



Delibera n. 234/2021

26 Novembre 2021

Allegato AK al Verbale n. 06/2021

Oggetto: Memorandum of Understanding between Istituto Nazionale di Geofisica e Vulcanologia (INGV) and Military Institute of Science and Technology (MIST) Bangladesh

IL CONSIGLIO DI AMMINISTRAZIONE

VISTO il Decreto legislativo 29 settembre 1999, n. 381, concernente la costituzione dell'Istituto Nazionale di Geofisica e Vulcanologia (INGV);

VISTO il Decreto Leg.vo 25/11/2016, n. 218, concernente "Semplificazione delle attività degli Enti Pubblici di Ricerca ai sensi dell'art. 13 della Legge 7/08/2015, n. 124";

VISTO lo Statuto dell'INGV, approvato con Delibera del Consiglio di Amministrazione n. 114/2020 del 19 giugno 2020, emanato con Decreto del Presidente n. 78/2020 del 27/10/2020, pubblicato sul Sito WEB istituzionale – Avviso di emanazione di cui al Comunicato su Gazzetta Ufficiale della Repubblica Italiana - Serie generale - n. 264 del 24 ottobre 2020, in particolare, l'art. 8, comma 6, lettera f), il quale prevede che il CdA "*omissis....delibera la partecipazione a società, fondazione e consorzi, nonché la stipulazione di accordi con organismi nazionali, europei e internazionali*";

VISTO il Regolamento di Organizzazione e Funzionamento dell'INGV, emanato con Decreto del Presidente n. 36/2020 del 22/04/2020, pubblicato sul Sito WEB istituzionale e in particolare, l'art. 29 il quale disciplina le *Collaborazioni con soggetti esterni*, stabilendo al primo comma che: "*I rapporti di collaborazione nell'attività di ricerca tra l'Ente e soggetti pubblici e privati, italiani e stranieri sono regolati attraverso contratti aventi come riferimento di massima la seguente tipologia: protocolli d'intesa, accordi di programma quadro, convenzioni operative*";

VISTO il Regolamento del Personale, emanato con Decreto del Presidente n. 12/2021 del 25/02/2021, pubblicato sul Sito WEB istituzionale;

VISTO il Regolamento di Amministrazione, Contabilità e Finanza, adottato con Delibera del Consiglio di Amministrazione n. 145/2020 del 22 luglio 2020, ed emanato con Decreto del Presidente n. 75/2020 del 21 ottobre 2020;

VISTO lo schema del Memorandum of Understanding between Istituto Nazionale di Geofisica e Vulcanologia (INGV) and Military Institute of Science and Technology (MIST) Bangladesh;

RITENUTO opportuno per l'INGV procedere alla sottoscrizione del predetto Memorandum, che ha a oggetto la cooperazione scientifica ed educativa relativamente ai settori "Fisica Ionosferica" e "Spazio Meteorologico" svolta sulla base di pari e reciproco vantaggio;



CONSIDERATO che la predetta collaborazione internazionale si attua attraverso: a) lo scambio di visite di studiosi; b) la partecipazione a programmi di ricerca; c) l'organizzazione di campagne congiunte di acquisizione dati; d) l'organizzazione di incontri scientifici, seminari e corsi sui temi previsti dall'Accordo; e) lo scambio di informazioni scientifiche e articoli scientifici;
VISTO il parere favorevole del Direttore di Sezione e del Direttore di Dipartimento;
su proposta del Presidente,

DELIBERA

L'approvazione dello schema del Memorandum of Understanding between Istituto Nazionale di Geofisica e Vulcanologia (INGV) and Military Institute of Science and Technology (MIST) Bangladesh

, allegato alla presente quale parte integrante e sostanziale (all.1).

Viene dato mandato al Presidente dell'INGV alla sottoscrizione definitiva dell'atto in questione.

Firmato il 06/12/2021

Depositato presso la Segreteria del Consiglio in data 06/12/2021

La segretaria verbalizzante
(Dott.ssa Maria Valeria INTINI)

IL PRESIDENTE
(Prof. Carlo DOGLIONI)

**COOPERATION AGREEMENT ON MUTUAL IONOSPHERIC RESEARCH BETWEEN
ISTITUTO NAZIONALE GEOFISICA AND
MILITARY INSTITUTE OF SCIENCE AND TECHNOLOGY**

The Istituto Nazionale di Geofisica e Vulcanologia, hereafter “INGV”, with address Via di Vigna Murata 605, 00143 Rome (Italy), represented by its President, Prof. Carlo Doglioni.

AND

The Military Institute of Science and Technology, Bangladesh hereafter “MIST”, with address Mirpur Cantonment, Dhaka-1216, Bangladesh, represented by its Colonel Staff, Colonel Abul Hasnat Mohammad Sayem, BGBMS, afwc, psc.

INGV and MIST, both hereinafter referred to collectively as “Parties” and individually as a “Party”.

CONSIDERING THAT

1. MIST is committed to foster research and capacity building in the field of science and technology including atmospheric and related sciences. MIST endeavours to understanding the atmosphere (the air around us) and the interconnected processes that makeup the Earth system, from the ocean floor through the ionosphere to the Sun’s core.
2. The core missions of MIST and INGV are as follows:
 - a. To provide comprehensive education and conduct research in diverse disciplines of science, engineering, technology, and engineering management.
 - b. To produce technologically advanced intellectual leaders and professionals with high moral and ethical values to meet the socio-economic development of Bangladesh and global needs.
 - c. To conduct collaborative research activities with national and international communities for continuous interaction with academia and industry.
 - d. To provide consultancy, advisory, testing, and other related services to government, non-government and autonomous organizations including personal for widening practical knowledge and to contribute in sustainable development of the society.
 - e. Mission, specific to this cooperation agreement is to improve our understanding of the behaviour of the entire spectrum of the Earth’s atmosphere; promote capacity development in relevant atmospheric sciences as a way of facilitating international competitiveness in research being conducted by atmospheric scientists; and disseminate atmospheric data/products to users towards socio-economic development of the Nation.
 - f. MIST in its strategic plan operates in three modes, viz: education, research and observations. The education activities include offering various undergraduate and postgraduate programs, capacity building programs including short courses and workshops; research is carried out in various fields of science, engineering and technology; while observations include setting up laboratories and ground observational facilities e.g. for monitoring the entire spectrum of the Earth’s atmosphere.
 - g. INGV is currently the largest European public research institution in Geophysics and Volcanology.
 - h. INGV main mission is the monitoring and the study of geophysical phenomena in both the solid and fluid components of the Earth. In particular, INGV owns and manages permanent ionospheric and geomagnetic observatories and networks collecting measurements at the base of important achievements in the space weather field.
 - j. INGV Roma2 scientific activities focus on the systematic observations of geomagnetic and ionospheric phenomena providing radio propagation and space weather services.

k. Based on this common goal between INGV and MIST; it is possible and useful for mutual benefits, to establish a closer collaboration between the two institutes to develop scientific and technological activities;

3. Considering the development of cultural and scientific cooperation to be of mutual advantage to both parties, and desiring to reinforce such cooperation, the parties agree on the following points:

a. Scientific and educational cooperation shall be undertaken in the field(s) of:

- (1) Ionospheric Physics.
- (2) Space weather.

Such cooperation shall be carried out on the basis of equal and mutual advantage, taking into consideration, through mutual consent, the budget available at the moment in time and the experience acquired by the interested scholars from both parties.

b. In order to achieve the objectives set out in para 3(a), scientific and educational cooperation may be implemented in the following ways:

- (1) Exchange of visits by scholars;
- (2) Participation in research programmes;
- (3) Organization of joint data acquisition campaign;
- (4) Organization of scientific meetings, seminars and courses on subject(s) laid down in the Agreement;
- (5) Exchange of scientific information and scientific papers.

c. To realize the afore-mentioned points, it is possible to promote a reciprocal exchange of scientific staff between both parties, in accordance with the available budget. The contracting parties undertake to cover the cost of return journeys and residence costs undertaken by their own scholars (visiting professors). The exchange of scholars, within the conditions stated above, shall, in all circumstances, be based on a condition of reciprocity.

d. Two months before the presumed starting date of planned activities, the respective scientific scholars involved in the project in both institutions shall make contact, exchanging all the necessary information about procedures, times and everything required for the effective execution of the programme.

e. The respective scientific scholars responsible for the project are **Dr. Claudio Cesaroni for INGV** and **Dr. Md Golam Mostafa for MIST**.

f. Scholars sent by one institution to the other must have both medical and accident insurance. This may be provided either by their home institution, according to its own regulations, or it may be directly set up by the interested person, through the stipulation of a policy with an insurance agency guaranteeing the above mentioned risks.

g. Each party shall ensure, in compliance with its respective laws and regulations, any kind of assistance and facilities for scholars temporarily residing on its territory, allowing them to perform the assigned tasks under provisions of this Agreement.

h. This Agreement is subject to the approval of the competent authorities, according to the national laws of each University, and will come into force when the signatures by MIST Colonel Staff and INGV-President are affixed.

j. MIST agrees to provide necessary local help for any equipment installation and onsite training in Bangladesh, such as a mounts for antenna and training organization, etc. and data collected in the ionospheric observational stations and initiatives within the framework of this Agreement shall be available to both Parties. The availability to a third Party shall be evaluated and mutually agreed on a case-by-case basis. MIST agrees to guarantee the in time data transmission of the observed parameters to INGV for related research.

k. The scientific and technical results derived from the observing data from any station or equipment establishment arising from this agreement shall be shared and published mutually.

l. This agreement shall remain in force for three years and may be terminated by either party with a minimum of 120 days written notice. Activities in progress at the time of termination of this Agreement shall be permitted to conclude as planned unless otherwise agreed.

m. Parties may apply for renewal of the Agreement for a further period of equivalent duration. If not renewed, the Agreement expired ceases its effects, without prejudice to the continuation of any ongoing activities.

n. An arbitrators' council, made up of a member chosen by each contracting party and a jointly chosen one, shall resolve any eventual controversy concerning the interpretation and application of this Agreement.

p. This Agreement shall enter into force upon signature by both Parties and remain in force for 3 (three) years. It may be amended, or terminated with written notice of one of the Parties at any time 120 days in advance.

For Istituto Nazionale di Geofisica e Vulcanologia, Italy	For Military Institute of Science and Technology (MIST), Mirpur Cantonment, Dhaka-1216, Bangladesh
	
Prof. Carlo Doglioni President of INGV Date August 2021	Colonel Abul Hasnat Mohammad Sayem, BGBMS, afwc, psc Colonel Staff, MIST Date 18 August 2021