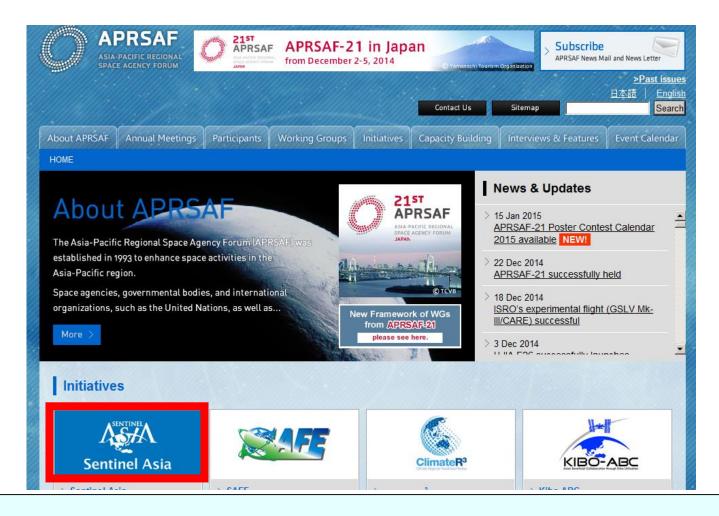


# Overview of Sentinel Asia including reports on JPTM2018Awaji and APRSAF

12 November 2019
Takanori MIYOSHI
Sentinel Asia Executive Secretariat

#### APRSAF and Sentinel Asia



#### Sentinel Asia

- Initiative under the Asia-Pacific Regional Space Agency Forum (APRSAF)
- > Established in accordance with the recommendation at APRSAF in Kitakyushu, Japan, co-hosted by MEXT/JAXA

### **Membership Status**

(As of 31 October 2019)

#### **Space Community**

**APRSAF** 

Satellite Image

**Promotion of Utilization** 

**Capacity Building** 

#### **SENTINEL ASIA**

94 organizations from 28 countries & regions and 16 international organizations
In total: 110 organizations

\*Two new members have joined since the last JPTM.

Joint Project Team (JPT)

#### International Community

UNESCAP, UNOOSA
ASEAN, AIT and
International Disaster Charter
etc.

**International Cooperation** 

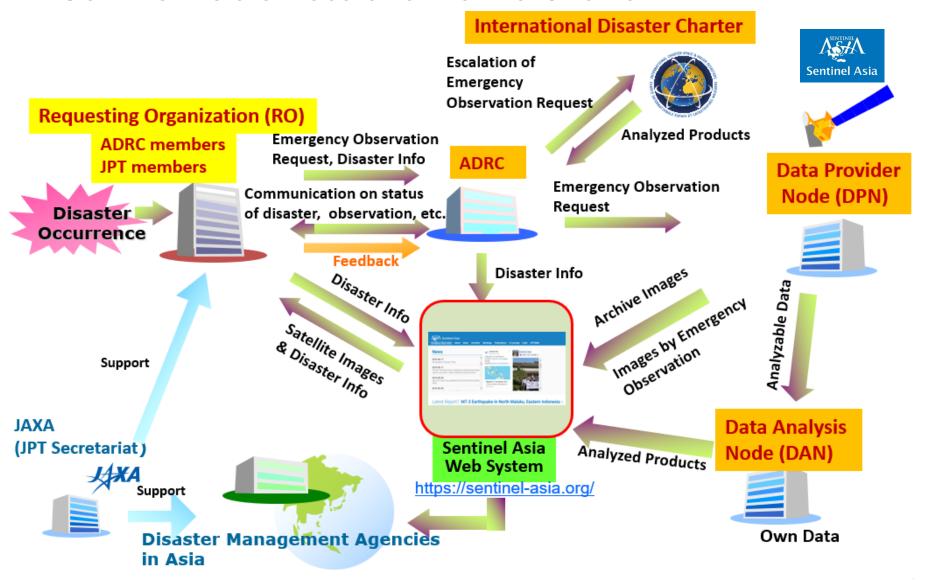
# Disaster Reduction Community

ADRC
Member Countries
(31 member countries)

**Disaster Information** 

**Utilization (User)** 

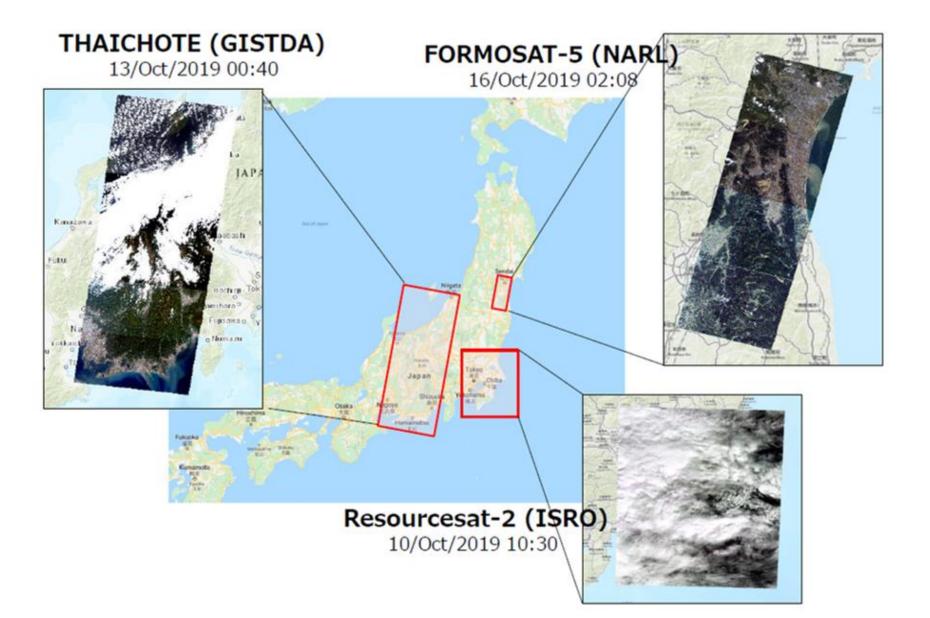
# Emergency Observation Cooperation between Sentinel Asia and the Charter "Sentinel Asia's Escalation to the Charter"



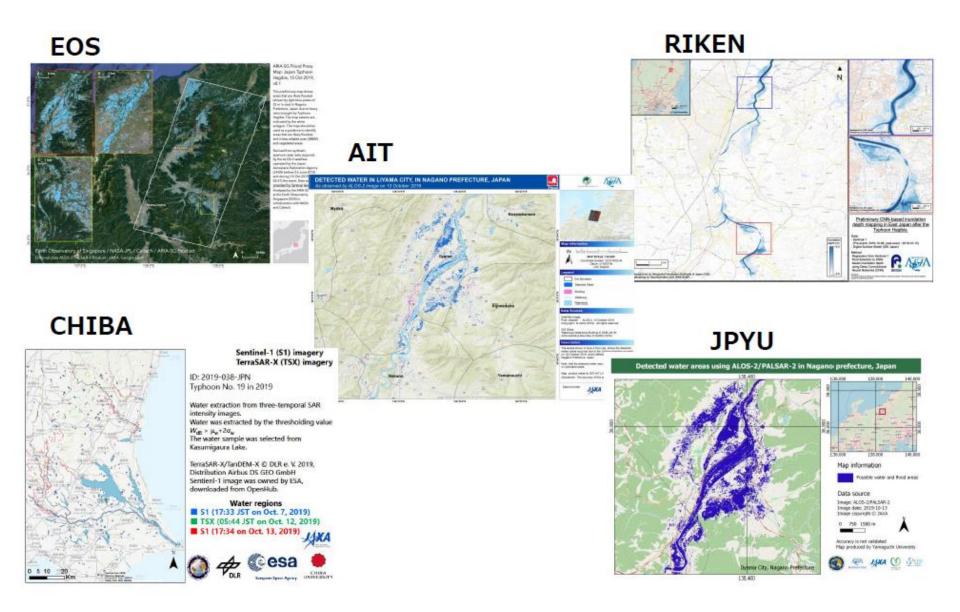
#### **EOR Review, Responded Disaster by Geographical Distribution**



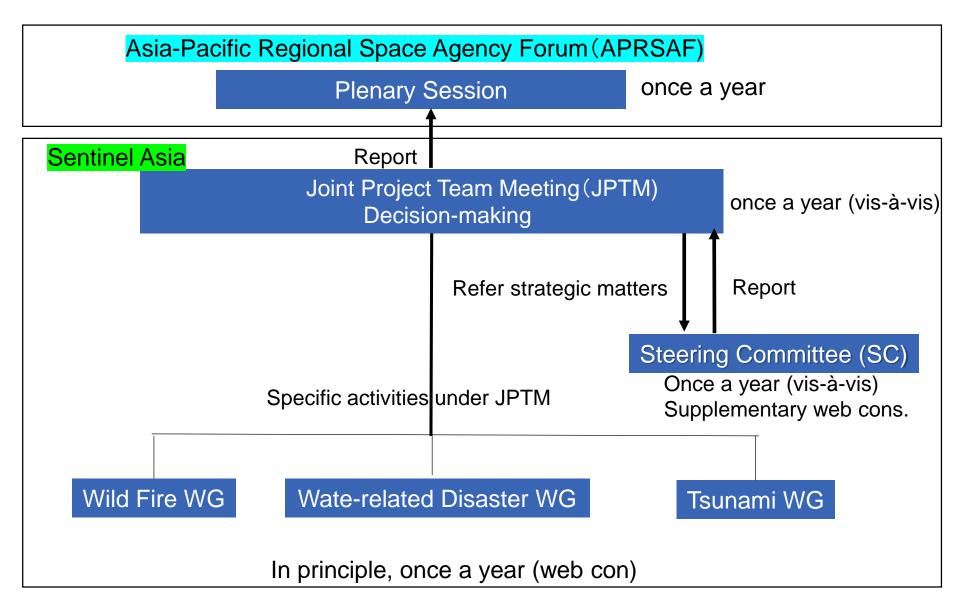
## The latest Emergency Observation Typhoon Hagibis in October, Japan



## The latest Emergency Observation Typhoon Hagibis in October, Japan



### Sentinel Asia's relevant conference bodies



# The 6th Joint Project Team Meeting for Sentinel Asia STEP-3 (JPTM2018Awaji)

- held on 1-2 November 2018 at Awaji Yumebutai, Awaji-island, Hyogo, Japan co-organized by Asian Disaster Reduction Center (ADRC) and JAXA.
- number of participants : 51
- number of organizations : 33



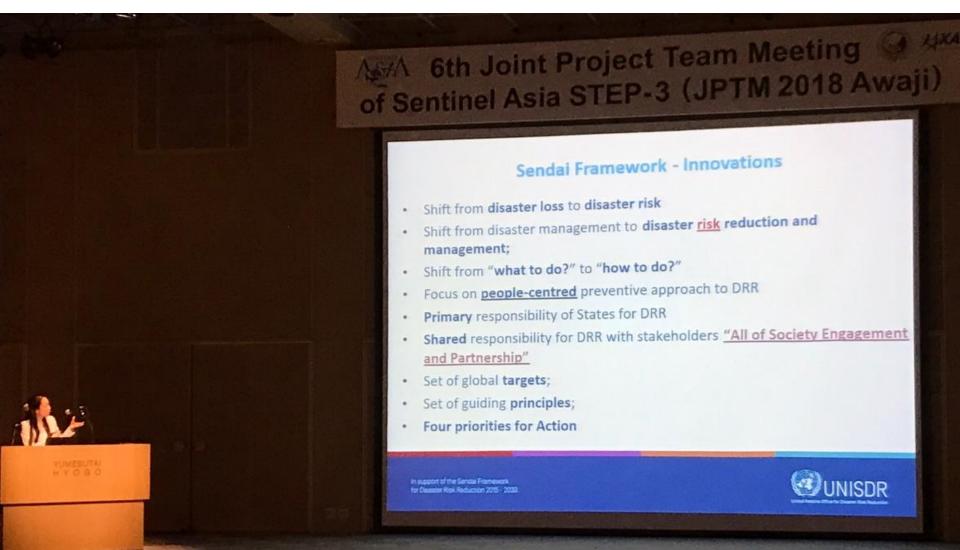
## JPTM2018Awaji Agenda (Day 1)

[Day 1] 1st November, 2018			Session 3 : Users' session		
			11:30		3.1 Presentation by guest speakers from the ACDR community
Time		Drogram itoms		15 min	- National Committee for Disaster Management (Cambodia)
Time		Program items		15 min	- Ministry of Labour and Social Welfare (Lao PDR)
08:30 - 9:00		Registration		15 min	- <u>National Disaster Management Agency (Malaysia)</u>
		Opening Session			
09:00	5 min	Welcome Remarks: JAXA	12:15	75 min	Lunch
	10 min	Adoption of Agenda and Self-introduction of Participants			
					Session 3 : Users' session (continued)
		Session 1 : Overview	13:30		3.2 Presentation on good practices
09:15	10 min	1.1 Overview of Sentinel Asia Status: JAXA		10 min	- <u>ADB</u>
	10 min	1.2 Overview of Emergency Observation: ADRC		10 min	- ADPC
	10 min	1.3 Report of the Steering Committee: Dr. Lal Samarakoon		10 min	- AHA Centre
	10 min	1.4 JPTM2018 Report: NARL		10 min	- EOS
	10 111111	1.4 JF IM 2010 Report. MAINE		10 min	- ICIMOD
00.55	25			10 min	- Manila Observatory
09:55	25 min	Photo Session & Break		10 min	- MONRE
				10 min 10 min	- MOSWRR - PHIVOLCS
Session 2 : New membership and Working Group Activities				10 min	
10:20		2.1 Presentation by new members		10 min	- PNGNDC - SUPARCO
	10 min	- MIMU		25 min	3.3 Discussion - expectation for Sentinel Asia toward further improvement
	10 min	- <u>VIGMR</u>		23 111111	3.3 Discussion - expectation for Sentiner Asia toward further improvement
	10 min	2.2 Water-related Hazard Working Group: IWMI	15:45	20 min	Break
	10 min	2.3 Tsunami WG: MMAF	10.10	20 111111	break
	10 min	2.4 WildFire WG: JAXA			Session 4 : Local Host's session
			16:05	20 min	4.1 Keynote presentation: Dr. Kaku
11:30	20 min	Break			4.2 Presentation by Japanese disaster management organizations and research institutions
11.00	20 11111	S. Car.		15 min	- <u>GSI</u>
		Session 3 : Users' session		15 min	- JMA
44.00				15 min	- <u>Chiba university</u>
11:30		3.1 Presentation by guest speakers from the ACDR community		15 min	- NIED
	15 min	- National Committee for Disaster Management (Cambodia)		15 min	- <u>Yamaguchi University</u>
	15 min	- Ministry of Labour and Social Welfare (Lao PDR)		20 min	4.3 JAXA's Activities for Domestic Disaster Response: JAXA
	15 min	- <u>National Disaster Management Agency (Malaysia)</u>			
			18:00		Adjourn
12:15	75 min	Lunch	19:00		Dinner

## JPTM2018Awaji Agenda (Day 2)

[Day 2] 2nd November, 2018			Session 7: Strategic Plan of Sentinel Asia (under the leadership of the Steering Committee)		
			13:15	10 min	7.1 Introduction of the Strategic Committee: Dr. Lal Samarakoon / Mr. Suzuki
Time	Program items			10 min	7.2 I Satellite Data Provisions and Systems: JAXA / GISTDA
Session 5 : Project Management			10 min	7.3 II Value Added Product (VAP): Yamaguchi University	
09:00		5.1 Reports by Data Provider Nodes (DPN)		10 min	7.4 III End-user Enhancement: GIC/AIT
	10 min	- <u>GISTDA</u>		10 min	7.5 IV Step-3 Activities (Complete DRR cycle): ADRC
	10 min	- <u>ISRO</u>		10 min	7.6 V Communication, Collaboration and Cooperation: ADRC
	10 min	- JAXA		15 min	7.7 Discussion and adoption of the Strategic Plan
	10 min	- MBRSC			
	10 min	- NARL	14:30	20 min	Break
	10 min	- <u>VAST</u>			
	5.2 Primary Data Analysis Node (P-DAN)/DAN Report		Session 8: Special Sesssion - Contribution of Sentinel Asia to achieving global agenda		
	10 min	- GIC/AIT, P-DAN	14:50	20 min	8.1 Keynote Speech: UNISDR
	10 min	- <u>University of Tokyo, P-DAN</u>		15 min	8.2 Toward the strengthened link between Sentinel Asia and Sendai Framework and SDGs: IWMI
	10 min	- <u>Yamaguchi University, VAP leader</u>		15 min	8.3 Toward further global partnership: GIC/AIT
	10 min	5.3 Sentinel Asia documents (TOR): JAXA		20 min	8.4 Discussion
10:40	20 min	Break	16:00	20 min	Break
Session 6 : Sentinel Asia System		Session 9: Wrap-up session			
11:00	10 min	6.1 Sentinel Asia Step 3 System: JAXA	16:20	10 min	9.1 Summary of JPTM2018Awaji: JSF/JAXA
	10 min	6.2 Contribution to Sentinel Asia regional cloud servers: NARL		10 min	9.2 Next host organization: ADPC
	10 min 20 min	6.3 OPTEMIS development status: GISTDA 6.4 Demonstration of OPTEMIS: GISTDA		10 min	9.3 Closing Remarks: ADRC
	20 111111	0.4 Demonstration of OFTEMIS. 0131DA		10 111111	510 Globing Remarks, ADRO
12:00	75 min	Lunch	17:00		Adjourn

# JPTM2018Awaji Highlight Cooperation with the UNDRR (former UNISDR)



# JPTM2018Awaji Highlight Endorsement of the 10-year Strategic Plan

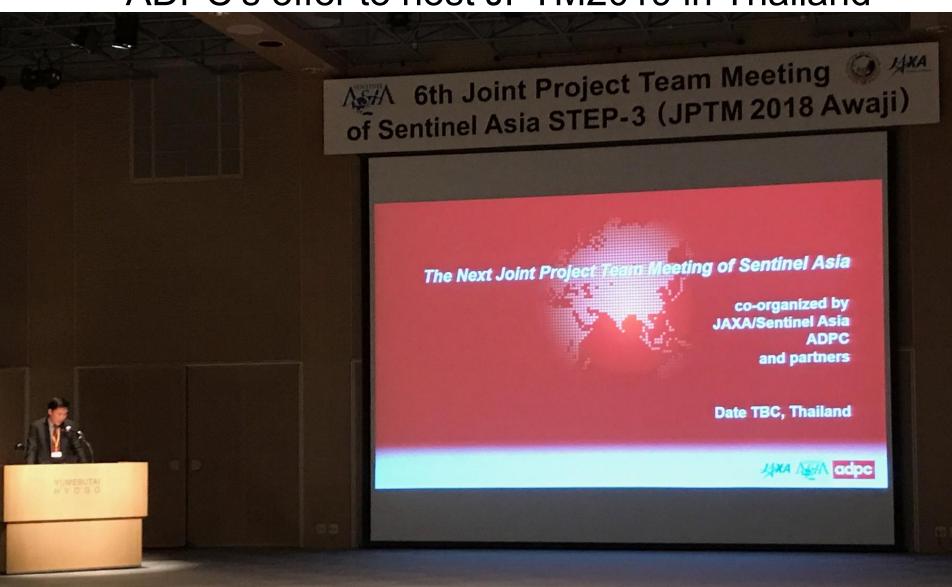


#### Sentinel Asia Strategic Plan.

#### 5 pillar items;

- Satellite Data Provisions and Systems
- 2. Value Added Product (VAP)
- 3. End-user Enhancement
- 4. Step-3 Activities (Complete Disaster Risk Reduction cycle)
- Communication,Collaboration andCooperation

# JPTM2018Awaji Highlight ADPC's offer to host JPTM2019 in Thailand



## APRSAF-25 held in Singapore, 6-9 November 2019



# APRSAF-25 Space Applications Working Group

# SAWG Summary Report Sentinel Asia and DisasterManagement

- Understand significance of multiple satellite data (standard and value added products) provided from the Asia-Pacific region
- Address latency issues in product disseminating to users
- Realize disaster preparedness / recovery period to implement full Sentinel
   Asia Step-3
- Acknowledgement of organizations contributing to SA, in particular, noting GISTDA's OPTEMIS being a good example to achieve one of the ideals of Sentinel Asia Step-3, "resource sharing and joint implementation"

## APRSAF-25 Plenary Report

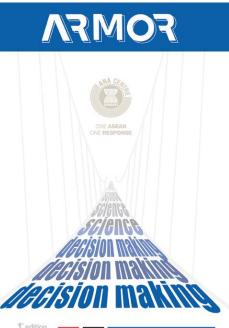


# ASEAN Risk Monitor and Disaster Management Review (ARMOR)

- edited and launched by the AHA Centre in March 2019
- presented good practices of Sentinel Asia
- underlined the importance of Sentinel Asia
- recommended that all DMOs of ASEAN region be exposed to Sentinel Asia



Launch Ceremony of ARMOR
Attended by higher officials
including the ASEAN Deputy Secretary-General,
and the executive director of the AHA Centre





Floods in Lao P.D.R: Sentinel Asia's products contributed to actual relief activities of AHA Centre.

## Sentinel Asia's presence at the UNDRR community ~UNDRR Global Platform High-Level Panel presented by the President of JAXA~



#### Sentinel Asia's presence at the UNDRR community

- Sentinel Asia's paper "Development of Sentinel Asia as a Platform to Facilitate Space-Based Technology Application to Disaster Management Operations"
- Co-authored by ADRC and JAXA
- Accepted and published as part of Global Assessment Report (GAR) by UNDRR



