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# MEMORANDUM OF UNDERSTANDING

Between

The Earth Observation System and Data Center of  
China National Space Administration

(People's Republic of China)

And

Jagannath University (Applicable for Department of Geography and  
Environment)

(People's Republic of Bangladesh)

on

**Remote Sensing Satellite Data Node Cooperation**

The Earth Observation System and Data Center of China National Space Administration and Jagannath University (Applicable for Department of Geography and Environment) hereinafter referred respectively to individually as "EOSDC of CNSA" and "JnU" and collectively as the "Parties"

**RECOGNIZING** the importance of remote sensing technology in underpinning economic growth and sustainable development;

**ACKNOWLEDGING** that the efficient use of scientific remote sensing data promotes the common prosperity of the region, contributes to the growth of their friendly relations;

**ACTING** in the spirit of mutual respect and mutual benefit,

Have reached the following understanding:

## ARTICLE 1 - OBJECTIVES

This Memorandum of Understanding ("the MoU") is to establish the Bangladesh Scientific Research Node based on equality and mutual benefit.

EOSDC of CNSA is responsible for the overall coordination of the Chinese side. The Aerospace Information Research Institute, Chinese Academy of Sciences (AIRCAS) is the designated



construction and technical support unit of the Chinese side. And Jagannath University (Applicable for Department of Geography and Environment) (JnU) is the operating and extension organization of the Bangladesh Scientific Research Node.

## **ARTICLE 2- SCOPE AND FORMS OF COOPERATION**

The Parties, subject to their respective laws, rules, regulations, and national policies from time to time in force, agree to carry out comprehensive cooperation in the field of space-based disaster reduction, through the following forms of cooperation:

- (1) Parties will cooperatively work on establishing Bangladesh Scientific Research Node by following all administration rules of JnU and EOSDC.
- (2) The China side can distribute the data of GF1-7 satellites, covering Bangladesh's territory, on the Bangladesh Scientific Research Node and the list of satellites to be pushed will be finalized by the Chinese side.
- (3) AIRCAS is responsible for obtaining and distributing remote sensing data covering Bangladesh territory and support domestic remote sensing applications in Bangladesh. The EOSDC of CNSA is responsible for reviewing the data.
- (4) Joint Working Group participated by all Parties is responsible for coordination and decision of annual data requirements;
- (5) JnU (Applicable for Department of Geography and Environment) should assign a dedicated team to operate the Bangladesh Scientific Research Node
- (6) All parties agree to support exchanges and mutual visits among scientists, experts, technicians, and researchers.
- (7) All parties agree to support joint research and experiments on mutual interest as well as the exchange of its results.
- (8) Parties will jointly apply for and implement bilateral or multilateral joint research funding projects
- (9) Other forms of cooperation may be mutually decided by the Parties.
- (10) There is no financial flux to be considered for the execution of the MoU.

## **ARTICLE 3- GENERAL INFORMATION OF PARTIES**

The Earth Observation System and Data Center of China National Space Administration (EOSDC



of CNSA), established in 2010, 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 field of national earth observation, National piloting unit for international cooperation on civil remote sensing satellite data, promotes bilateral and multilateral intergovernmental cooperation and actively lead international cooperation in earth observation.

Keeping in harmony with the long drawn glorious history of the Jagannath University of the Department of Geography and Environment has earned a golden past with remarkable present contributing to the nation through different tiers of activities and academic programs. Apart from academic training the Department of Geography and Environment is contributing significantly to the national and international scientific community through a wide spectrum of scientific studies and research. RS-GIS lab of the department is aided with modern spatial tools to facilitate students, teachers, and researchers to draw solutions to the spatial problem through geospatial analysis and visualization.

#### **ARTICLE 4- MANAGEMENT**

EOSDC of CNSA will monitor the implementation of the MOU and AIRCAS is nominated to execute the MoU in China. Department of Geography and Environment of JnU is nominated to monitor and execute the MoU in Bangladesh, and responsible to assign a dedicated team to operate the Bangladesh Scientific Research Node to support joint research and experiments on mutual interest as well as the exchange of its results.

Each party will make sure of any kind of convenience and support when a need for each other including the procurement of visas and arrangements for lodging, board, and transportation on forth.

#### **ARTICLE 5 – INTELLECTUAL PROPERTY RIGHTS**

Each Party shall ensure adequate and effective protection of intellectual property rights generated or provided in the course of cooperative activities undertaken within the framework of this MoU according to their respective laws, regulations, national policies.



## ARTICLE 6- ENTRY INTO FORCE

This MoU will enter into force upon the date of signing by all the Parties and remain valid for five years and shall terminate automatically upon expiration. It will be modified only if it is mutually agreeable to the Parties. Any modification will be included in a written amendment to this MoU, signed by the Parties.

IN WITNESS WHEREOF, the undersigned, being duly authorized thereto, have signed this MoU.

Done at Wenchang Hainan Province, People's Republic of China, in duplicate in English, all texts being equally authentic, and each party shall retain one copy.


Signed on behalf of  
The Earth Observation System and Data Center  
of China National Space Administration  
(EOSDC of CNSA)

Signed on behalf of  
Jagannath University {Applicable for  
Department of Geography and Environment}  
(JnU)

  
.....

(Director)

The Earth Observation System and Data Center  
(EOSDC)

  
.....


(Treasurer)

Jagannath University, Dhaka, Bangladesh

Witness:

**Prof. Li Guoqing**  
Researcher  
Aerospace Information Research Institute,  
Chinese Academy of Sciences (AIRCAS)  
Date: 24. 11. 2023

Witness:

  
**Engr. Md. Ohiduzzaman**  
Registrar  
Jagannath University, Dhaka-1100,  
Bangladesh.  
Date: 24.11.2023