



GISTDA 2016 DPN REPORT

7th – 8th March 2017, Sentinel Asia Node Meeting, JPTM Meeting

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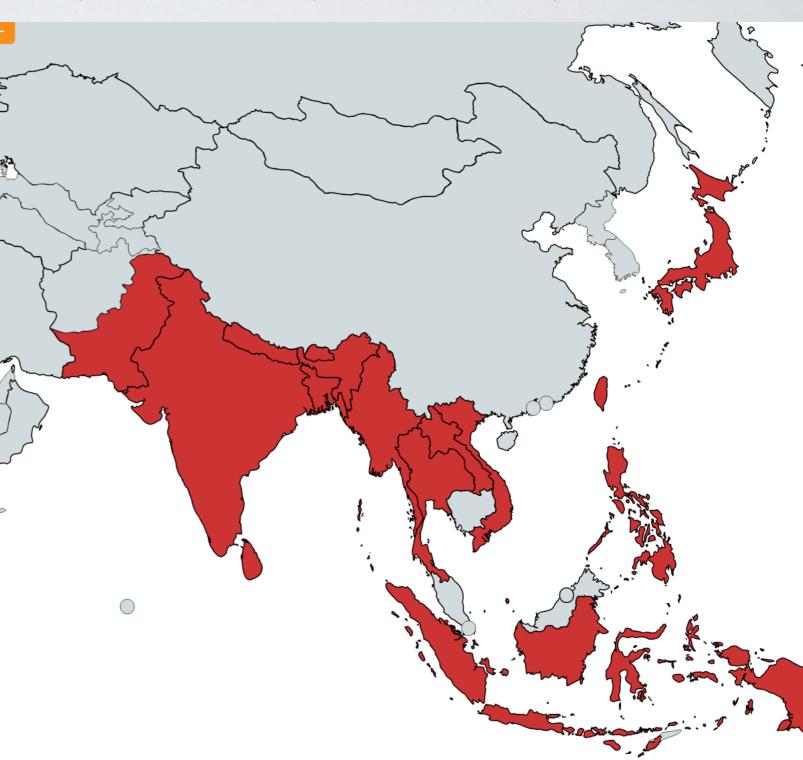


GISTDA DPN SUMMARIZE REPORT FOR SENTINEL ASIA YEAR 2016

Fact and Figures				
Delivered satellite data	25			
Countries With Disasters	14			
kind of disaster	7			
Number of Multispectral Images	231			
Number of Panchromatic Images	915			
Mapping data	2			

Time	During	Country	Disaster	MSS	PAN	ı
1	09/02/2016	Taiwan	Earth Quake	10	34	1
2	26/02/2016	FIJI	Cycyone Winston	6	70	1
3	29/02/2016	Fiji	Cycyone Winston	8	72	1
4	15/03/2016	Indonesia	Flood	4	14	1
5	16/03/2016	Indonesia	Flood	6	16	ı
6	04/04/2016	Philippines	Forest fire	6	17	1
7	04/04/2016	Taiwan	oil spill	4	20	ı
8	11/04/2016	Pakistan	Landslide	10	40	L
9	18/04/2016	Japan	Earthquak	20	71	ı
10	19/05/2016	Sri Lanka	Flood	20	67	1
11	22/05/2016	Sri Lanka	Flood	20	54	1
12	25/05/2016	Bangladesh	Flood	7	67	ı
13	27/05/2016	Indonesia	Volcano eruption	4	10	ŀ
14	27/06/2016	Indonesia	Landslide	12	48	1
15	11/07/2016	Nepal	Flood	4	8	ı
16	11/07/2016	Taiwan	Typhoon	8	32	ł
17	04/08/2016	Bangladesh	Flood	16	52	ı
18	05/08/2016	Bhutan	Flood	6	23	ł
19	11/08/2016	MMR	Flood	14	38	1
20	26/08/2016	MMR	Erthquake	0	0	l
21	26/08/2016	LAOS	Flood	7	29	1
22	29/08/2016	INDIA	Flood	20	70	1
23	29/09/2016	Indonesia	Flood	3	21	1
24	19/10/2016	Vietnam	Flood	12	30	
25	30/12/2016	Philippine	Flood	4	12	1
รวม		14 ประเทศ	7 ภัยพิบัติ	231	915	•
					Y	

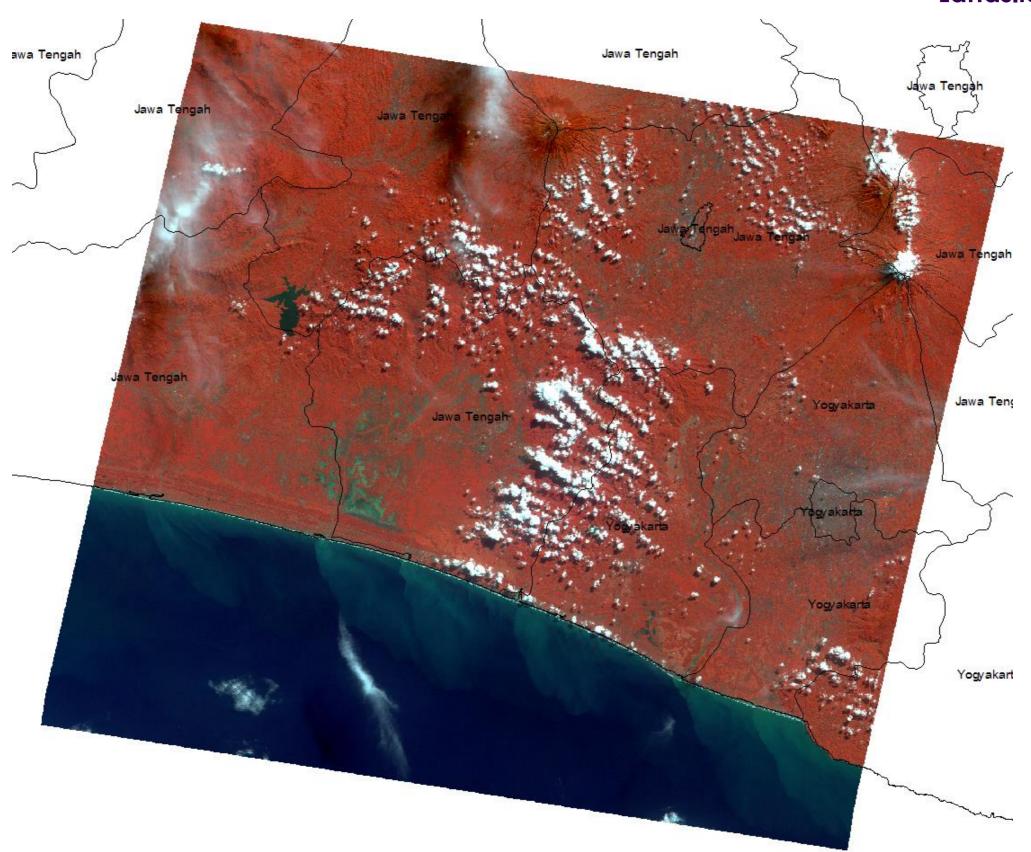
- Images from THEOS was provided for 25 requests among 14 countries.
- Average time from Request to standard product delivery is around 3 days.







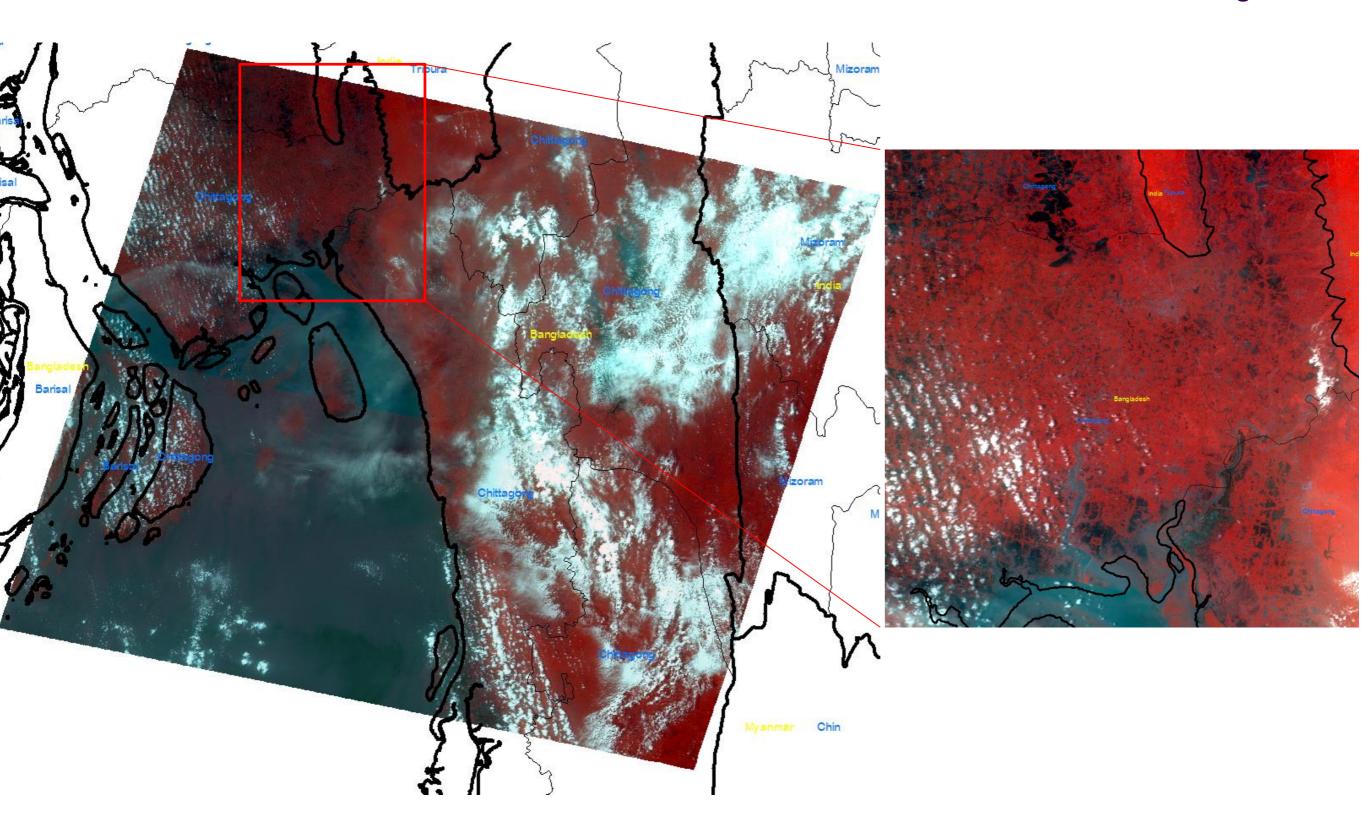
Landslide in Indonesia







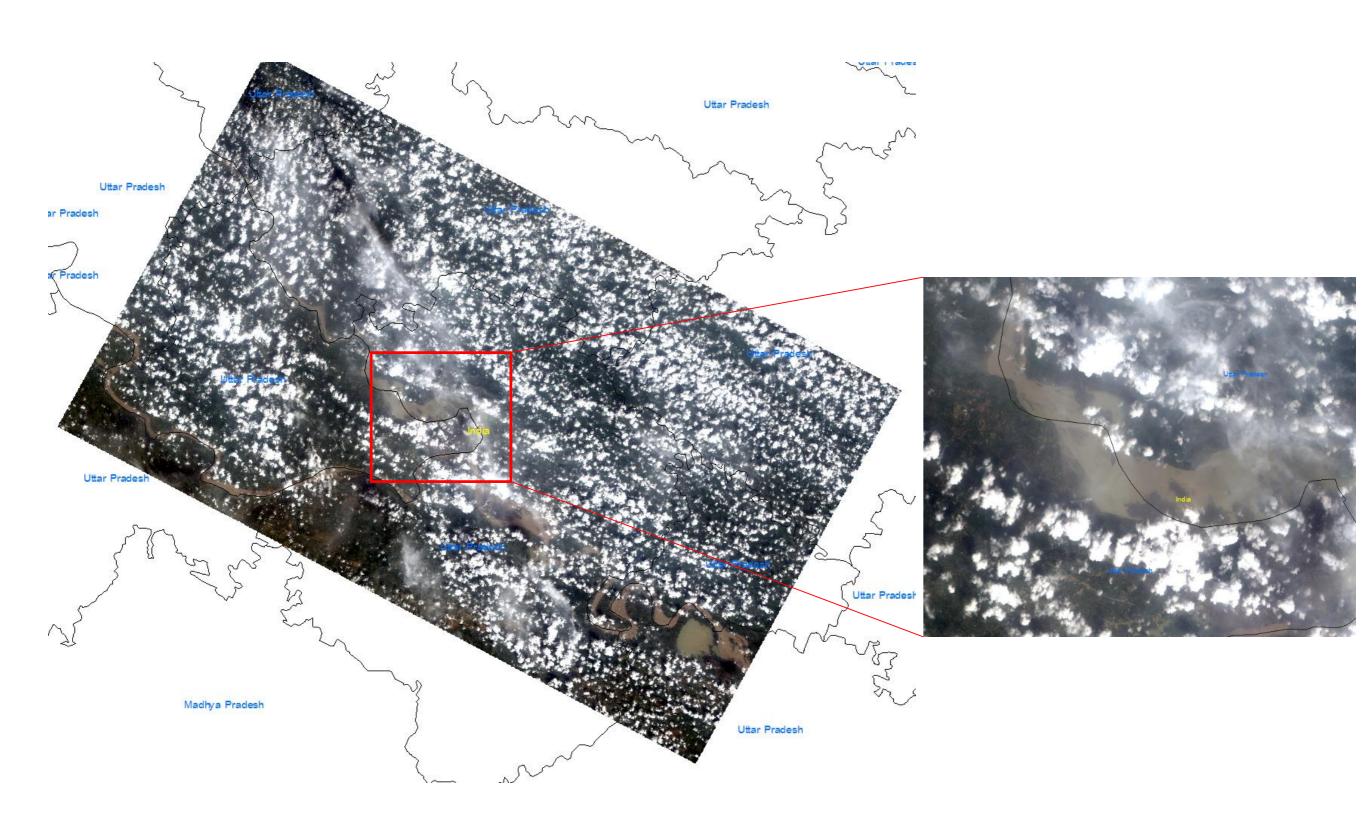
Flood in Bangaladish







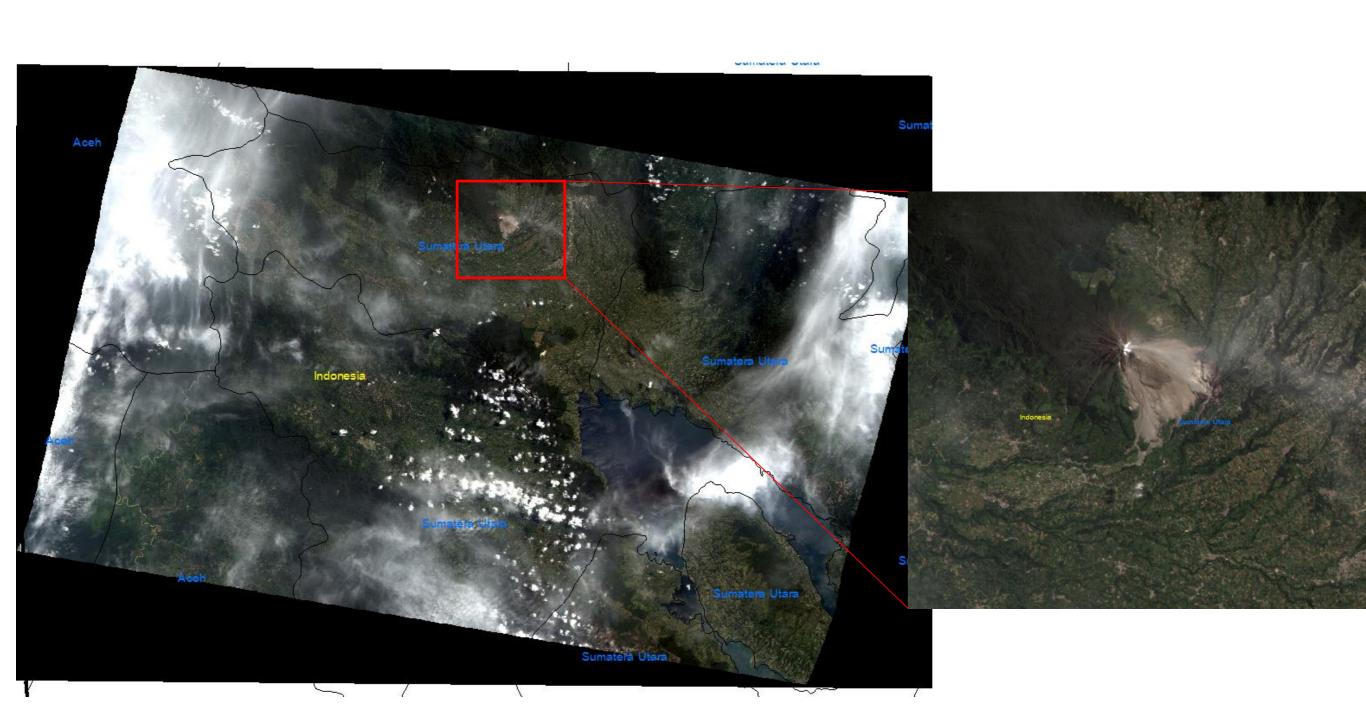
Flood in India







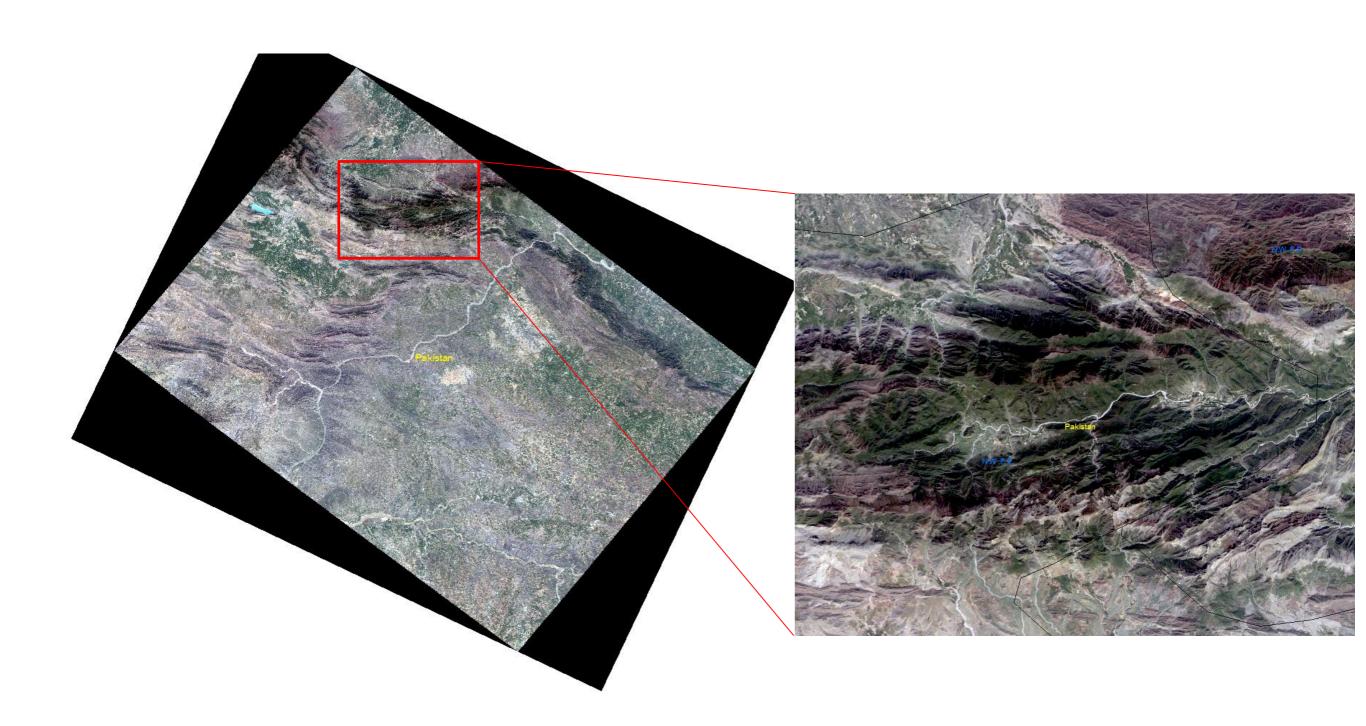
Volcano Eruption in Indonesia







Landslide Pakistan



Nepartark Typhoon, Taiwan (July 2016)

Before Disaster



20151202 FORMOSAT-2 Archive Image



20160710 THEOS Image

Nepartark Typhoon, Taiwan (July 2016) Taitung, Hualian (Flash flood in Hsiukuluan river, Yuli big bridge)

Before Disaster



20160416 FORMOSAT-2 Archive Image

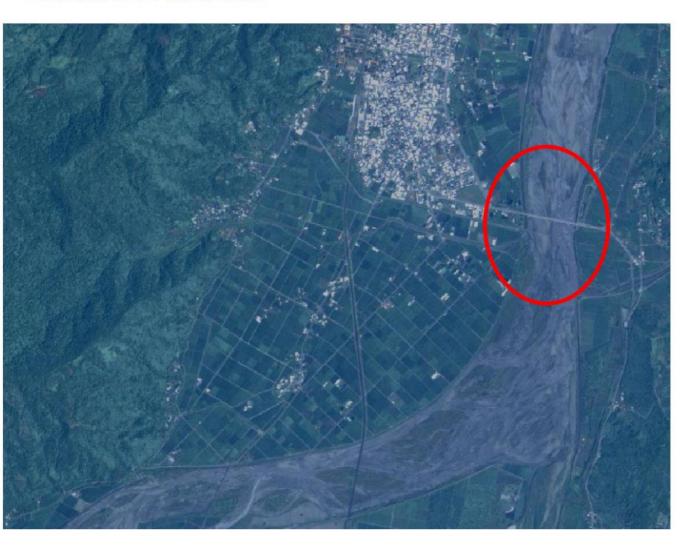
After Disaster



20160713 THEOS Image

Nepartark Typhoon, Taiwan (July 2016) Taitung, Hualian (Flash flood in Hsiukuluan river, Yuli big bridge)

Before Disaster



20160416 FORMOSAT-2 Archive Image

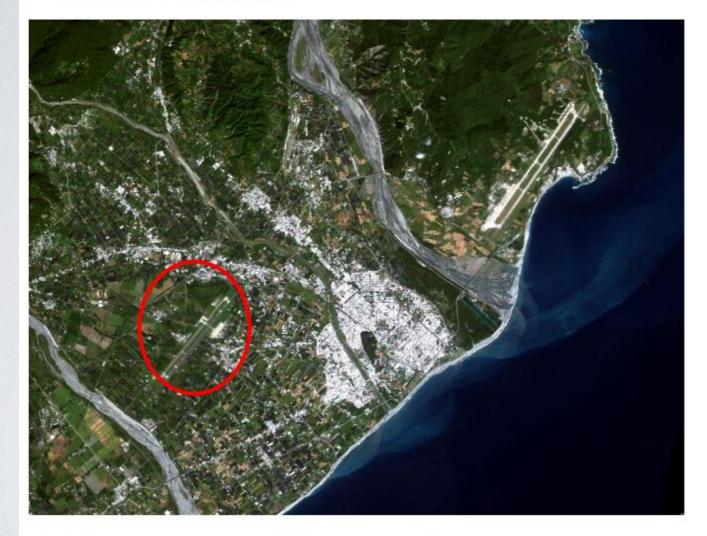
After Disaster



20160713 THEOS Image

Nepartark Typhoon, Taiwan (July 2016) Taitung, Hualian (downtown and airport)

Before Disaster



20151116 FORMOSAT-2 Archive Image

After Disaster



20160713 THEOS Image

Nepartark Typhoon, Taiwan (July 2016)



20160708 Nepartak Typhoon damage detection by THEOS-1 image

Image Credit: Sentinel Asia
Analyzed: NSPO IPS



0708尼伯特颱風取像 2016.07.10

尼伯特颱風在2016年7月8日凌晨5時從臺東縣太麻里鄉登陸,於當日下午2時從臺南市將軍區出海。 而中央氣象局在7月6日先後發佈海/陸上颱風警報,所挾帶的強烈風雨使陸上警報持續至7月9日下 午才解除所有警報。

財團法人國家實驗研究院國家太空中心取得7月10日對事件範圍進行台灣東部影像初步判釋。

SUMMARIZE OF THAILAND FLOOD DISASTER

DURING 1 DEC 2016 - 25 JAN 2017

The approximate affected area: 2,240 km²

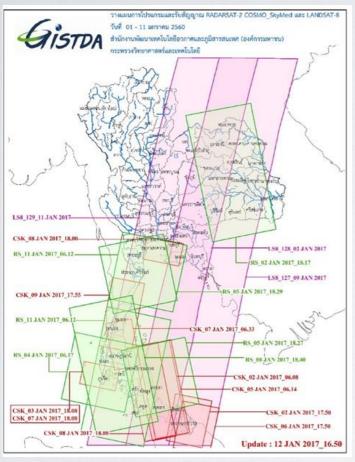


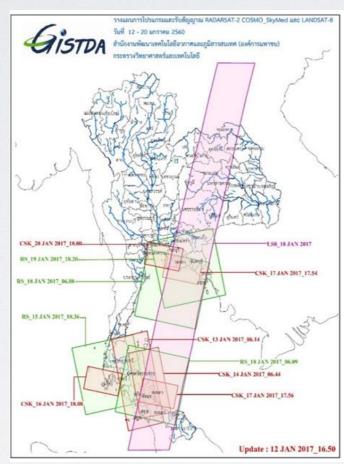
THE RECEIVING SATELLITE PROGRAM TO MONITORING THE FLOOD IN SOUTH OF THAILAND

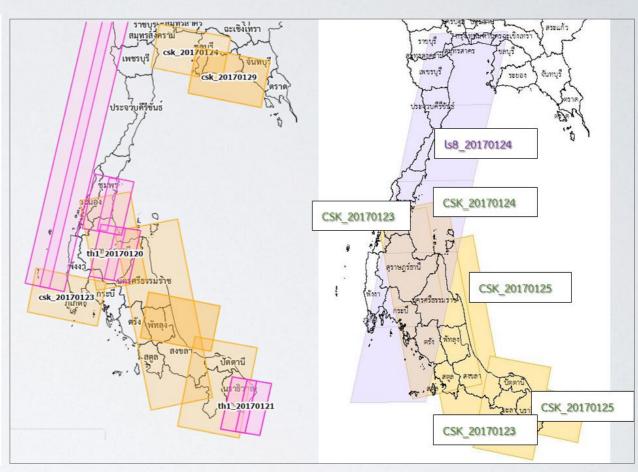
1 - 11 JAN 2017

12 - 20 JAN 2017

20 - 25 JAN 2017

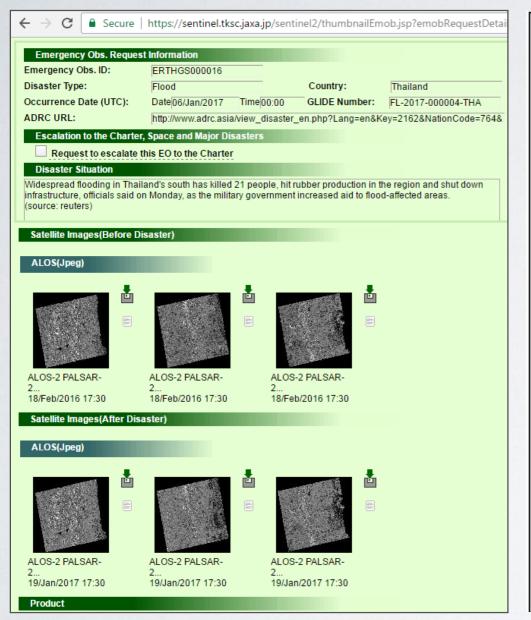


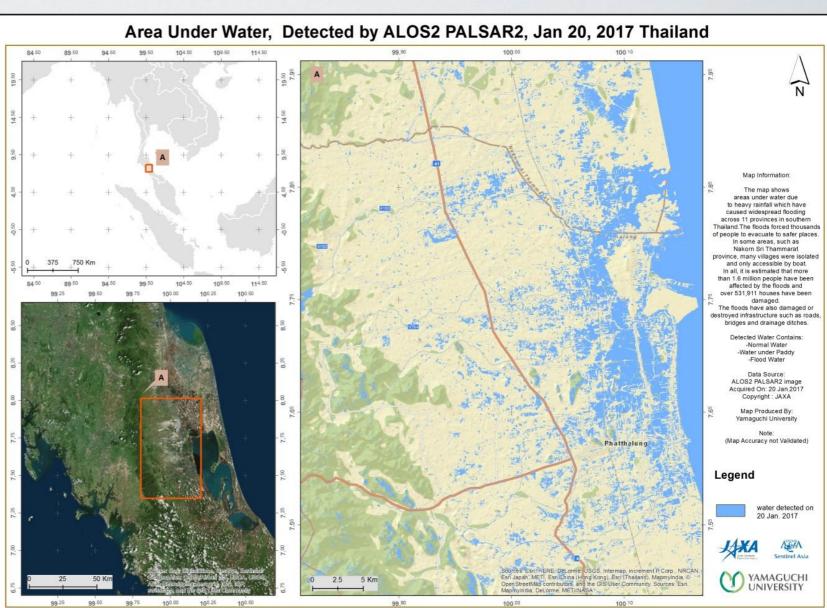




WIDESPREAD FLOODING IN THAILAND'S SOUTH

The example data from the Sentinel ASIA Project





Conclusion and Perspectives

- GISTDA is willingly to continue supporting Sentinel Asia as a DPN.
- GISTDA would like to propose, contribute and collaborate with SA members to improve and develop Sentinel Asia mechanisms to foster and promote the cooperation in accordance with the plan of SA.
- GISTDA would like to thanks SA community for their support during the flooding disaster in 2016.





DATA PROVISION - ONLINE SERVICES FRAMEWORK



