

An Opportunity for China Remote Sensing Data Global Sharing

WANG, Fengyu Earth Observation System and Data Center, CNSA

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Outline



1.1 Introduction of CNSA

China National Space Administration (CNSA) has continuously expanded multilateral and bilateral space cooperation on behalf of the government. So far, it has signed more than 170 intergovernmental space agreements with nearly 50 countries and international organizations, including more than 40 cooperation agreements in the field of Earth observation.



1.2 Introduction of EOSDC



The Earth Observation System and Data Center (EOSDC) of CNSA is the overall project unit of China's high resolution Earth observation system and civil space satellites, the national civil and commercial space emergency response force and the leading unit in the international cooperation of earth observation.







1.3 Introduction of China's Remote Sensing Satellite System



China has built and launched 200+ remote sensing satellites, enabling high-spatial-resolution, high-temporal-resolution and high-spectrum-resolution earth observation.



1.3 Introduction of China's Remote Sensing Satellite System



<u>DQ-1</u>:

Atmospheric Environment Monitoring Satellite (DQ-1) launched on16 Apr 2022 is the world 's first active carbon dioxide laser detection satellite, greatly improving the global carbon monitoring and high-precision monitoring of air pollution in a large range.



1.3 Introduction of China's Remote Sensing Satellite System





hyperspectral observation satellite:

Positioned in a 705-kilometer sun-synchronous orbit, this satellite enables all-weather, multi-element comprehensive detection of the atmosphere, water bodies, and natural ecosystems. It provides support for the protection and restoration of crucial global ecosystems and for actively responding to global climate change.



Outline



2.1 Publishment of CPEOS



WENCHANG



2023 WENCHANG INTERNATIONAL AVIATION & AEROSPACE FORUM

Accelerate BRICS Satellite Data Application Promote Aurospace Information International Cooperation

2-2-23 文昌国际航空航天论坛 加快金砖卫星数据应用推动空天体。国际金峰重要都未能后

2.1 Publishment of CPEOS

Account Information

Account:

Verification Code:

Duplicate password:



E-mail:

Password:

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Send

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- Serbia
- Kazakhstan
- Laos
- Bangladesh

Registration address: https://image.cpeos.cn/reg



2.3 Function of CPEOS —— Data Sharing



BRICS RSSC

Satellite List:

- Gaofen Satellites
- Meteorological satellites
- Ocean Satellies
- Land Satellites



2.3 Function of CPEOS —— Data Sharing



http://image.cpeos.cn/index



2.3 Function of CPEOS — Products Service



http://product.cpeos.cn/index

(CNSA)	Product Data Hub	Home I 	Product User Help My Space	Login
Selection <	НҮ-1С			_
Special	HY-1D	Collection	Level	access
Special	HY-2B	Chinese Ocean Color and Temperature Scanner (COCTS)	L2A, L2B, L2C	þ
	HY-2C	Coastal Zone Imager (CZI)	L2A, L2B, L2C	Þ
	HY-2D			<u>~</u> 0
	CFOSAT			
		 Product Service portal: Fengyun meteorological satellite products access Haiyang ocean satellite products access 		
				14

2.3 Function of CPEOS — Products Service



http://product.cpeos.cn/index



2.3 Function of CPEOS —— BRICS RSSC



https://brics.cpeos.cn/



2.3 Function of CPEOS —— BRICS RSSC



https://brics.cpeos.cn/





Outline



3.1 Announcement of Opportunity

https://www.cpeos.cn/opportunity



Announcement of Opportunity Soliciting for China Remote Sensing Data Global Sharing

Schedule

LoI Due	January 1st, 2024
Primary Selection of the Projects Due	February 1st, 2024
Experts Review Due	March 1st, 2024
Final Confirmation of the Projects Due	April 1st, 2024
Signature of the Memorandum of Agreement	TBD

The Earth Observation System and Data Center, CNSA

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1. Background

In November 2023, during the Wenchang International Aviation & Aerospace Forum, the China National Space Administration (CNSA) officially launched the China Platform of Earth Observation System (hereinafter referred as "CPEOS"). To further promote China's achievements in Earth observation to countries around the world, CPEOS has established the international data node system. This system will provide normalized and standardized high-resolution remote sensing satellite data distribution services within the territory of the signing entities, assisting these entities in offering lightweight data sharing services to their own users.

2. Objectives of the AO

- To utilize the abundant resources of Chinese remote sensing satellite data to collaboratively promote the development of Earth observation with countries worldwide.
- To facilitate international cooperation with various countries in data sharing and data application by deploying international data nodes for remote sensing satellites.

3. Functionality of the International Data Node System

The International Data Node System is mainly composed of the Chinese end

3.2 Cooperation Network





Multilateral



Bilateral









APSCO





Thank you

Wang, Fengyu

EOSDC, CNSA CNSAICO@email.cn +86 18611699033