



APSCO Data Sharing for Regional Sustainability and Member States Emergency Response



Mr. Xu Yansong
Director General of Department of Program Operation and Data Service of APS

Data Sharing Service Platform (DSSP)

Data Sharing Service Platform (DSSP) of APSCO is providing data from 4 Chinese remote sensing satellites to Member States for multi-purposes, including GF-2 which has 0.8M resolution.

More than **400,000** images have been acquired with more than **20 million** Km² coverage areas.

8000 images have been provided to Member States, 2 pilot projects have been concluded.

New data resources, Meteorological data, new pilot projects and more are coming.

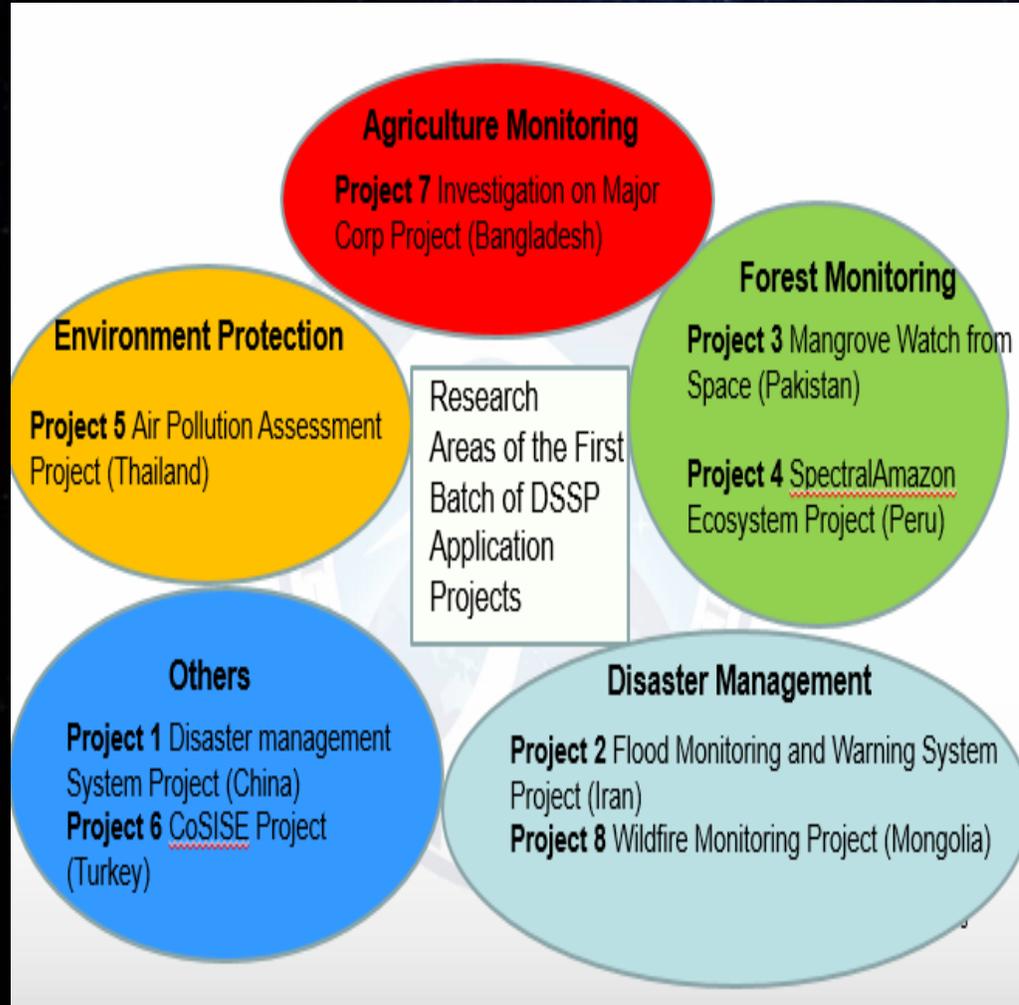


What We' ve Done



Date	Scene	Satellites	Country	Disaster
30-Mar-17	1	GF-1	Peru	Flood
30-Mar-17	4	GF-2	Peru	Flood
30-Mar-17	9	GF-1	Peru	Flood
15-Sep-17	2	GF-2	Mexico	Earthquake
22-Sep-17	2	GF-2	Turkey	Wildfire
18-Nov-17	314	JL101A	Iran	Earthquake
	1	JL103B		
	39	FY3B		
	56	FY3C		
	2	GF-2		
	4	GF-3		
15-May-19	19	GF-1	Bangladesh	Cyclone
25-Jun-19	1	GF-2	Turkey	Flood
15-Jul-19	132	GF-2	Mexico	Red-tide algae
29-Aug-19	9	GF-2	Bangladesh	Riverbank erosion
25-Nov-19	2	GF-6	Bangladesh	Riverbank erosion
2-Jan-20	3	GF-3	Iran	Flood
23-Jun-20	1	GF-1	Mexico	Earthquake
6-Nov-20	23	GF-3,GF-6,GF-1	Turkey	Earthquake
9-Mar-21	3	GF-2	Iran	Earthquake
7-Aug-21	5	GF-1 HJ-2B GF-1D	Turkey	Wildfire
29-Sep-21	2	ZY3-02 GF-6	Mexico	Earthquake
6-Nov-21	6	GF-1 GF-2 GF-3	Mexico	Earthquake
1-Aug-22	5	ZY3-03 GF-6	Mexico	Sargassum
31-Aug-22	16	GF-1 GF-3	Paksitan	Flood

DSSP Application Projects



The 1st Batch of DSSP Application Projects All the Eight Projects Are In Implementation Phase

Project 1: "Disaster Management System Application and Service Based on Wide Band Multispectral Remote Sensing Data" (China)

Project 2: "Establishing and Operating Flood Monitoring and Warning System Using Satellite Imageries" (Iran)

Project 3: "Mangrove Watch from Space" (Pakistan)

Project 4: "Spectral Characterization of Forest Cover for the Evaluation of Amazonian Ecosystems" (Peru)

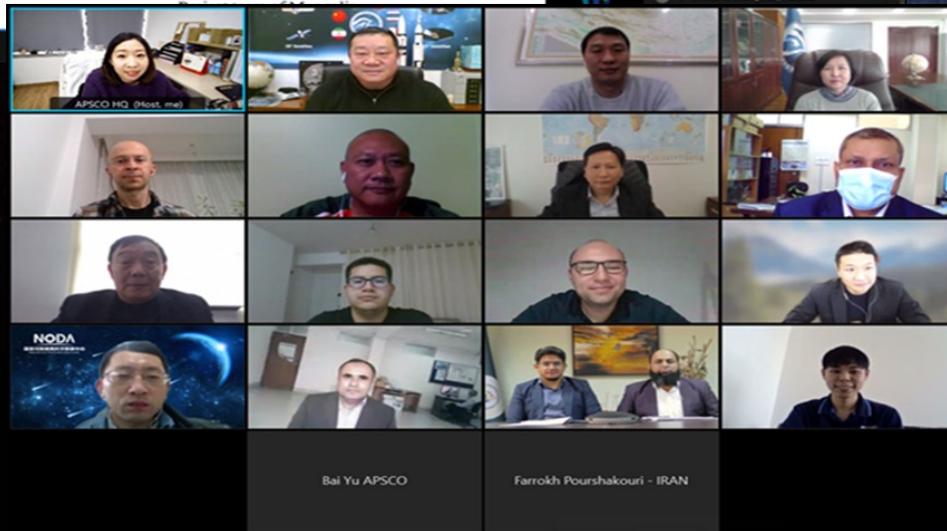
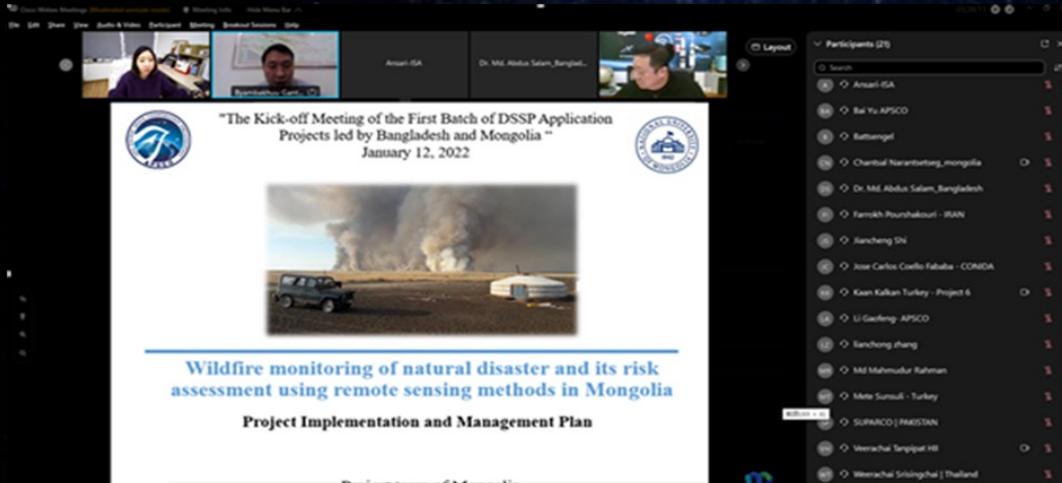
Project 5: "Air Pollution Assessment Using Satellite Data: A Case Study Of Greater Bangkok" (Thailand)

Project 6: "Context-Based Satellite Imagery Search Engine (CoSISE)" (Turkey)

Project 7: "Investigation on the Applicability of Microwave and Optical Satellite Images for Assessment of Major Crop Acreages at Early Stage of Crop Life Cycle " (Bangladesh)

Project 8: "Wildfire Monitoring of Natural Disaster and Its Risk Assessment Using Remote Sensing Methods in Mongolia"

DSSP Application Projects



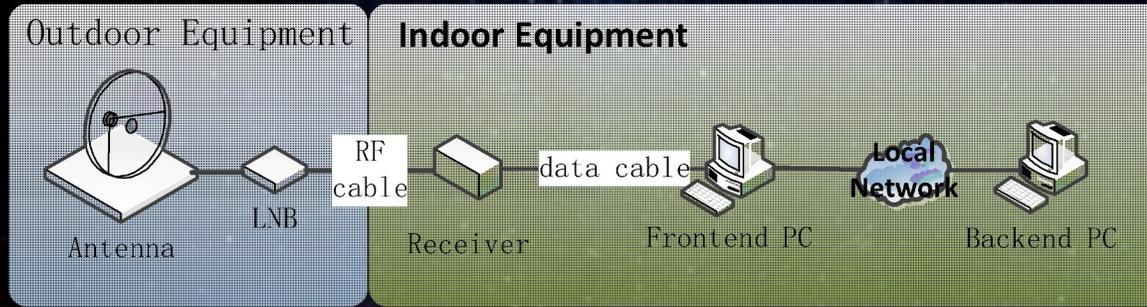
Introduction of the 2nd Batch of DSSP Application Projects

As the first eight projects of APSCO DSSP application projects are being implemented and substantial progress has been made in almost all projects, they are expected to be completed in the year 2023.

Based on the successful implementation of these application projects and to continue this conducive practice of equal sharing APSCO limited financial resources to maximize its role in Basic Activity. All the Member States agreed to continue implementation of DSSP Application Projects as a batch, based on one-country-one-project in each batch.

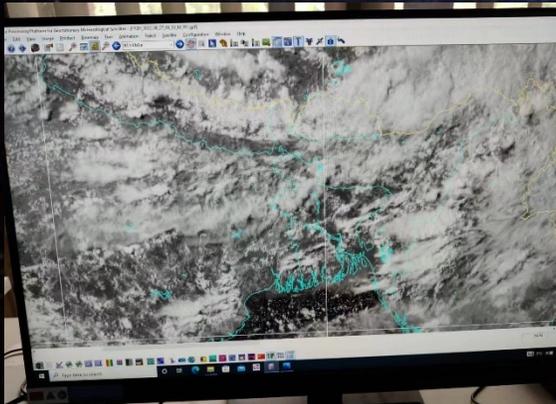
The Second Batch of DSSP Application projects should be focused on **Climate Change** and **Agriculture** and other commonly interested domains from Member States.

FY-2 Geostationary Satellite Data Receiving and Utilization System



FY-2 Geostationary Satellite Data Receiving and Utilization System can receive, process Chinese FY2 satellites S-VISSR broadening cloud data, it is an integrated system include data receiving, data processing, application and data sharing.

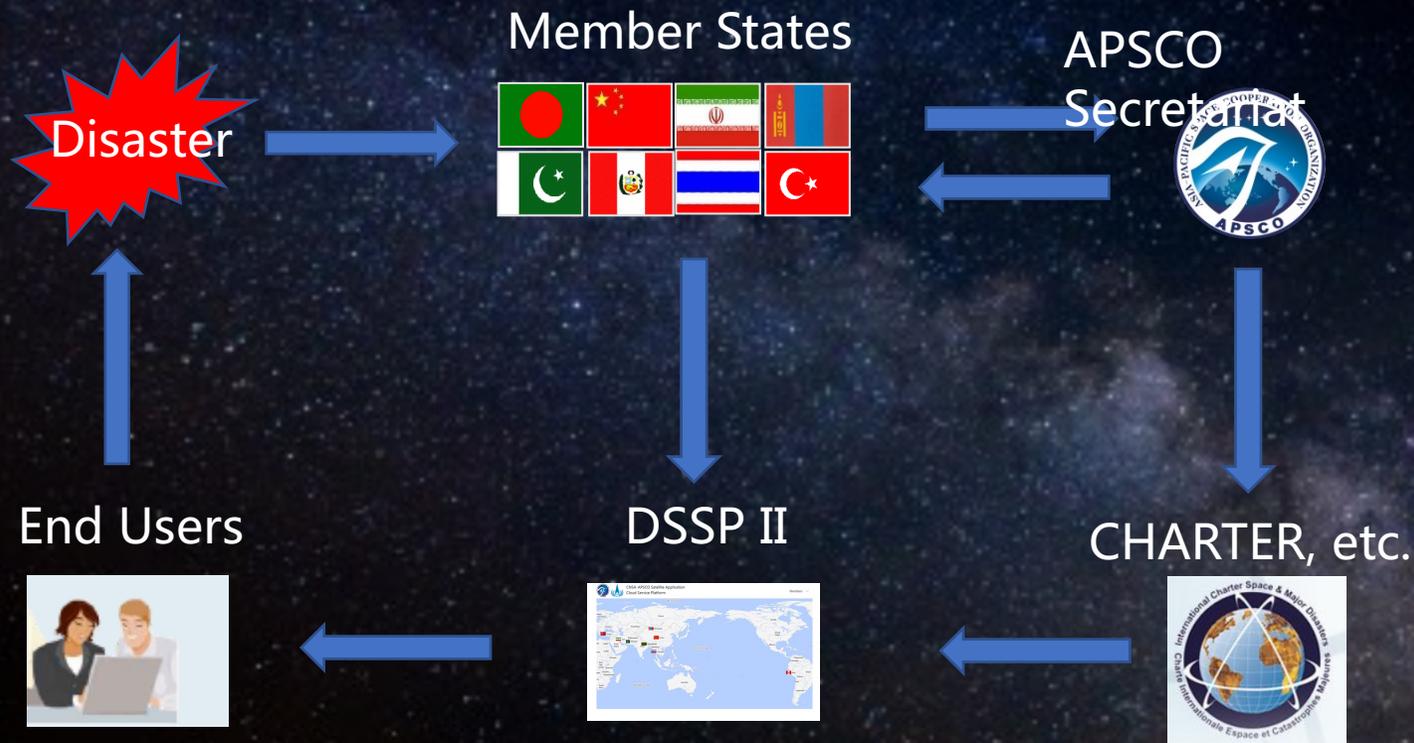
The system can receive S-VISSR data automatically from FY2 satellite, generate real-time image during the receiving procedure. After the receiving, system can generate various of projected image data in two minutes automatically. The system using the projected image data to finish the following analysis and generate function, and it can provide individualized products through human-computer interaction mode.



APSCO Emergency Response Mechanism



APSCO Secretariat is working on to build a CHARTER like Emergency Response Mechanism which includes multiple data resources within the DSSP Phase II Upgrade Project.





THANK YOU

Mr. Xu Yansong

xuyansong@apsco.int