

Sentinel Asia new system Training at the JPTM

13 November 2019
SAOC/JAXA
Eiko Yamamoto

Guidance of system training

– Agenda

- Overview – **JAXA**
- OPTEMIS operation - **GISTDA**
- DAN and DPN operation (Data upload/download from/to OPTEMIS and SFTP) – **NARL**
- WEBGIS operation–**JAXA**
- Administrative information for simulation–**JAXA**

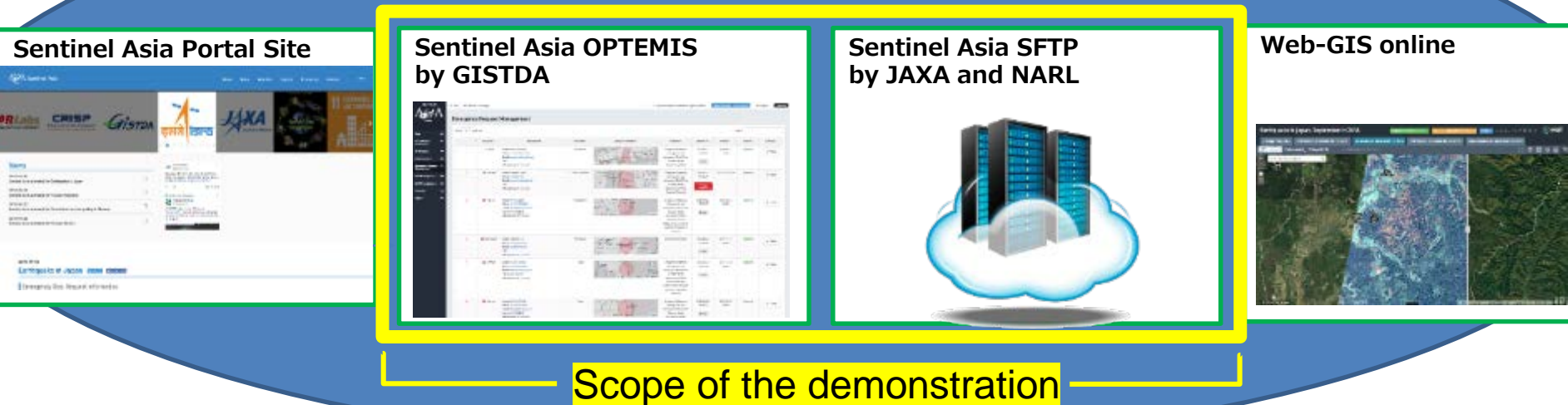
<Coffee Break>

- Simulation training on Sentinel Asia Emergency Observation via New Sentinel Asia web/OPTEMIS and SFTP. (30min)

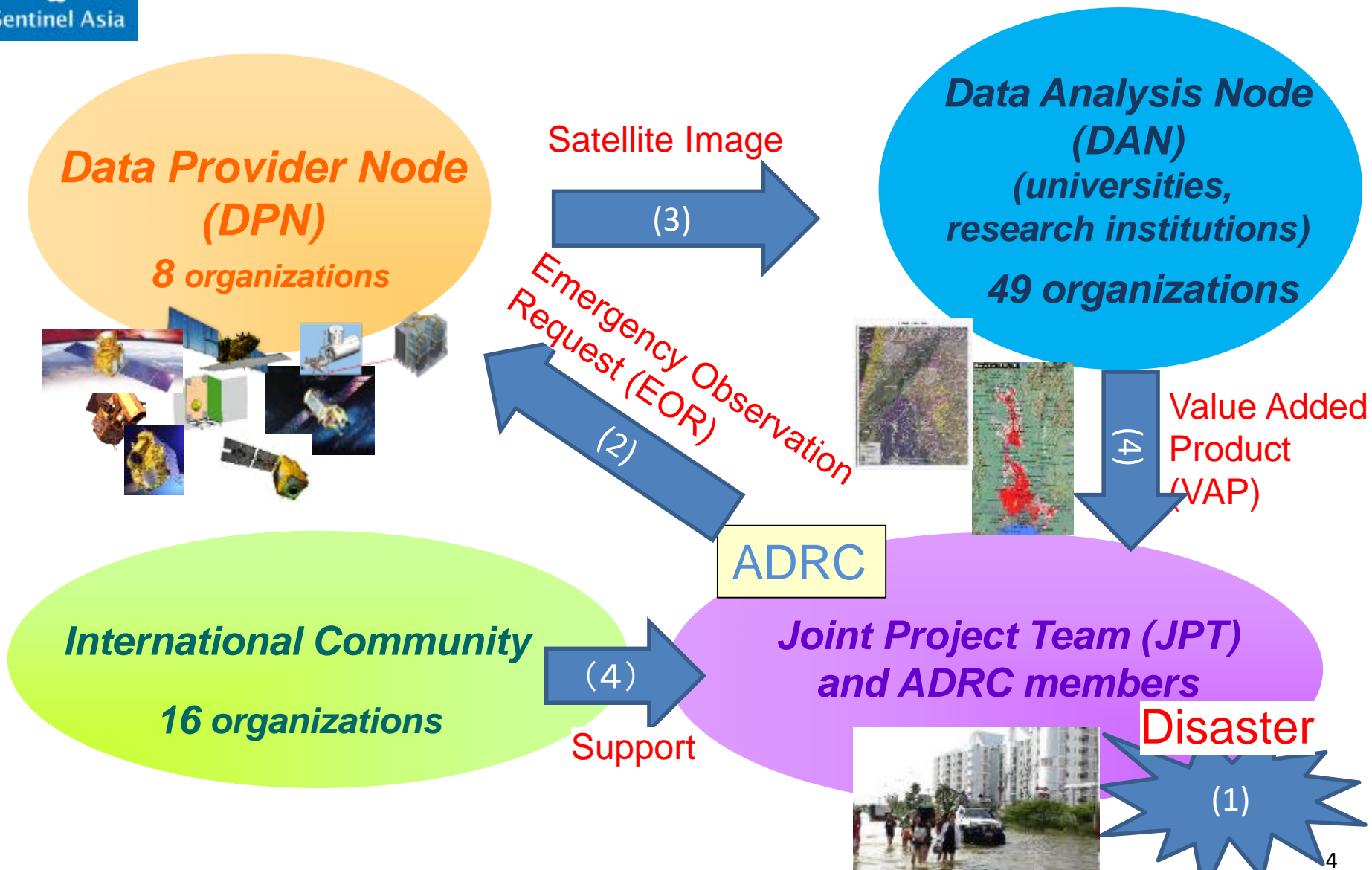
Purpose of the system training

- To improve the knowledge and skills of members regarding the operation of the system, to enhance the smooth activation of Sentinel Asia and rapid response for the disaster.

Sentinel Asia new system

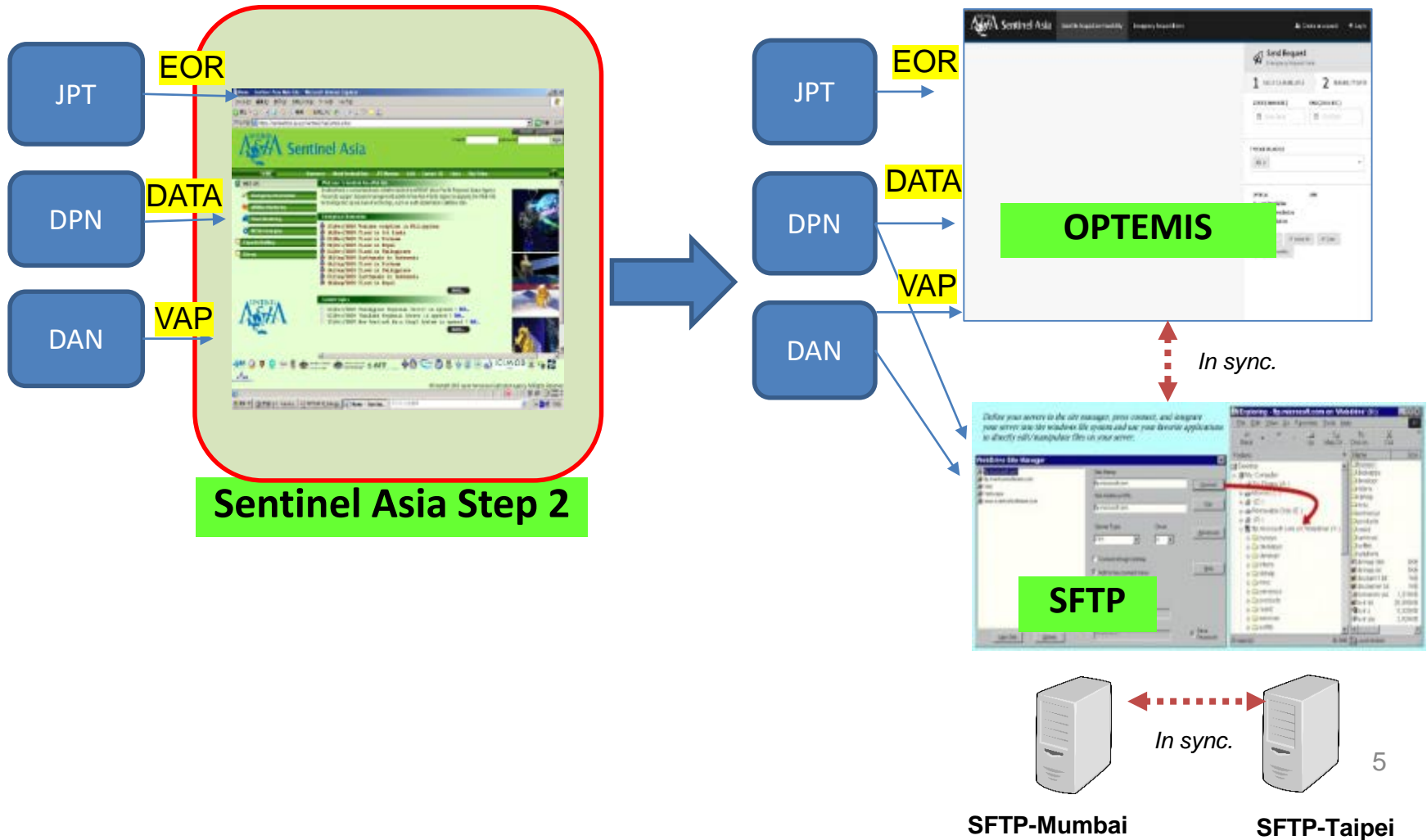


Emergency Response of Sentinel Asia

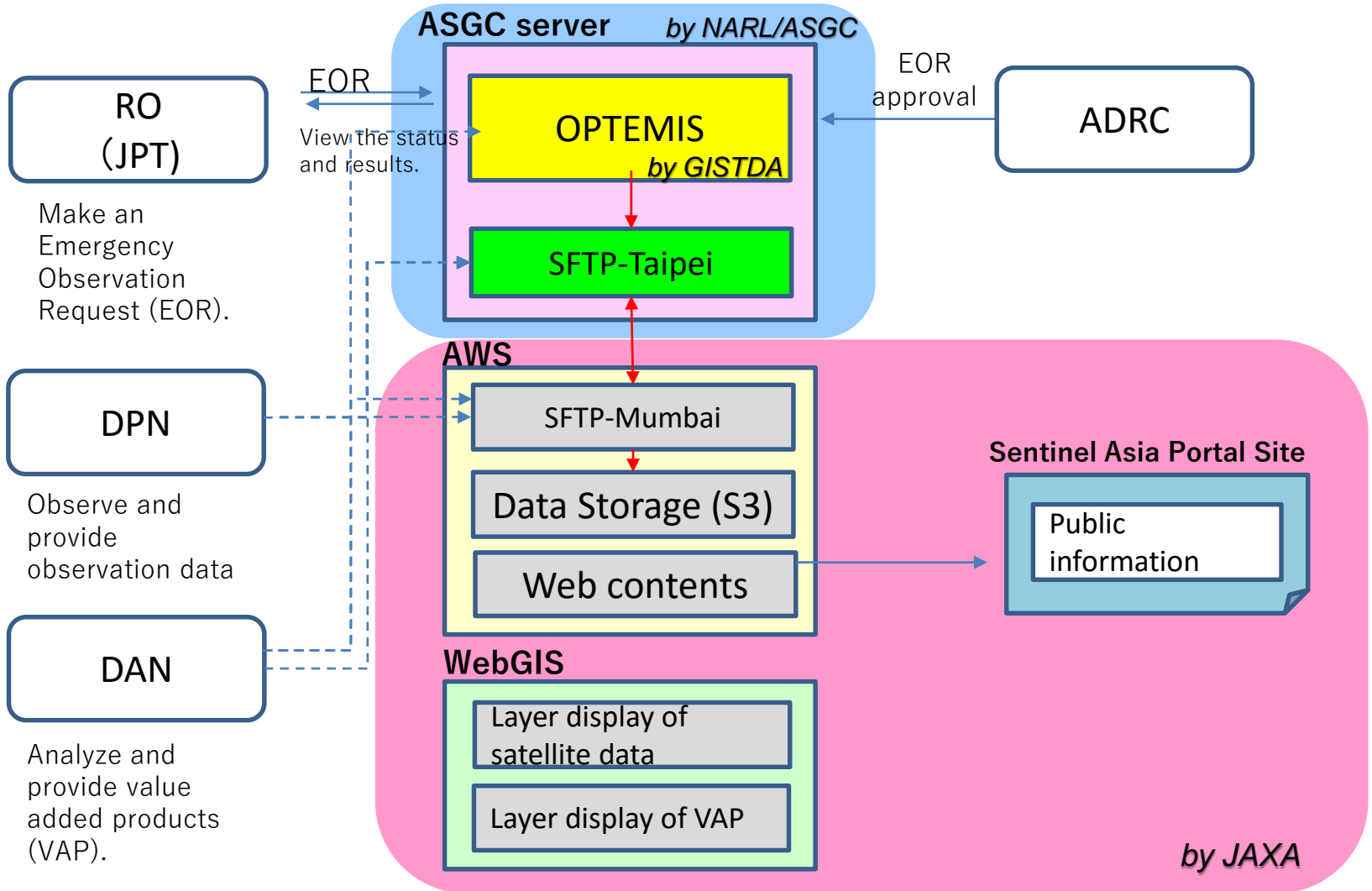


Sentinel Asia system update I/F to users

EOR: Emergency
Observation Request



System Diagram



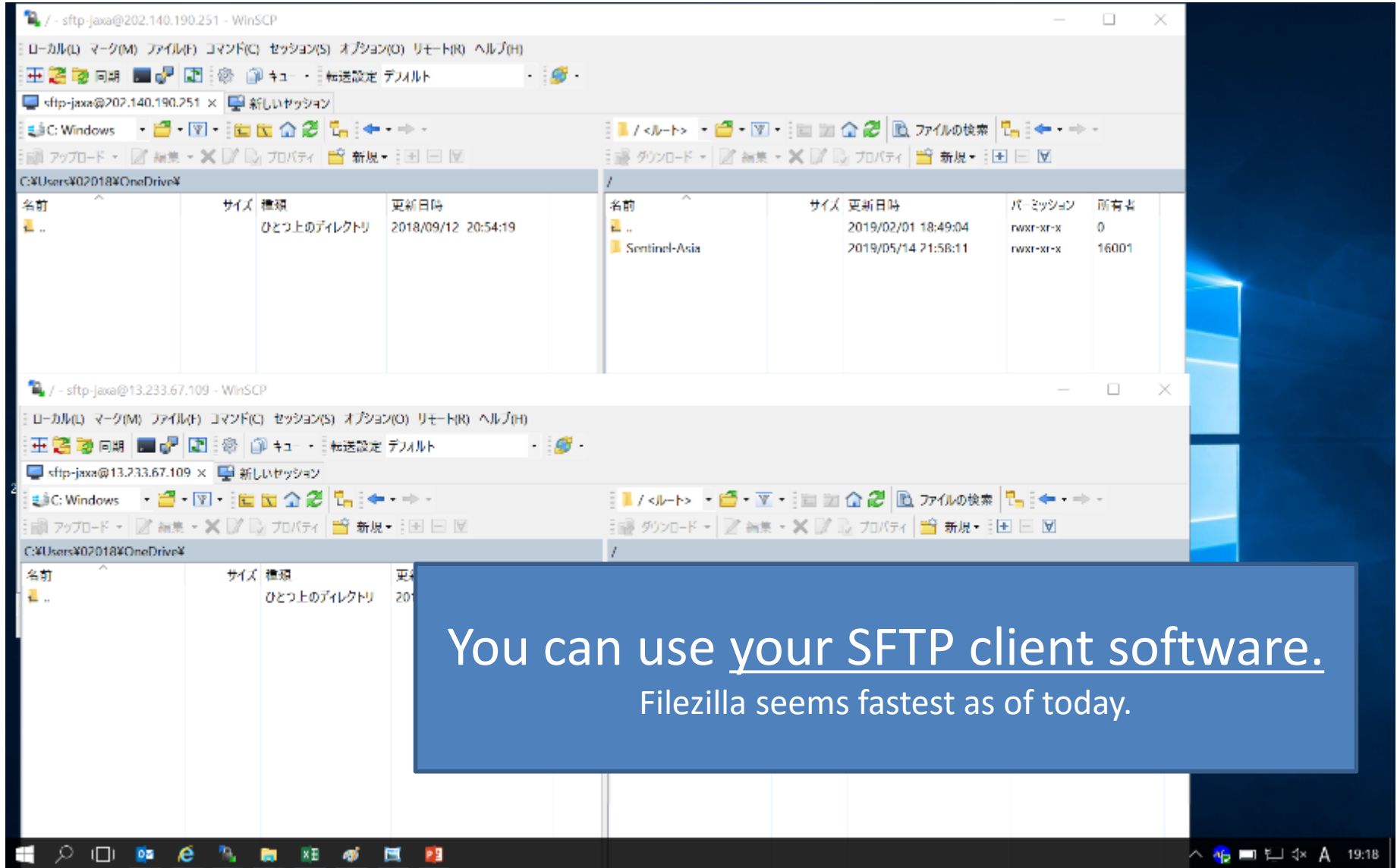
Sentinel Asia new System image for OPTEMIS

Sentinel Asia Portal Site (<https://sentinel-asia.org/>)

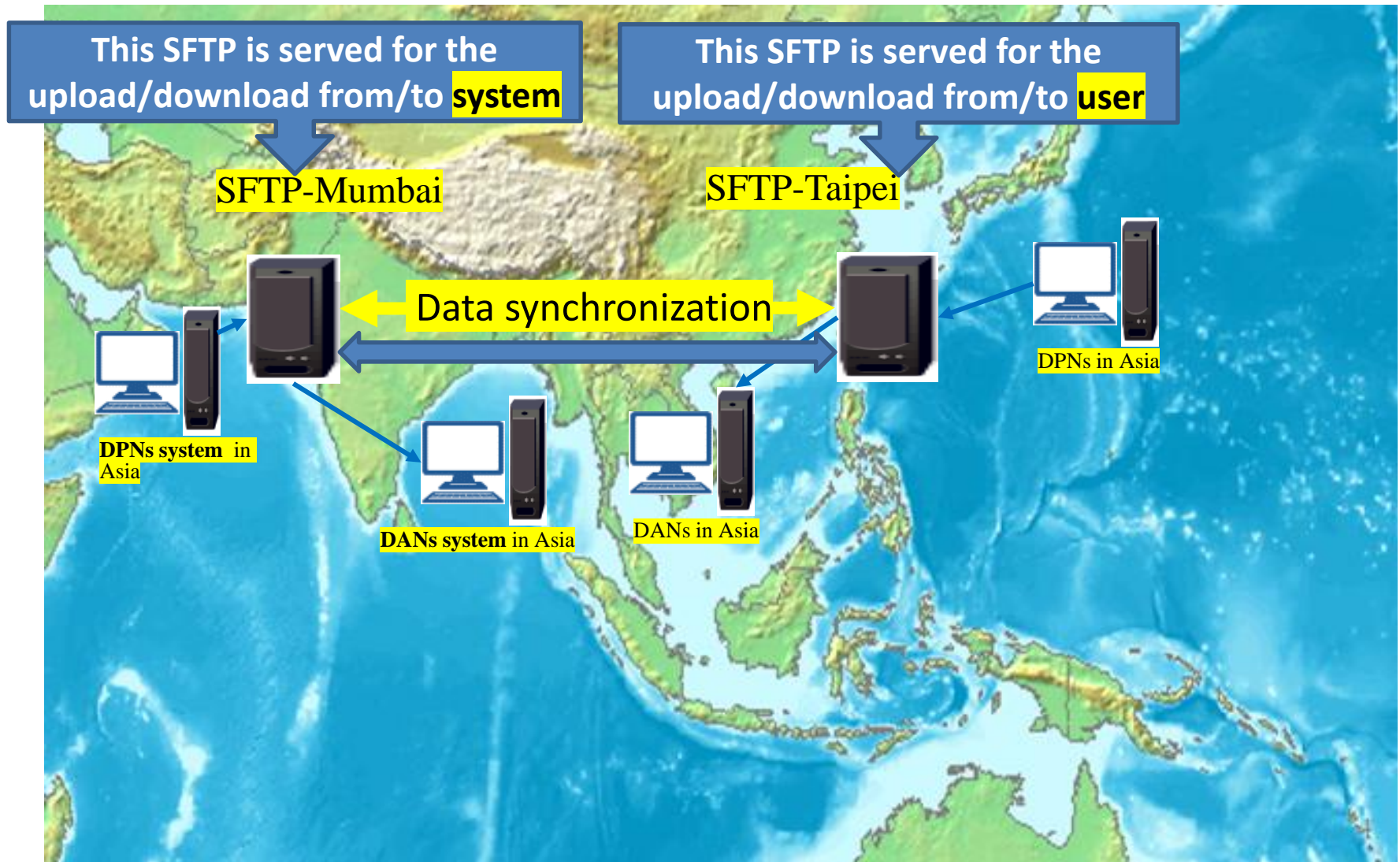
The screenshot shows the Sentinel Asia Portal Site. The navigation bar includes links for Emergency Observation, About, News, Activities, Meetings, Publications, E-Learning, Links, and OPTEMIS. A red circle highlights the OPTEMIS link, with a red arrow pointing to a yellow box containing the URL <https://optemis.sentinel-asia.org/>. Below the navigation bar, there is a sidebar menu with sections: DASHBOARD (Overview), MANAGE (EOR Management, DPN Management, DAN Management, SA Members, Constellation Parameters, Summary), ACCOUNT (Users), and MAINTENANCE (Setting, User Manual). The main content area shows a welcome message for Elko Yamamoto, a latest emergency request table, and sections for Permissions and Members.

Request NO.	Country	Disaster	DPN	DAN	Activation
20190822-Japan-Flood-Landslide-Storm-00123	Japan	Flood, Landslide, Storm	1	1	32 days ago 20:12
	Japan	Earthquake	9	5	End
	Vietnam	Flood, Storm	0	0	End
	North Korea	Earthquake	0	0	End
	Vietnam	Flood	0	0	End

Sentinel Asia new System image for SFTP



Sentinel Asia new System image for SFTP



What can we do in the system?

- JPT
 - can input EOR into OPTEMIS
 - can download products from OPTEMIS
- DPN
 - can upload satellite data to OPTEMIS and/or SFTP.
- DAN
 - can download satellite data from OPTEMIS and/or SFTP.
 - can upload products to OPTEMIS and/or SFTP.

What information will we receive from the system?

No	case	From	trigger	To (operation)	To (Under Studying)
0	Request	OPTEMIS	JPT requested EOR	JAXA admin	
1	Activation	OPTEMIS	ADRC approved EOR	JPT, DPN & DAN	
2	Update EOR	OPTEMIS	ADRC updated the EOR	DPN & DAN	
3	Cancel EOR	OPTEMIS	ADRC canceled the EOR	DPN & DAN	
4	Update Status	OPTEMIS	DPN/DAN changed the status	None	
5	Selected for DPN/DAN	OPTEMIS	ADRC selected DPN/DAN in EOR and submitted	DPN_selected DAN_selected	
6	Upload data	SFTP	DPN uploaded the data	DPN & DAN	DPN_selected DAN_selected
7	Upload product	SFTP	DAN uploaded the product	Requester <small>(from OPTEMIS)</small> ADRC DAN	Requester ADRC DAN_selected
8	Update WebGIS	TBD	WebGIS (ArcGIS-online) is updated	None	TBD
9	End EOR	OPTEMIS		As same as (No.0-3)	

What should we do to use?

- Account Creation & Setting

- **OPTEMIS accounts**

- Step1 : **POC of your organization will inform your members via online form:** <https://bit.ly/2BIBBZa>
 - Step2: **User create your account by yourself from OPTEMIS.**
 - Step3: JAXA Admin will approve your account with permission and due date.

Tips: OPTEMIS accounts can be created by team with your mailing list address.

Ex: JAXA can create accounts for jaxa-admin@sim.jaxa...

All information from OPTEMIS will be sent to this address.

Pros. You don't need to create OPTEMIS accounts as personnel changes.

Cons. You will receive all mails that OPTEMIS sending to the address.

- Account Creation & Setting

- **SFTP accounts**

- SFTP accounts are sent by admin (JAXA).
 - Install SFTP client software and set ID, Password and Key.
 - SFTP password and key will be changed every year. -> Oct 2020.

SFTP client s/w installation

- Please download the recommended client software "Filezilla" from the following site according to the platform.

https://filezilla-project.org/download.php?show_all=1

The image displays two screenshots of the FileZilla website's download page. The left screenshot shows the 'Download FileZilla Client for Windows (64bit)' section. A green 'Download FileZilla Client' button is crossed out with a large red 'X'. Below it, a red arrow points to a link that says 'Show additional download options'. The right screenshot shows the 'Download FileZilla Client' section. A red arrow points to the 'FileZilla_3.44.2_win64-setup.exe (recommended)' download link. Both screenshots include a navigation menu on the left and a header with the FileZilla logo and 'The free FTP solution' tagline.

To avoid installation of unnecessary files, please choose download options for single exe file.

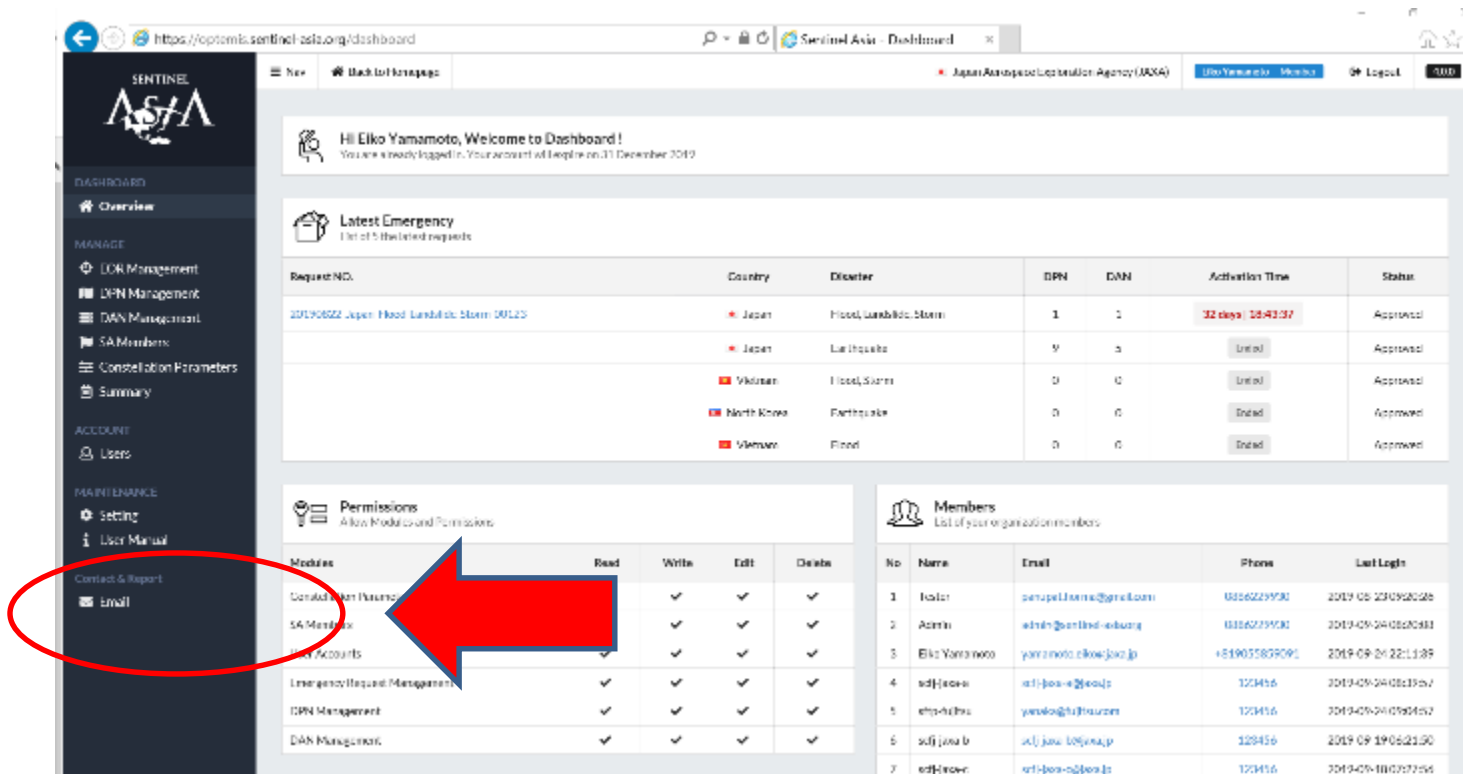
Tutorial of OPTEMIS

- <https://optemis.sentinel-asia.org/dashboard/manual>

The image shows a screenshot of the OPTEMIS dashboard interface. On the left, there is a dark blue sidebar with various navigation icons and a list of satellite names (Orbita, TERRA, AQUA, etc.). A red box highlights a book icon in the sidebar, with a yellow arrow pointing to the right towards a tutorial overlay. The tutorial overlay is titled "Getting Started" and contains sections for "Registration" and "Login". The "Registration" section includes a list of steps: 1. Click on [icon], 2. Click on [icon], and 3. Fill out the form with your information then click on [button]. The "Login" section includes a link to the homepage and a list of steps: 1. Click on [icon] and 2. Fill in your email and password then click on [button]. The background of the dashboard shows a map of Asia.

Contact

- If you have any comment or clarification, please send mail by following location:




The screenshot shows the Sentinel Asia Dashboard interface. The left sidebar contains a navigation menu with the following items: DASHBOARD (Overview), MANAGE (DCR Management, DFN Management, DAN Management, SA Members, Constellation Parameters, Summary), ACCOUNT (Users), MAINTENANCE (Setting, User Manual), and Contact & Report (Email). The 'Email' option under 'Contact & Report' is circled in red, and a large red arrow points to it from the left. The main content area displays a welcome message for Eiko Yamamoto, a 'Latest Emergency' table, a 'Permissions' table, and a 'Members' table.

Request NO.	Country	Disaster	DPN	DAN	Activation Time	Status
20190622-Japan-Flood-Landslide-Storm-09123	Japan	Flood, Landslide, Storm	1	1	32 days 18:43:37	Approved
	Japan	Landslide	0	0	Ended	Approved
	Vietnam	Flood, Storm	0	0	Ended	Approved
	North Korea	Earthquake	0	0	Ended	Approved
	Vietnam	Flood	0	0	Ended	Approved

Modules	Read	Write	Edit	Delete
Constellation Parameters		✓	✓	✓
SA Members		✓	✓	✓
User Accounts		✓	✓	✓
Emergency Request Management	✓	✓	✓	✓
DPN Management	✓	✓	✓	✓
DAN Management	✓	✓	✓	✓


No	Name	Email	Phone	Last Login
1	Isaori	isaori@sentinel-asia.org	0306229900	2019-08-23 09:20:26
2	Admin	admin@sentinel-asia.org	0306229900	2019-09-24 08:00:00
3	Eiko Yamamoto	yamamoto.eiko@jaxa.jp	+819055839091	2019-09-24 22:11:39
4	ed@crow	ed@crow.jp	123456	2019-09-24 08:19:57
5	ef@crow	ef@crow.jp	123456	2019-09-24 09:54:57
6	ed@crow	ed@crow.jp	123456	2019-09-19 06:21:50
7	ed@crow	ed@crow.jp	123456	2019-09-18 07:57:56

Schedule

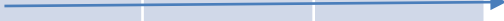
	Oct. 2019	Nov. 2019	Dec. 2019	Jan. 2020	Feb. 2020	Mar. 2020	Apr. 2020	May. 2020	Jun. 2020
Events		★ JPTM#7			★ Steering Committee in India				
Present version		★ Operation Start				 Security Check			
Next version									
Meeting									



Study:
 Auto update to the WebGIS
 System I/F to others



Design of Auto update
 to the WebGIS



Thank you!