

2-9. Promotion of “Sentinel Asia” project

“Sentinel Asia” is a project to share the disaster-related information such as the earth observation satellite imagery, etc. on the Internet in order to utilize in the management of disasters in Asia and Pacific regions. Central players of the project are the disaster reduction organizations in Asia, including the space organizations participating in APRSAF (Asia-Pacific Regional Space Agency Forum), ADRC and its member organizations (see Fig. 2-7-1).

Framework of Sentinel Asia;

Best effort/volunteer initiative by member organizations

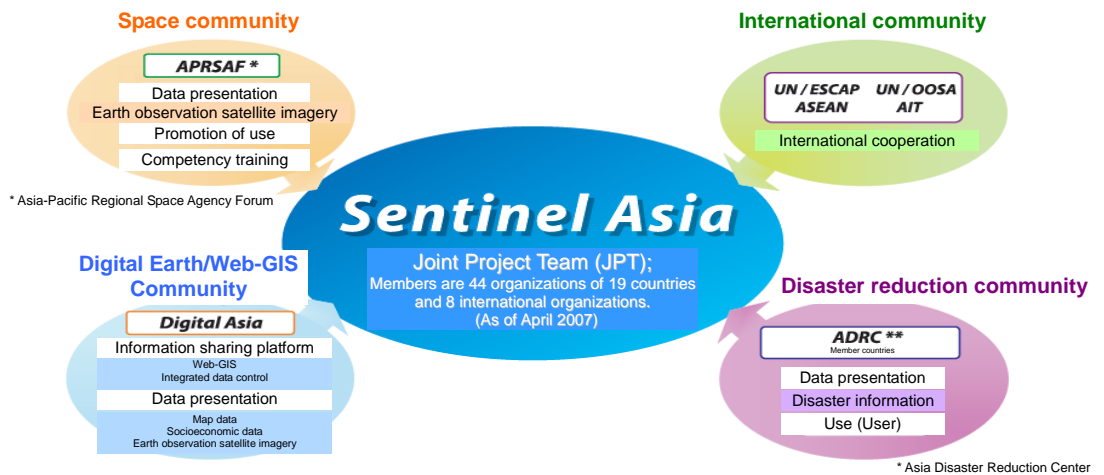


Fig.2-9-1 Framework of Sentinel Asia

Out of the services provided by Sentinel Asia, ADRC promotes supports for the use of the system which observes situation at the site in the event of disaster using an earth observation satellite and distributes the finding quickly to space organizations and disaster reduction organizations in the victim country. The system that uses the earth observation satellite “Daichi” (ALOS) launched in January 2006 by JAXA started its service formally from October in the year. In November 2007, Indian Space Research Organization (ISRO) joined in the satellite imagery presenting organization.

ADRC serves as the contact when an emergency observation is required in the event of disaster. Upon receipt of request for emergency observation, ADRC evaluates whether it is acceptable or not depending on the scale, status, etc. of disaster, and requests an observation to the observation organizations (JAXA and ISRO, as of March 2008).

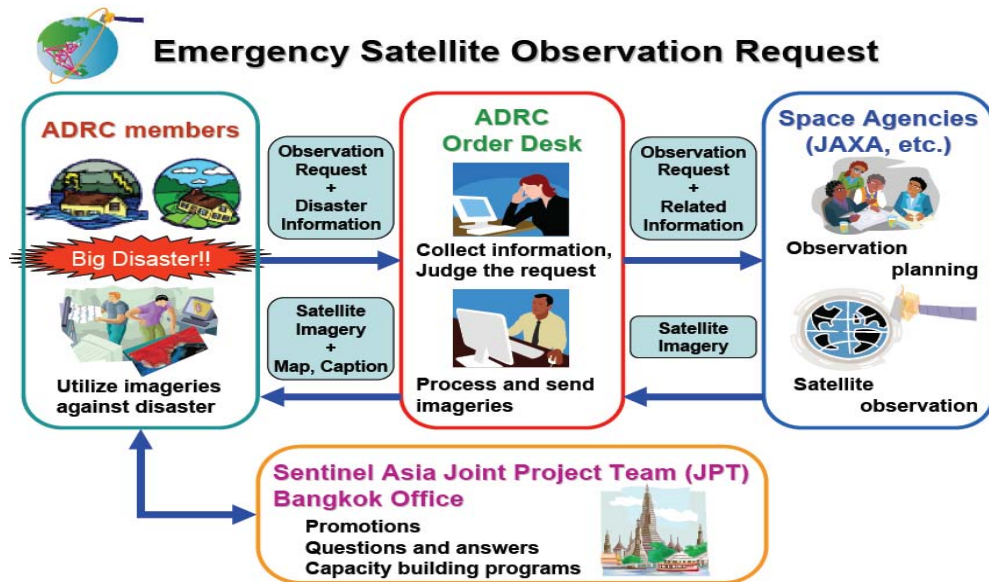


Fig.2-9-2 Flow of the emergency satellite observation request

Emergency satellite observation requests accepted by ADRC in the year 2007 are as listed below. It shows most of damages were caused by flood and earthquake.

Countries:

Stricken country	Accepted by JAXA		Rejected by JAXA	Rejected by ADRC
	Emergency satellite observation	Adapted within plan		
Indonesia	3	2		2
Bangladesh	1 (Note 1)	2		
Vietnam		2		
Solomon Islands (Note 2)	1			
Nepal		1		
Tajikistan	1 (Note 3)			
Pakistan		1		
India	1 (Note 1)			
Thailand		1		1
Philippines				1
Nepal				1
Total	6	9	0	5

(Note 1) Both countries requested the emergency relief for the same disaster (cyclone).

(Note 2) Requested by Australia.

(Note 3) Emergency satellite observation was made by AVNIR-2 only. PARSAR adapted within the plan.

Kinds of disaster:

Stricken country	Accepted by JAXA		Rejected by JAXA	Rejected by ADRC
	Emergency satellite observation	Adapted within plan		
Flood damage (Flood, flash flood, slope failure)	1	7		1
Snow damage (Dzud)		1		
Tropical depression (Typhoon, cyclone)	1			1
Earthquake/tsunami	4			1
Volcanic eruption		1		1
Forest fire				1
Total	6	9	0	5

Table 2-9-3 Request for emergency satellite observation in 2007