

REMOTE SENSING SUPPORT ON DISASTER EMERGENCY RESPONSE IN INDONESIA (2007-2017)



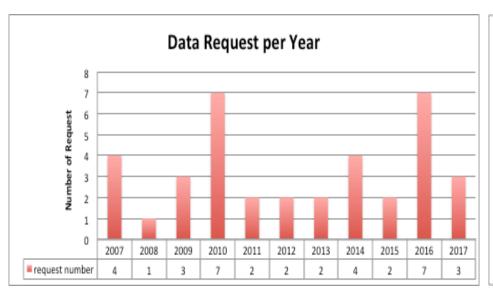


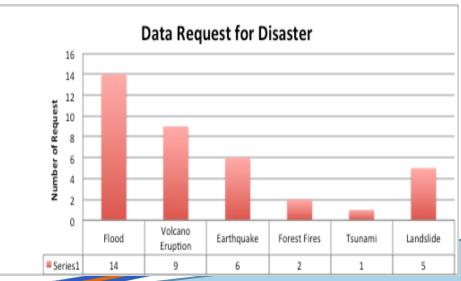
- LAPAN As JPT Member
- Remote Sensing Data Availability
- Disaster Emergency Response Products
- How To Distribute The Products
- Report on WINDS Antenna
- Summary



LAPAN AS A JPT MEMBER

- As Data Analysis Node (Since 2010)
- Many requests to Sentinel Asia
- Ten years records







Remote Sensing Data Availability

Low Resolution Image, >250 m

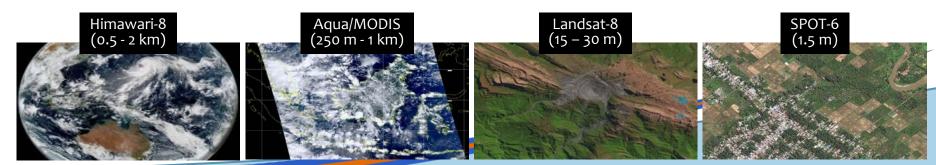
- Terra/Aqua
- SNPP
- NOAA-18/19
- MetOp
- Himawari-8

Medium Resolution Image, 15-30 m

- Landsat-7
- Landsat-8

High Resolution Image, < 1.5 m

- SPOT-6
- SPOT-7





Remote Sensing Data Availability















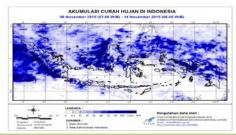
Remote Sensing Product on Disaster Management

Before

During

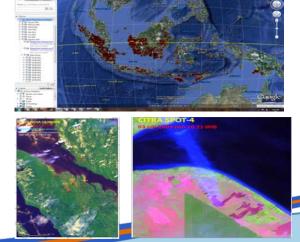
After

Early Warning

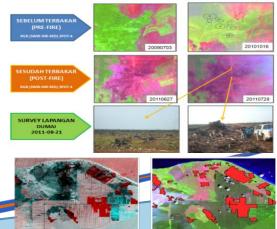




Monitoring

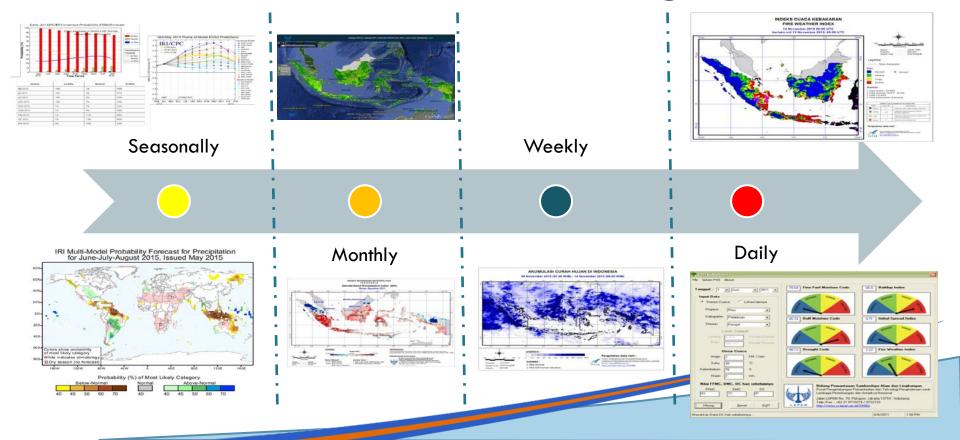


Mapping of the affected Area





Example of Warning System for Hidrometeorological Disaster





Emergency Response SOP

QRT menerima dan meng-edit DQR-02 sesuai

dengan arahan QCP.

ieh dari Internal LAPAN dicatat

STANDAR OPERASIONAL PROSEDUR

LANGKAH KE-7 INI DAPAT DIIKUTI DENGAN

RANGKA UNTUK MEMPEROLEH CITRA/DATA

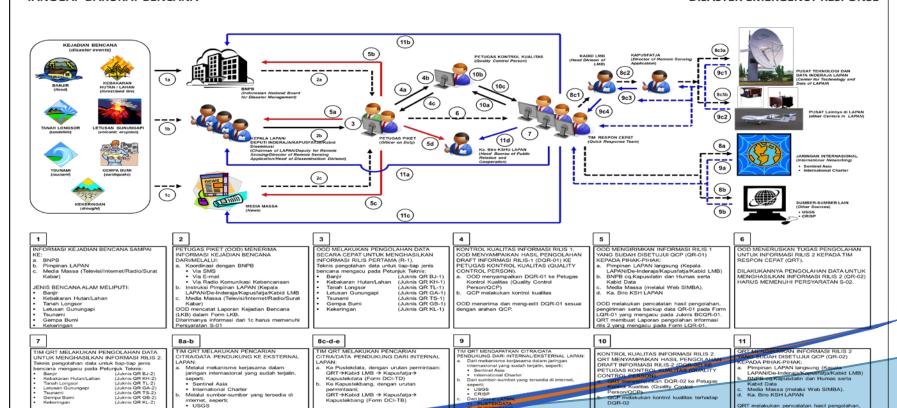
LANGKAH KE-8 DAN KE-9 (DILAKUKAN DALAM

STANDARD OPERATING PROCEDURES DISASTER EMERGENCY RESPONSE

pengiriman serta backup data QR-02 pada Form

LQR-02 yang mengacu pada Juknis BCQR-02.

QRT membuat laporan pengolahan informasi rilis 2 yang mengacu pada Form LQR-02.

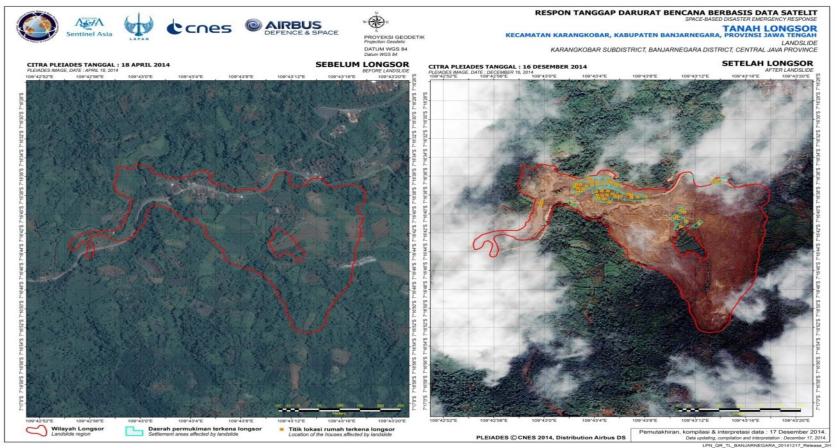


Jenis data/citra yang diperlukan-u

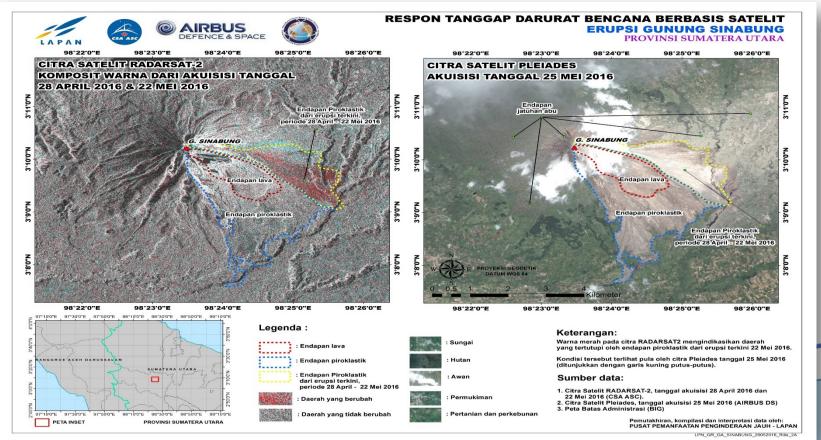
pencarian dicatat dala

Jenis data/citra yang diperlukan untuk dilakukan

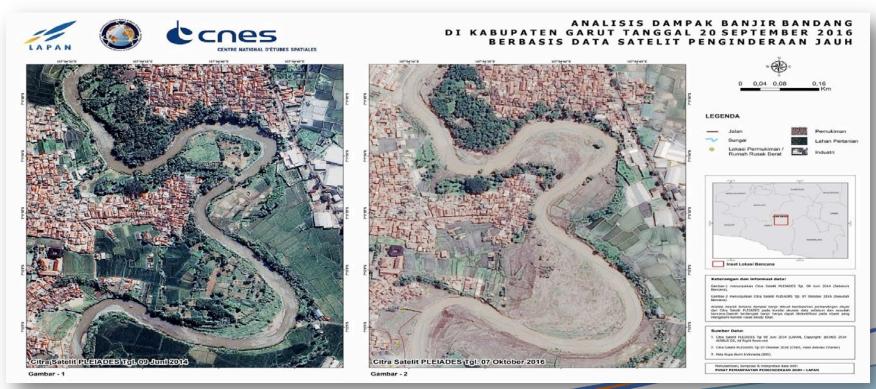












Pleiades (9 Jun 2014)

Pleiades (7 Okt 2016)



SPOT-6 (17 Maret 2015)

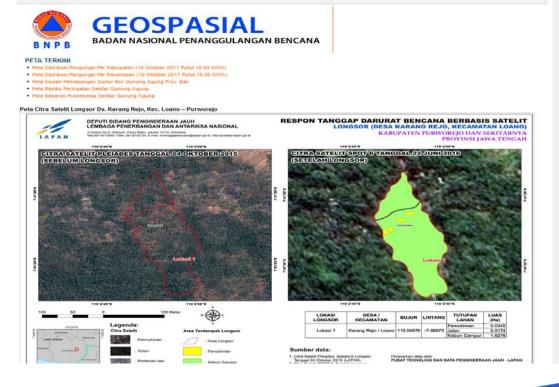
SPOT-6 (11 April 2017)

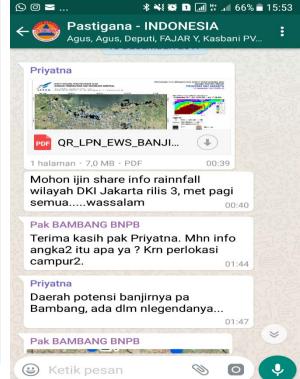






Point to Point Access







Android Accesss



Hotspot information is available:

- Within last 24 hours
- Within last 48 hours
- All Indonesia
- Each province
- All level of confidence (%)

Newspaper (online & printed)

Information dissemination to the public

Press conference with BNPB

News on TV media











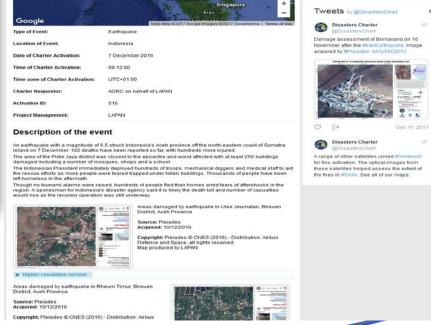








International Collaborations





Report on WINDS Antenna

No.	Unit Name	inspection date	inventory check		visual inspection		
			The number of units	Results ("OK" or "MISSING")	Results ("OK" or "NG")	Condition (If the result is "NG", Please write about the condition)	Remarks
1	1.8m Antenna	Nov. 20. 2015	1	ОК	ОК		Must be checking again, its OK or NG
2	BUC		1	ОК	ОК		Must be checking again, its OK or NG
3	LNC		1	ОК	ОК		Must be checking again, its OK or NG
4	IDU		1	MISSING	NG	Sign is still beep sound in RAM Memory	Must be checking again
5	Cable		1	ОК	ОК		Must be checking again, its OK or NG
6	Waveguide		1	ОК	ОК		Must be checking again, its OK or NG
7	IDU Monitor		1	ОК	ОК		Must be checking again, its OK or NG
8	IDU Keyboard		1	MISSING		damaged due to weather conditions and the elderly are	Must be checking again
9	IDU Mouse		1	MISSING		Sometime error, damaged due to weather conditions and the elderly are	Must be checking again









Summary

- LAPAN has many request on Data to Sentinel Asia
- As a DAN, Data Analysis have been done almost in Indonesia cases
- SOP on disaster emergency response has been implemented
- There are many strategies development for effective information distribution



Terima kasih atas perhatiannya

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