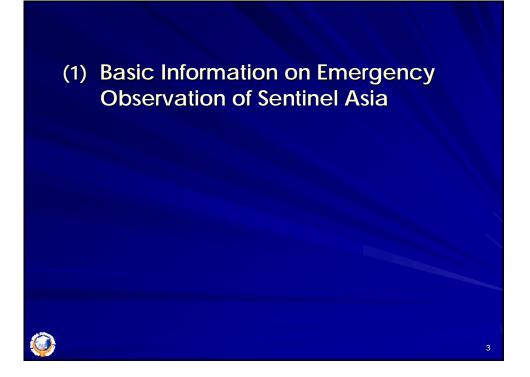


Kenpei Kojika Asian Disaster Reduction Center ACDR2007, 25-27 June 2007, Kazakhstan

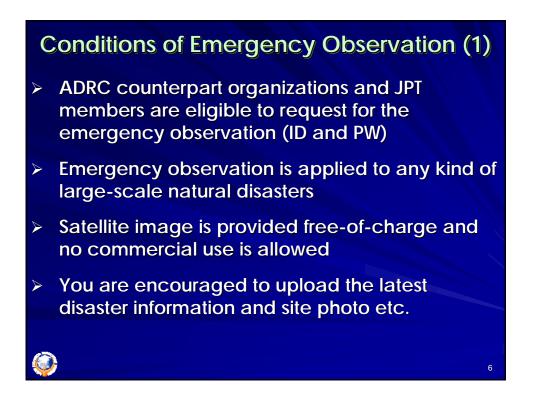
CONTENTS

- (1) Basic Information on Emergency Observation of Sentinel Asia
- (2) Approach and Procedure to Make Emergency Observation Request
- (3) Site Photo Upload and Contribution to Web Forum
- (4) Key Words for the Success of Sentinel Asia for Disaster Reduction







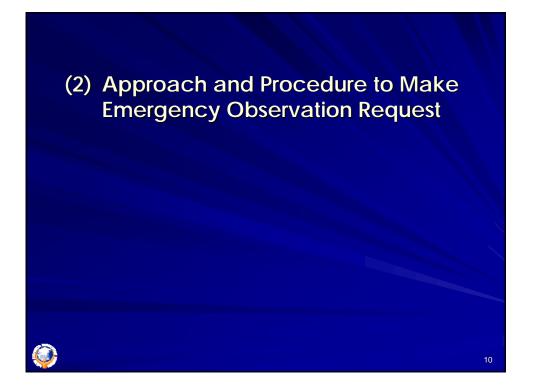




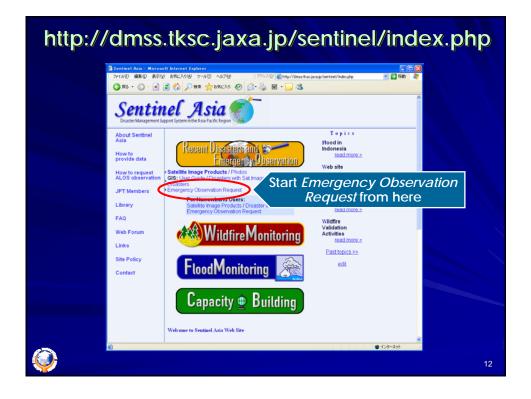
- It is a voluntary and best-effort system, so that the request may not always be accepted
- It may take time from request to data dissemination due to the position of satellite, weather condition as well as data processing
- Request by web, email and fax is available 24 hours but telephone is only answered in working time

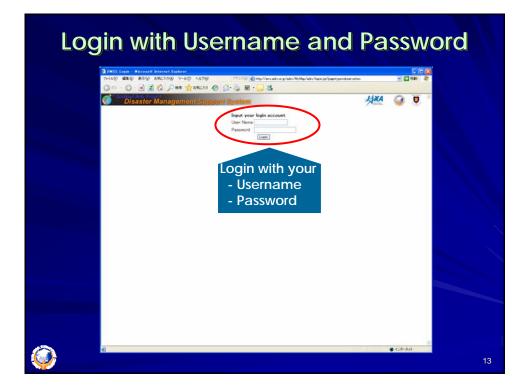


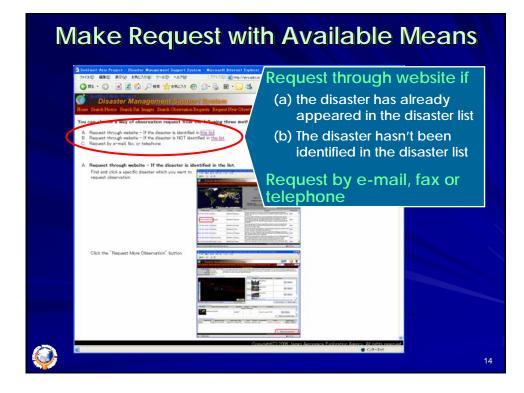
Emergency Observation Activities (from October 24, 2006 -)							
No.	Request			Ассер	Observation		Remarks
	Date	Institution	Disaster	tance	Date	Sensor	Remarks
1			Mudslide (12/1, Philippines)	Yes	2006/12/3 2006/12/5	AVNIR-2	Observed because extensive damage
2	2007/2/5	LAPAN, Indonesia	Flood (2/3)	Yes	2007/1/3 2007/2/5	PALSAR	
3	2007/3/6	LAPAN, Indonesia	Earthquake (3/6)	Yes	2007/3/7	AVNIR-2	
4	2007/4/2	ACRES, Australia	Earthquake (tsunami, 4/2, Solomon Islands)	Yes	2007/4/7	AVNIR-2	
5	2007/5/17	GISTDA, Thailand	Heavy rainfall	No			No damage reported and sever damage could not be foreseer
6	2007/5/30	DEIDP, Nepal	Snowstorm (5/27)	Yes	2007/5/27 2007/6/1	AVNIR-2	
)						9



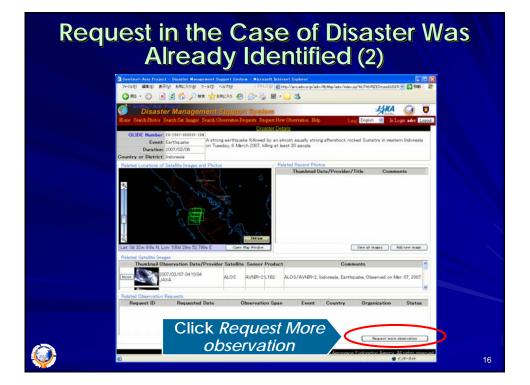


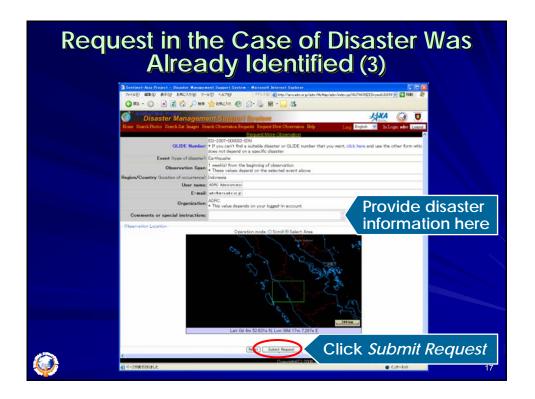






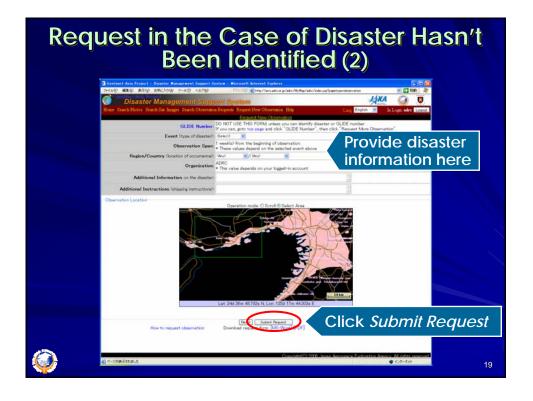


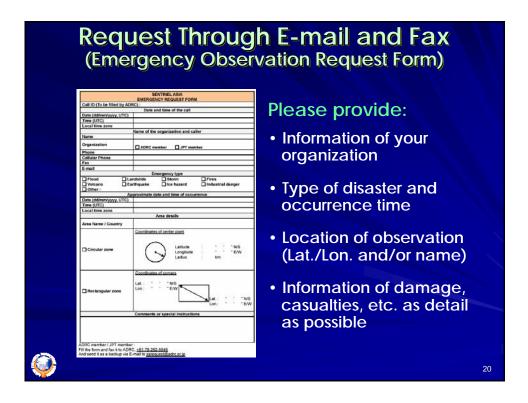


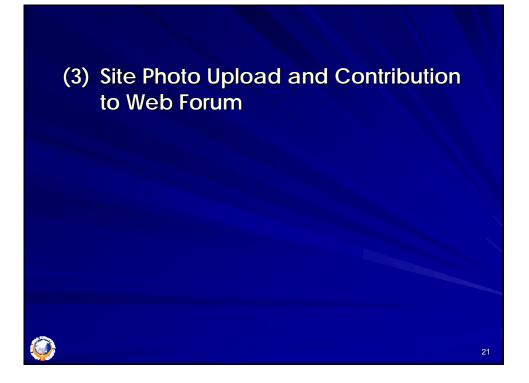


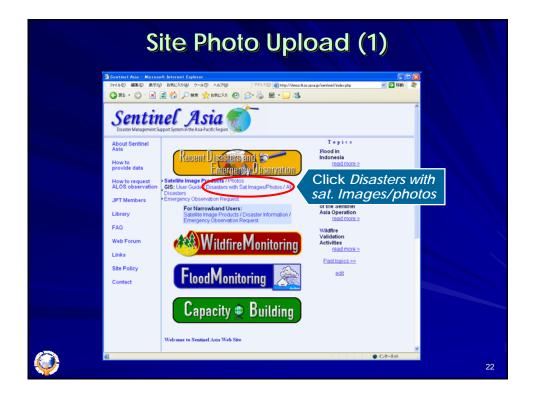










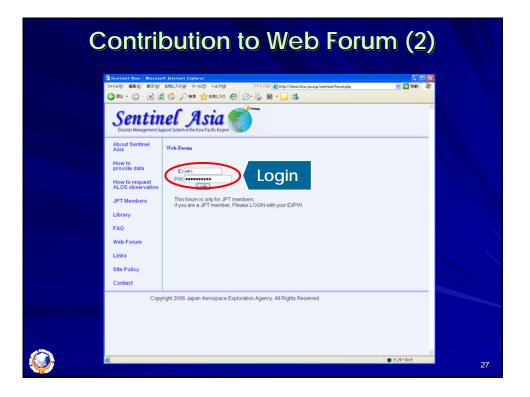


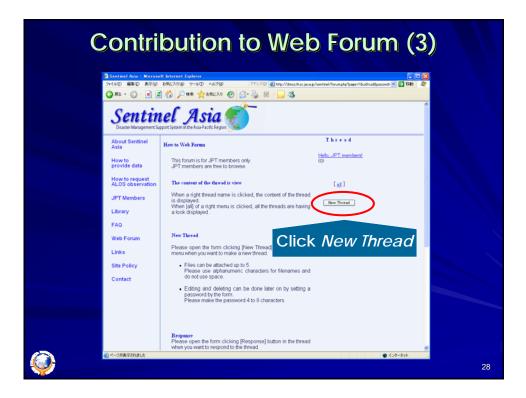
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(E0-2007-800030-10W Earth.	Cli	ndonesia ndonesia	GLIDE Numb more an making in landsfore on the Johonsian stand of Proves, officials have said On Federup 2003, Undidise nargered by torrential rain hit has glaces on Indonesia's main Jose tabled over the weekend, leaving eight	ber	0 ADRC	
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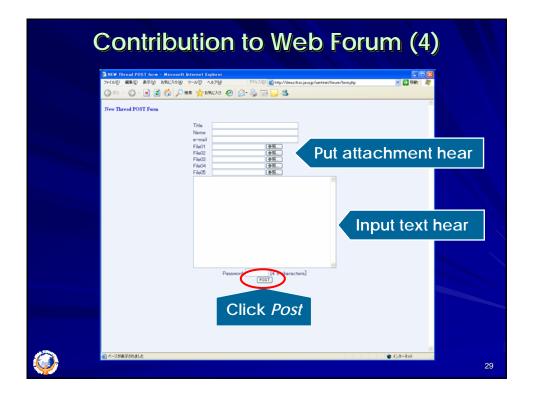


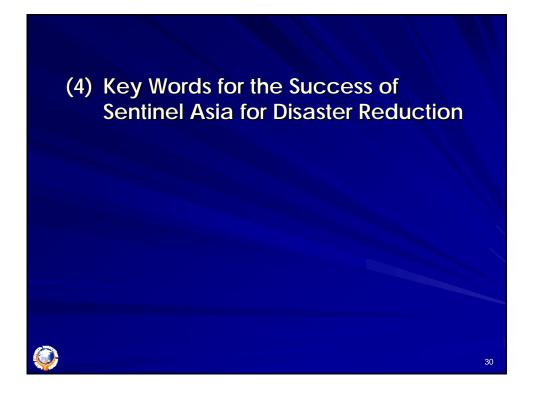
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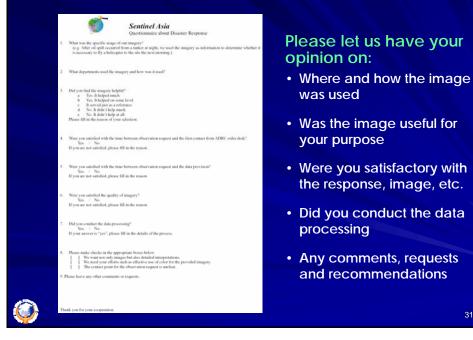








Questionnaire on Emergency Observation



	Responses to the Questionnaire							
No.	Ouestionnaire	Response						
NO.	Questionnalle	No.1	No.2					
1	What was the specific way of data use?	The data was intended to enable a preliminary assessment of the extent of damage	The local government has used the image among other to see the affected/damaged areas					
2	What departments used the image Space and Disaster Management and how is it used? Agencies		Government institutions and Universities Mass media website					
3	Did you find the data helpful?	It served just as a reference. The extent of damage was difficult to evaluate from the imagery	It helped much for Flood and on some level for earthquake					
4	Are you satisfied with the time between your observation request and the first contact from ADRC?	Yes. The service provided was excellent	Yes					
5	Are you satisfied with the time between your observation request and the data provision?	Yes	Yes					
6	Are you satisfied with the quality of images?	Yes. Cloud cover made the initial AVNIR2 unsuitable but subsequent PALSAR and AVNIR2 provided a satisfactory coverage	Not really. Because the spatial resolution is too coarse to see the affected/damaged areas					
7	Did you conduct the data processing?	No	Yes, such as adding the administrative boundaries, cities, latitude-longitude, etc					
8	Please make checks in the appropriate boxes below	We wanted not only images but also detailed interpretations	We wanted not only images but also detailed interpretations. We prefer more efforts such as effective use of color.					
9	Please leave any comments or requests		Our request for the data format is at least GeoTiff					
Q	32							

33

Key Words for the Success of Sentinel Asia (1)

- Providing comprehensive disaster information, e.g. disaster monitoring and damage assessment making use of remote sensing technology and local GIS data, to meet different requirements in decision-making for prevention, emergency response and reconstruction
- Combining with communication technology for real-time disaster information sharing bi- and/or multi-directionally between data providers and end users
- Cooperating with other initiatives, such as International Charter, to extend and enhance its capability



35

SUMMARY

- Sentinel-Asia is an internet-based Web-GIS platform providing integrated disaster information, wildfire and flood monitoring and emergency observation after a large-scale disaster for both ADRC member countries and JPT participants based on the best-effort and voluntary initiatives
- It could be used for different purposes for disaster management especially when it is combined with local GIS and social information. Its function could be further extended and enhanced in the future

