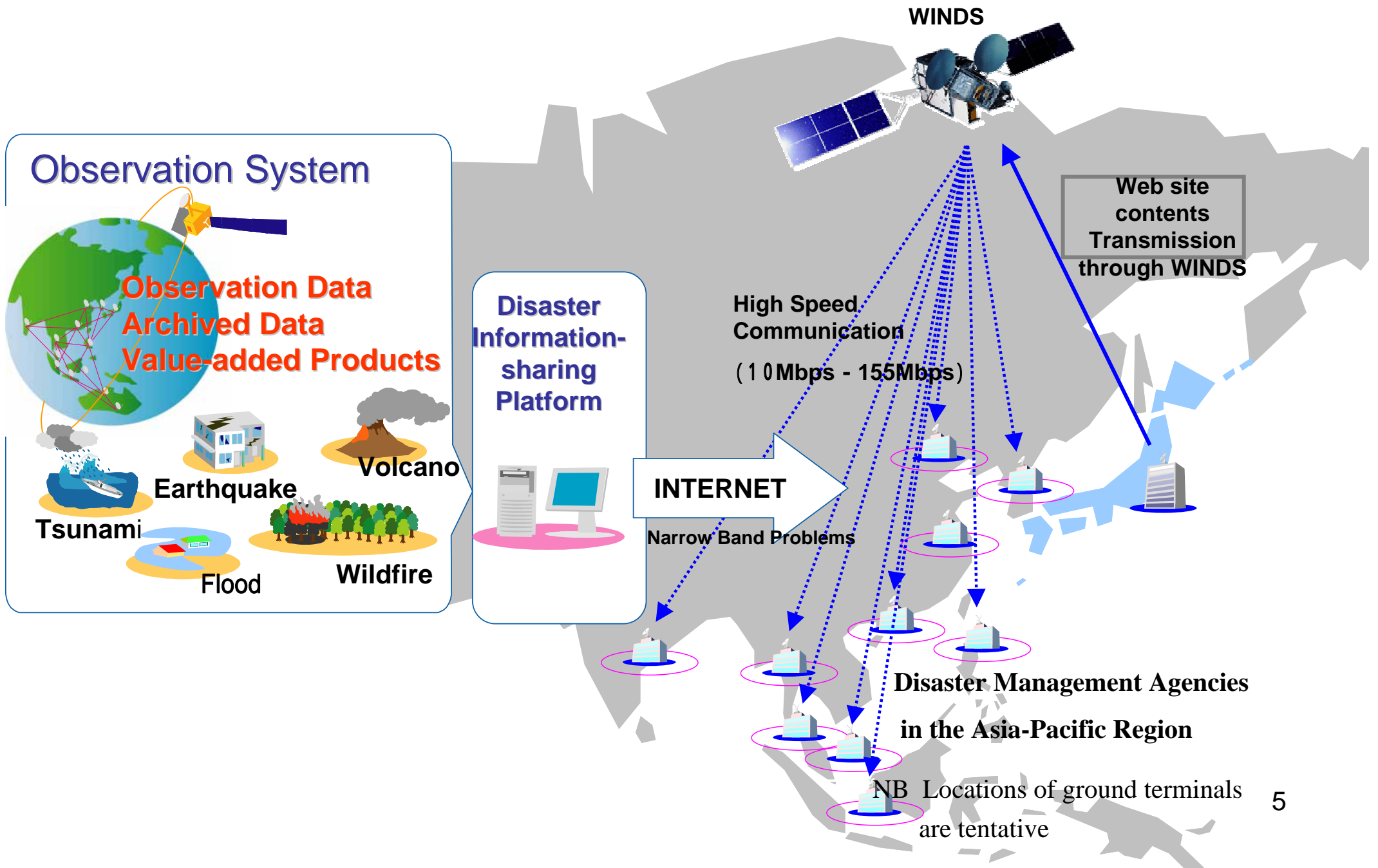
1 °Participation of Various Satellites

- EO satellites: ALOS (JAXA), MTSAT-1R (JMA), IRS (I SRO), KOMPSAT (KARI), THEOS (GISTDA), etc.
- Communications satellites: WINDS (JAXA) etc.

2 °Improvement of Accessibility to Information

- From data sharing (STEP1) to data sharing and transmission
- Facilitate access to disaster-related information through various means including *satellite communication using WINDS*

Application of WINDS for Sentinel Asia



Main Objectives of STEP2 (cont.)

3 °Value-added Data

- To provide analyzed images and easily comprehensible interpretations from images
- To organize framework of analysis group

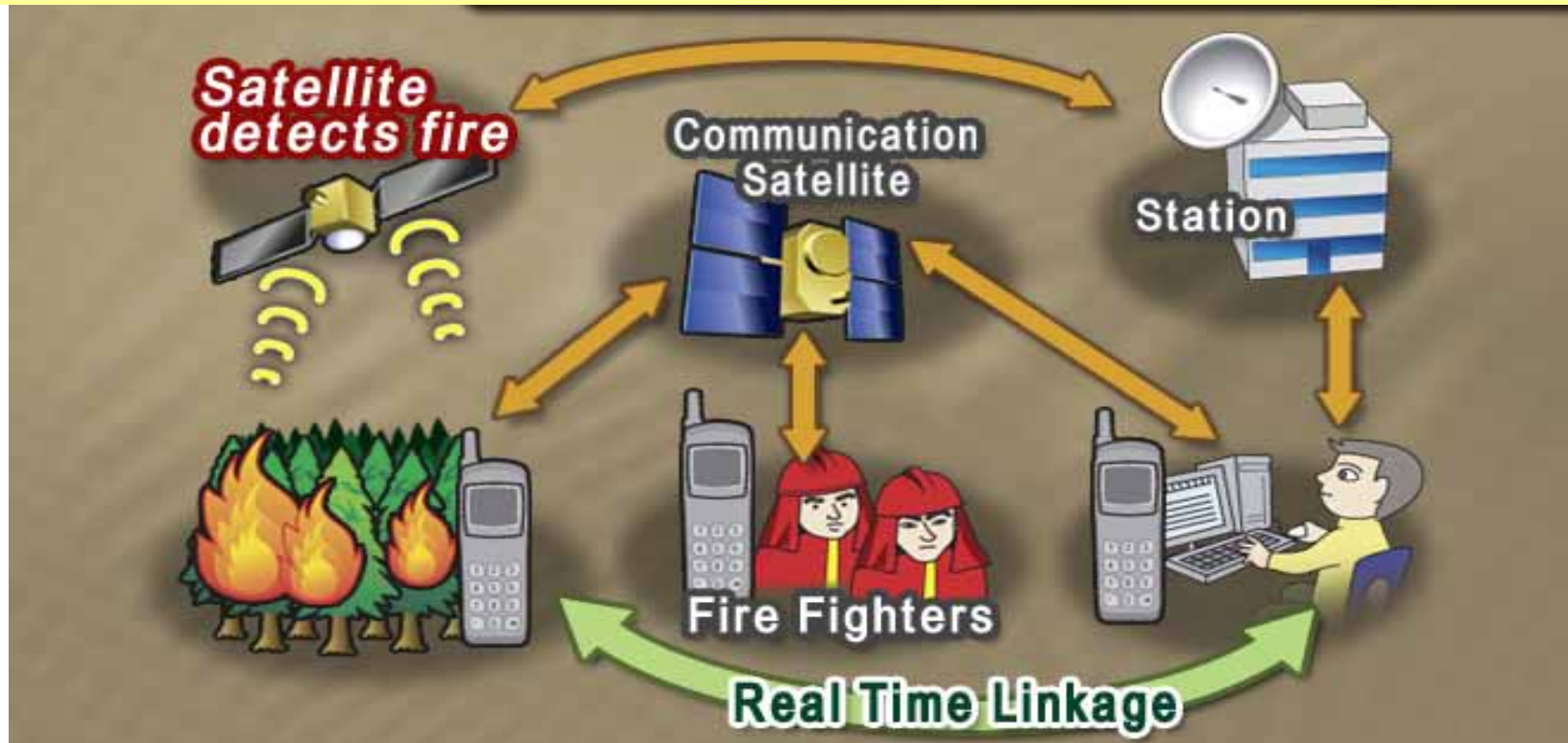
4 °Expansion of Disaster Scope

- To extend STEP1's focus on Wildfires and Floods
- To include monitoring during signs before disasters happen and environmental change
- *Strengthening contribution to management of wildfire* which bears substantial influence on global warming

5 °User Expansion

- *To expand users to local disaster authority in cooperation with UNESCAP*

Operational Goal of Sentinel Asia Wildfire Control Initiative



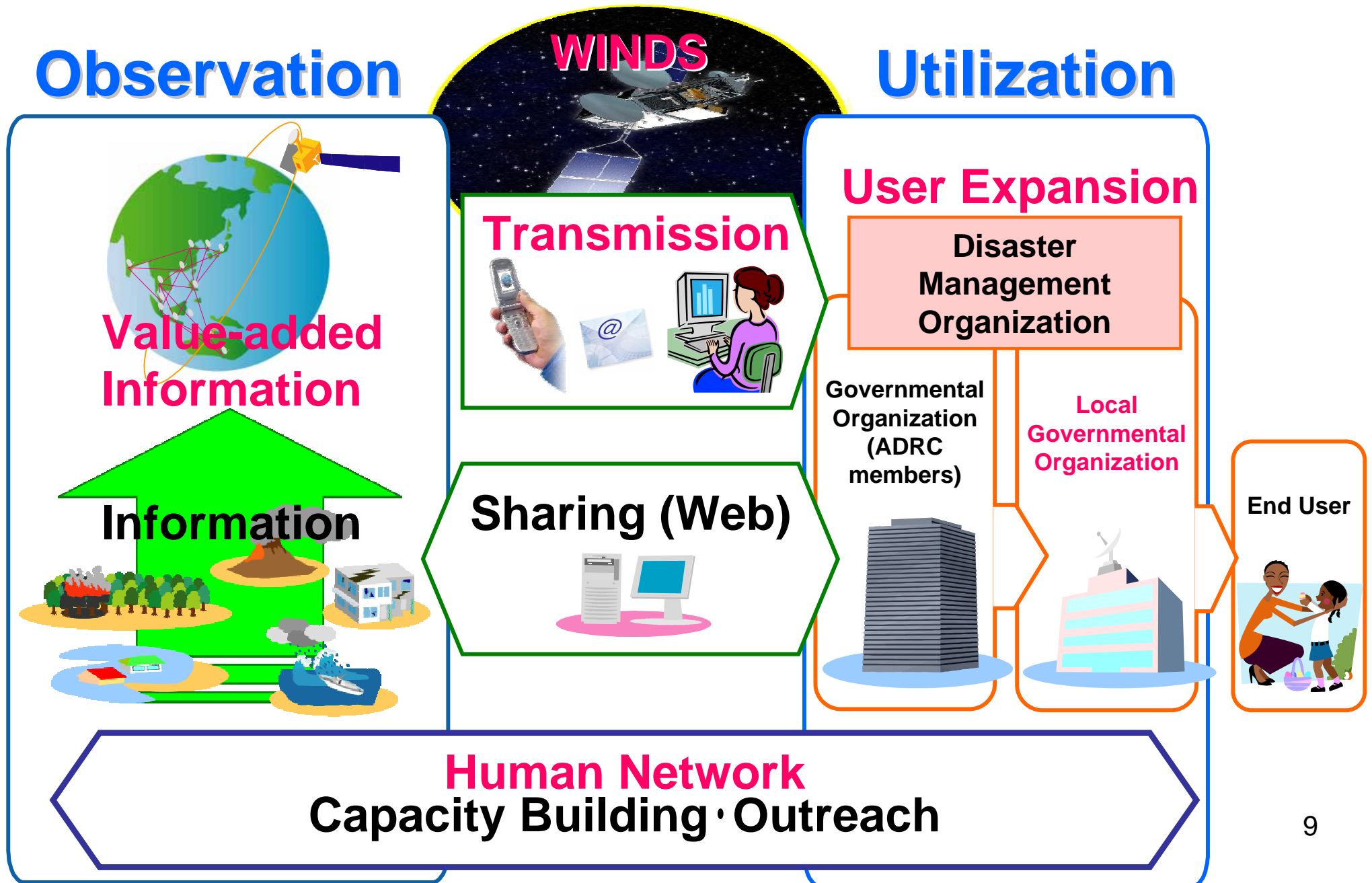
Expansion of Sentinel Asia Utilization in cooperation with UNESCAP

Asia-Pacific Region

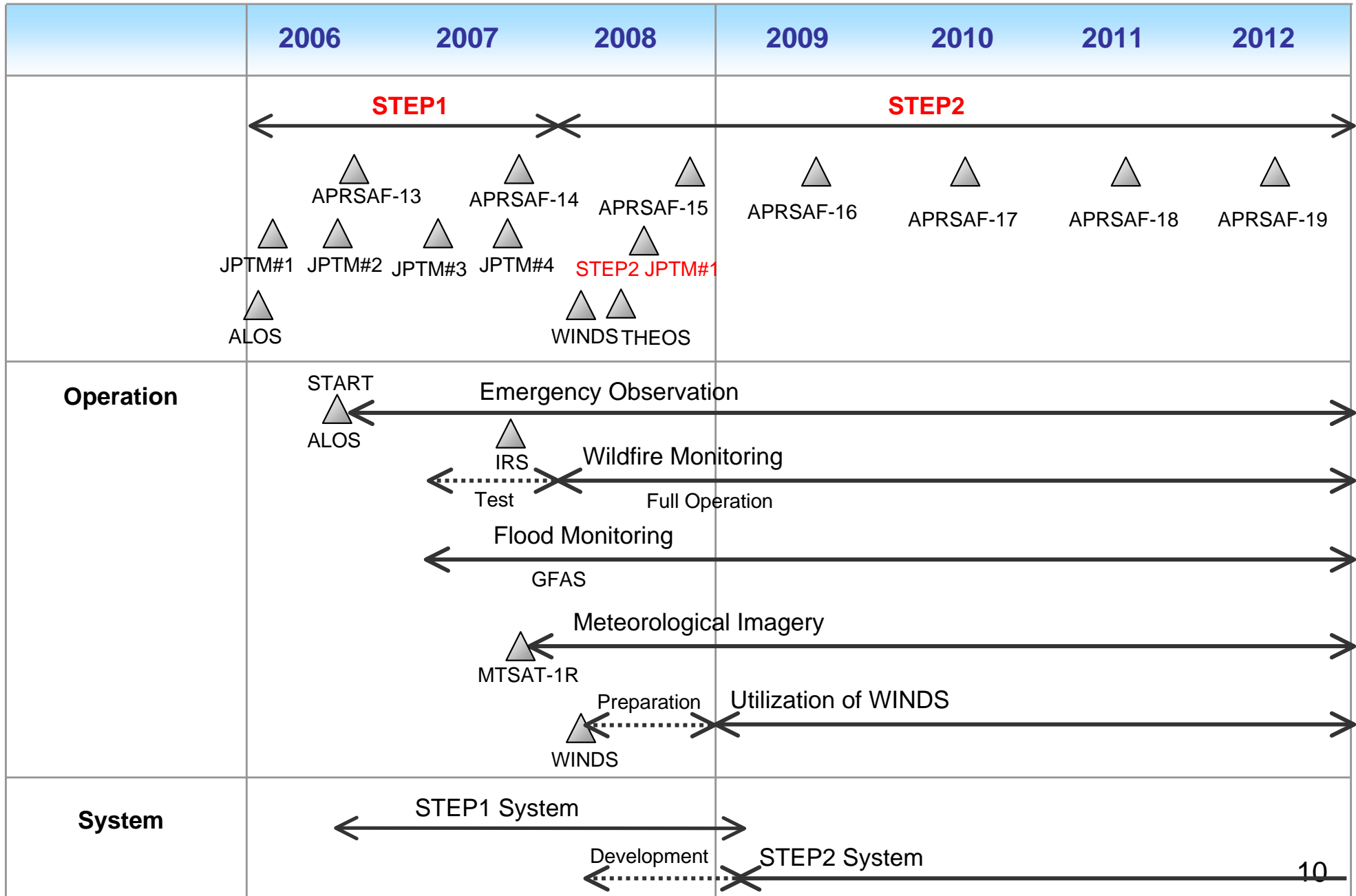
Sentinel Asia business model



Concept of Sentinel Asia STEP2



Sentinel Asia Milestone



Thank you for your attention.

Please visit Sentinel Asia and APRSAF at

<http://dmss.tksc.jaxa.jp/sentinel/>

<http://www.aprsaf.org/>

