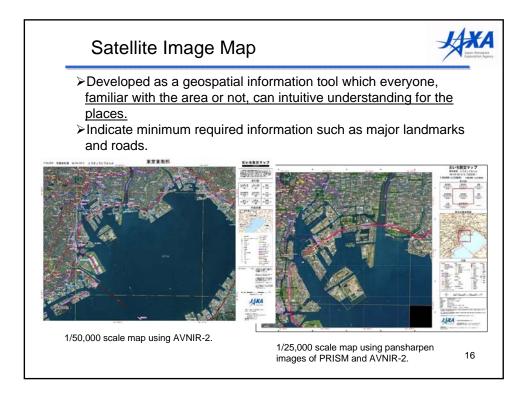
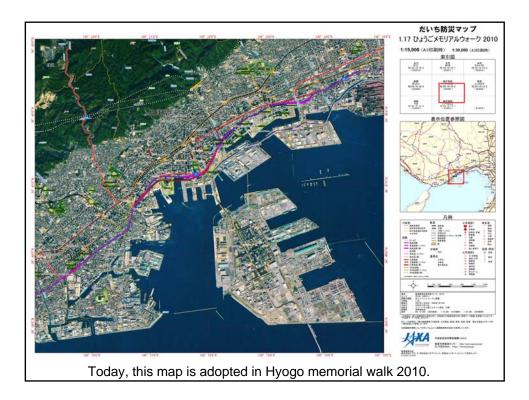


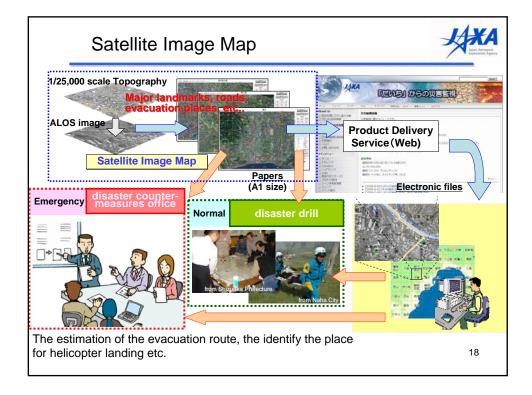
(Jan 2009 – Oct 2009)						
Country Frequency Disaster Type						
Indonesia	5	Earthquake (3), Flood (2)				
Australia	4	Flood (1), Wildfire(1), Oil Spill (2)				
USA	4	Flood (4)				
Vietnam	3	Flood (1), Typhoon(2)				
Italy	3	Earthquake (1),Wildfire(2)				
Philippines	3	Flood (2),Typhoon(1)				
Nepal	2	Flood (2)				
Other Countries	25	Flood (8), Earthquake (2),Tsunami (1), Volcano (4), Typhoon/Cyclone(3), Wildfire(5),Other(2)				
Total	49	Flood (12), Earthquake (6),Tsunami (1), Oil Spill (1), Volcano (3), Typhoon/Cyclone (5),Wildfire(7), Other(2)				

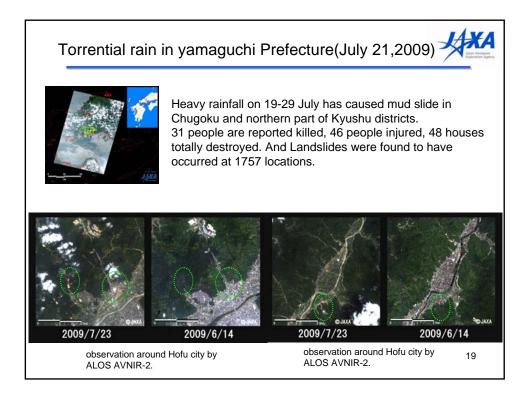
(Jan 2009 – Oct 2009)						
	Date	Disaster Type				
1	2009/4/9	Sakurajima Island	Volcanic Eruptior			
2	2009/7/7	Wakayama Pref.	Flood Flood, Landslide Flood			
3	2009/7/21	Chugoku and Kyushu districts				
4	2009/7/28	Wakayama Pref.				
5	2009/8/10	Sizuoka Pref.	Earthquake			
6	2009/8/27	Ishigakijima Island	Driftwood			
7	2009/8/31	Chiba Pref.	Flood			
8	2009/9/18	Mie Pref.	Flood, Landslide			
9	2009/10/7	Wakayama Pref.	Flood			
10	2009/10/9	Gifu Pref.	Flood			

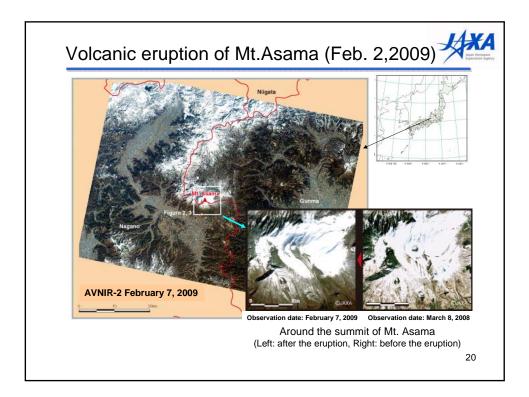
	Activities	Theme	Disaster Management Partners			
1	Satellite image map	-Preparation of "common geographical information" based on the standard maps and satellite images, in conjunction with the needs of disaster-operation organizations.	Cabinet Office, NPA (Police), FDMA (Fire), MOD (Defense), GSI (Geography), NIED (Disaster)			
2	Emergency Observation	-Accept emergency observation request and observe disaster afflicted area by ALOS, and provides satellites imagery.	Cabinet Office, Local Government , Japan Coast Guard,etc			
3	Volcanic activity monitoring (WG)	 Investigation of satellite data applicability on volcano surveillance, through ALOS observation of Japanese major volcanoes. Inclusion of satellite data as one of the standard measures of regular volcano surveillance. 	CCPVE(Coordinating Committee for Prediction of Volcanic Eruptions) organized by Japan Meteorological Agency (JMA))			
4	Earthquake monitoring (WG)	-Investigation of satellite data applicability on ground distortion monitoring before and /or after earthquake.	H.q. for Earthquake Research promotion , be consist of GSI, AIST(Industrial), NIED, ERI(academia)			
5	Flood /Landslide monitoring (WG)	- Investigation of satellite data applicability on landslide and flood.	National Institute for Land and Infrastructure Management,etc.			











Volcanic eruption of Mt.Asama (Feb. 2,2009)

The part enclosed by the red frame is the place that appeared to be covered with volcanic ash. The area southeast of the crater looks gray with volcanic ash.

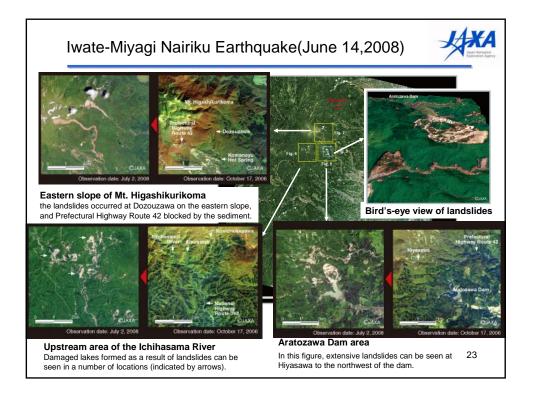
The part within the yellow circle is the shade created by the smoke from the crater.

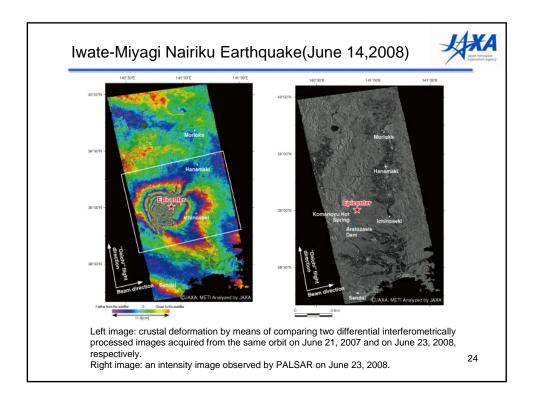


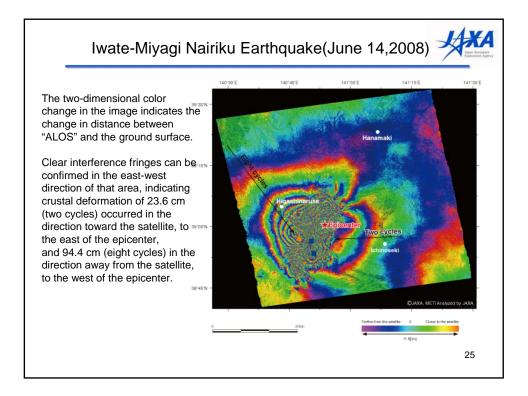
Observation date: February 7, 2009

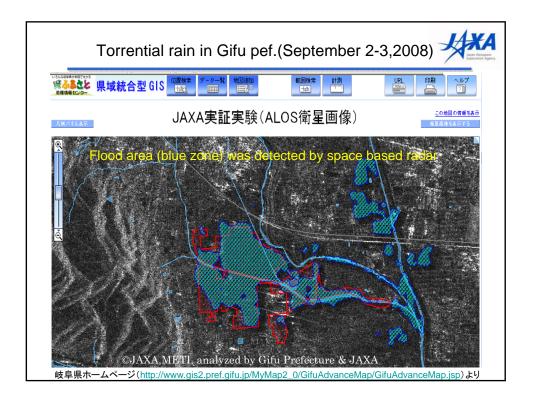
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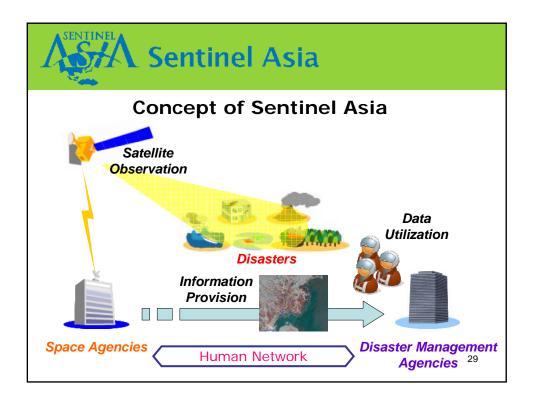


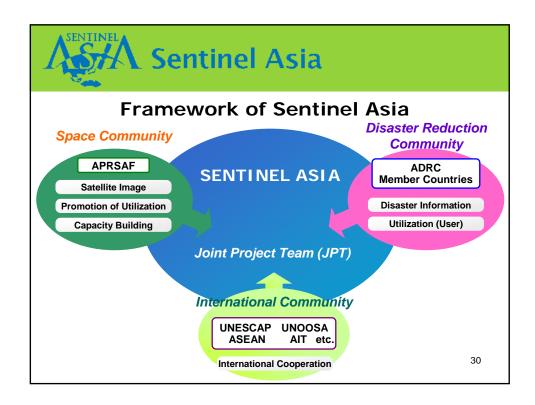














members

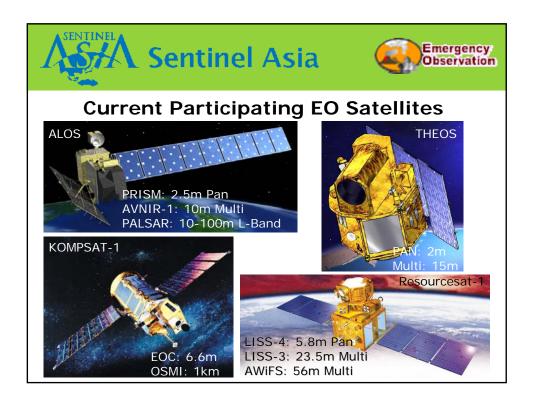
Members of Sentinel Asia

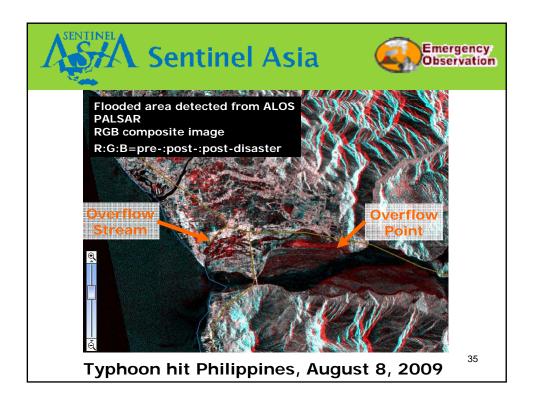
Sentinel Asia organizes Joint Project Team (JPT), and JPT consists of <u>65 organizations</u> including <u>56 agencies from 22</u> <u>countries</u> and <u>9 international organizations</u>. Also, Sentinel Asia cooperates with <u>ADRC</u> and <u>their members</u> (28 Member Countries, 5 Advisor Countries, 1 Observer) closely, and they are also member of Sentinel Asia as well.

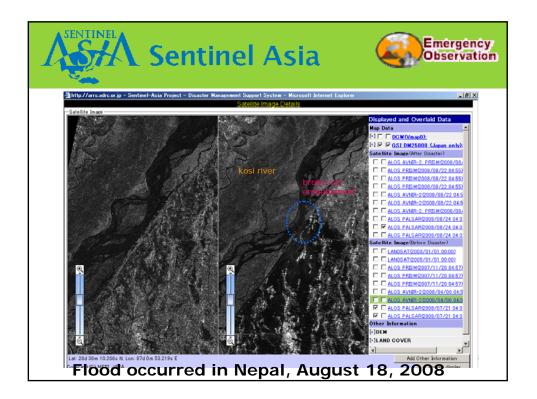
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Latest List of Emergency Observation							1	
Emergency Obs. R			or gen			n rat		
Country: ALL	🗾 Di	saster Type: ALI			Search			
Emergency Obs. ID	Occurrence Date (UTC)	Country	Disaster Type	Status	Product	WEB-GIS	Detail	Disaster Inf
ERNPSD000002	2009/10/06	Nepal	Flood	Active	N	Ø	link	ADRC
ERPHVS000004	2009/10/04	Philippines	Flood	Active	N	Ø	link	ADRC
ERIDLP000014	2009/09/30	Indonesia	Earthquake	Active	N	Ø	link	ADRC
ERVNMN000005	2009/09/26	Vietnam	Flood	Active	N	Ø	link	ADRC
ERPHVS000003	2009/09/26	Philippines	Flood	Active	N	Ø	link	ADRC
ERIDLP000013	2009/09/02	Indonesia	Earthquake	Active	N	Ø	link	ADRC
ERNPSD000001	2009/08/18	Nepal	Flood	Active	N	Ø	link	ADRC
ERPHVS000002	2009/08/08	Philippines	Typhoon	Active	N	Ø	link	ADRC
ERVNMN000004	2009/07/07	Vietnam	Flood	Active	N	Ø	link	ADRC
ERIDLP000011	2009/03/27	Indonesia	Flood	Active	N	Ø	link	ADRC
ERAUGA000004	2009/03/11	Australia	Typhoon	Active	A .	0	link	ADRC









Dear sir/Madame

The field of work for Ministry of Water Resources (MOWR), Nepal is water, energy (Electricity) and water induced disaster management. Department of Water Induced Disaster Prevention (DWIP) is responsible for the implementation of field activities related to disaster management. MOWR is responsible for formulation of policy, making of programs, monitoring of activities etc in the sector. We had a big disaster caused by breaching of left embankment of Koshi. It caused great loss to Nepal and India. Sentinel Asia helped us very much by provide satellite pictures and data and other relevant materials. You have also provided much needed information in your web site. I, as a focal person from MOWR Nepal, would like to thank your team for helping us to address the mega-

disaster. The coffer dam for diversion of Koshi River to original course has just been completed and rehabilitation and strengthening of the embankment

is also in progress and is expected to be completed by March 2009. We would like your continuous monitoring and cooperation in future, too. We would also like to open communication with you. Please inform us about activities

/events/developments that are related to us. Thanking you again for your kind cooperation.

Shital Babu Regmee Joint Secretary Ministry of Water Resources Singha Durbar, Kathmandu, Nepal



