

## Summary Report of Sentinel Asia Project

GISTDA has collaboration with Japan Aerospace Exploring Agency (JAXA) under Sentinel Asia Project to cooperate and implement the international operation since 2009. The Sentinel Asia initiative is the collaboration between space and disaster management agencies (76 organizations from 25 countries & regions and 14 international organizations), applying space and geo-informatics technologies to support disaster management (i.e., floods, earthquakes, landslides, tsunamis, etc.) in the Asia-Pacific region, particularly to provide the data for emergency cases.

As a Data Provider Node (DPN), GISTDA has provided 219 satellite images, particularly THAICHOTE imagery for disaster management in 19 countries (Japan, Philippine, Nepal, Indonesia, India, Vietnam, Sri Lanka, Bhutan, Kazakhstan, Pakistan, China, Bangladesh, Taiwan, Brunei, Australia, Kyrgyzstan, Myanmar, Fiji and Malaysia). The table 1 shows the list of data providing for various countries.

Not only GISTDA provided satellite images for disaster management, GISTDA as a member of Sentinel Asia also

participated in the Joint Project Team Meeting (JPTM). This meeting provided the opportunity for GISTDA staffs to discuss and present disaster management projects (Table 2).

In 2013, GISTDA staff participated in Project Manager (PM) training at JAXA Bangkok Office. This training course has prepared the disaster coordinator for this project.

**Table 1 GISTDAs' list of data provided for various countries.**

Time	During	Country	Disaster	MSS	PAN	PS	Mosaic	Note
1	September 3, 2009	Indonesia	Earthquake	3	6	0	0	up load for ADRC (.JPG2000)
2	March 30, 2010	Indonesia	Flood	2	1	0	0	Pansharp up load for ADRC (.JPG2000)
3	August 9, 2010	India	Flood	0	2	0	0	up load for ADRC (.JPG2000)
4	October 8, 2010	Indonesia	Flood	4	0	0	0	up load for ADRC (.JPG2000)
5	December 10, 2010	Sri Lankla	Flood	2	5	0	0	up load for ADRC (.JPG2000)
6	January 4, 2011	Australia	Flood	1	0	0	0	up load for ADRC (.JPG2000)
7	January 24, 2011	Brunei	Flood	2	1	0	0	up load for ADRC (.JPG2000)
8	March 11, 2011	Japan	Quake & Tsunami	15	40	0	0	up load for ADRC & JAXA (GeoTiff) 55 Scene
9	March 29, 2011	Myanmar	Earthquake	1	1	0	0	up load for ADRC (.JPG2000) PSP
10	May 9, 2011	Indonesia	Flash Flood	0	0	8	0	up load for ADRC (.JPG2000) PSP
11	July 22, 2554	Kyrgyzstan	Flood	1	3	0	0	up load for ADRC (.JPG2000)
12	August 29, 2011	Taiwan	Flood	5	15	0	2	mosaic 2 Scene Ms+Pan
13	September 5, 2011	Japan	Flood& Landslide	2	5	0	2	mosaic 2 Scene Ms+Pan
14	September 17, 2011	Pakistan	Flood	19	0	0	0	up load for ADRC 19 Scene (.JPG2000)
15	October 4, 2011	Vietnam	Flood	9	14	0	0	up load for ADRC 23 Scene (.JPG2000)
16	December 5, 2011	Brunei	Flood	1	0	0	0	up load for ADRC 1 Scene (.JPG2000)
17	December 18, 2011	Philippines	Flood	0	0	4	0	up load for ADRC 4 Scene (.JPG2000)
18	January 26, 2012	Fiji	Flood	0	0	7	0	up load for ADRC 7 Scene (.JPG2000)
19	April 1, 2012	Kyrgyzstan	Flood	0	0	1	0	up load for ADRC 1 Scene (.JPG2000)
20	June 1, 2012	Kazakhstan	Fire	1	3	0	0	up load for ADRC
21	July 1, 2012	China	Flood	0	0	0	0	up load for ADRC

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22	July 7, 2012	Japan	Flood	0	0	0	0	up load for ADRC
23	July 24, 2012	China	Flood	0	0	0	0	up load for ADRC
24	August 13, 2012	Philippines	Flood	7	0	0	0	up load for ADRC
25	September 25, 2012	India	Flood	0	4	0	0	up load for ADRC
26	November 13, 2013	Philippines	Typhoon	75	100	20	4	up load for ADRC
27	March 26, 2014	Malaysia	Plane	0	1	0	0	up load for ADRC
28	October 20, 2014	India	Flood	3	0	0	0	up load for ADRC

Table 2 GISTDA participation in Joint Project Team Meeting (JPTM)

Time	Country	During	Participants
1.	Sri Lanka	22 - 26 February 2010	Mrs.Thirakan Chaikongthong Mrs.Phattaraporn Sangrawee
2.	Philippine	5 - 8 July 2010	Ms.Raveewan Nuchpramool Mrs.Phattarporn Sangrawee
3.	Nepal	28 February - 4 March 2011	Ms.Woranut Chansury
4.	Thailand	25 - 29 November 2013	Mr.Siam Lawawirojwong Ms.Wimon Pathtong Mr.Teansiri Moolchan