



MEMORANDUM OF UNDERSTANDING

BETWEEN



VIETNAM INSTITUTE OF GEOSCIENCES AND MINERAL RESOURCES

MINISTRY OF AGRICULTURE AND ENVIRONMENT

OF THE SOCIALIST REPUBLIC OF VIET NAM

Ha Noi, Vietnam

AND

DEPARTMENT OF CONVERGENCE & FUSION SYSTEM ENGINEERING

THE GRADUATE SCHOOL

KYUNGPOOK NATIONAL UNIVERSITY

Daegu, Republic of Korea

This Memorandum of Understanding (from now on referred to as MOU) is entered into by and between the Vietnam Institute of Geosciences and Mineral Resources (from now on referred to as VIGMR) and Department of Convergence & Fusion System Engineering, The Graduate School, Kyungpook National University, Republic of Korea (from now on referred to as CFSE).

VIGMR and CFSE (from now on referred to as Parties) entered into the MOU to develop mutually beneficial and meaningful research, development, and cooperation to maximize commercialization through Research and Development outcomes such as source technology and have reached the following understanding:

Article 1: FORMS OF COOPERATION

The cooperation may be conducted in the following forms:

1. Collaboration on individual research projects of mutual interests and the study of techniques and methods;
2. Exchange of personnel through mutual collaborative projects;
3. Exchange of scientific and technical information;
4. Joint organization of symposia, conferences, workshops, and lectures;
5. Technical training of researchers and experts; and
6. Other forms of cooperation as may be mutually agreed between Parties.

Specific cooperative projects under this MOU will commence after both Parties have signed an Annex Agreement.



Article 2: AREAS OF COOPERATION

Specific areas of cooperation may include, but are not limited to, the following activities:

1. Cooperation in research and development of system engineering technologies in plant system engineering, interdisciplinary technologies in the emerging energy industry sector, aeronautical–satellite system engineering, and geospatial information technology for monitoring and managing geological and mineral resources;
2. Development and transfer of interdisciplinary technological solutions based on artificial intelligence, automation, sensing technologies, and satellite systems to support studies in geology, mineral resources, environmental geology, and geotechnics;
3. Research and implementation of systems for collecting, processing, integrating, and analyzing geological and mineral resource data, groundwater data, marine geology data, geoheritage and geopark data using GIS, remote sensing, and satellite-based technologies;
4. Cooperation in training and capacity building, including education in artificial intelligence, plant system engineering, satellite engineering, geospatial technologies, practical training, specialized workshops, and exchange of research personnel;
5. Development of technologies for sustainable management of geological and mineral resources, including 3D geological–geotechnical modeling, mine monitoring, geological hazard assessment, and satellite-based early warning applications;
6. Implementation of other cooperative research and projects aligned with the training, research, and development programs of both Parties in system engineering, satellite–geospatial engineering, and geological sciences.

Article 3: PROCEDURE FOR INDIVIDUAL PROJECT

The activities to be undertaken by each Party will be based upon individual project or program agreements as Annex Agreements between the Parties. The specific Annex Agreement implemented under this MOU, including, if necessary, details of financial arrangements, the allocation and protection of intellectual property rights, and general terms and conditions, will be confirmed in writing between the Parties before the commencement of the project or program. These Annex Agreements will include the specific work plans involving staffing requirements, cost estimates, funding sources, and other undertakings, obligations, or conditions not included in this MOU.

Article 4: RIGHTS OF INFORMATION, DATA, AND INNOVATIONS

All scientific, technical, and development information and data used or derived from work performed under this MOU or any Agreement hereto will be freely exchanged between the Parties

except for such information and data that the Parties identify as requiring protection under the law and regulation, in writing, of the respective Parties, or otherwise susceptible to protection as its proprietary data. Either Party, after consultation with an agreement by the other Party, may, at its discretion and subject to its national law, publish the information and data exchanged. Each Party is to respect and acknowledge the other Party's copyright for information and data.

Article 5: REVIEW OF ACTIVITIES

Except for specific projects or programs excluded by mutual agreement, each Party reserves the right to review activities carried out under this MOU or any Annex Agreement to the MOU. Each Party agrees to inform the other of the outcome of any review of the activities.

Any intention by Party to substantially modify or discontinue a project or program shall be the subject of reasonable notice to the other Party.

Article 6: DISPUTE RESOLUTION

Any disputes between the Parties which arise over the interpretation and application of this MOU will be settled through direct negotiations and consultation between the Parties.

Article 7: ENTRY INTO FORCE, AMENDMENT AND TERMINATION

This MOU shall enter into force upon signature and remain in force for five (5) years. It may be automatically extended if the two Parties have retained the exact content of the MOU. This MOU may be amended upon prior agreement between the Parties.

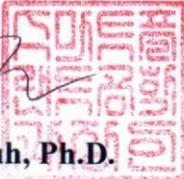
This MOU may be terminated at any time by either Party upon six (6) months' advance notice to the other Party. The termination of this MOU shall not affect the completion of specific activities initiated and uncompleted.

IN WITNESS, this MOU has been duly signed in the English language (on copy for each Party) in Daegu, Republic of Korea on ____/____/2026

On behalf of VIGMR


Name: **Trình Hai Sơn**
Title: Director

On behalf of CFSE


Name: **Dongjun Suh, Ph.D.**
Title: Chairman