

MEMORANDUM OF UNDERSTANDING

Between

**Earth System Science Organization-Ministry of Earth Sciences
of
The Republic of India**

And

The University Corporation for Atmospheric Research (UCAR)

For

COOPERATION IN THE FIELD OF EARTH SYSTEM SCIENCES

The **University Corporation for Atmospheric Research (UCAR)**, USA, and the Earth System Science Organization-Ministry of Earth Sciences (ESSO-MoES) of the Republic of India (hereinafter referred to as the "Parties"),

Whereas the UCAR , is a consortium of more than 100 member colleges and universities focused on research and training in the Earth system sciences as well as various research laboratories that carry out cutting-edge research in the Earth System sciences which contributes substantially to solving the grand challenges of science, society and industry.

Whereas ESSO-MoES conducts scientific and technical research in activities related to Earth System Science and translates the same into societal benefit.

Concurring on the importance of scientific and technical cooperation in Earth System Sciences including capacity building through training,

Given the excellent scientific and technological research opportunities existing in the two countries in the field of Earth System Science Research,

Recognizing that such cooperation is of benefit to both countries, and

Understanding the importance of promoting a closer working relationship to address Earth System Science issues of common concern,

Now, Therefore, ESSO-MoES and UCAR have reached the following understanding:

Article I

Purpose of Memorandum

The purpose of this Memorandum of Understanding (hereinafter referred to as "MOU") is to facilitate arrangements and understandings that lead to cooperation and coordination of various activities and programs in Earth System Sciences.

The broad objective of the cooperation is to allow the exchange of scientific resources as well as personnel and technical knowledge to support the improvement or development of programs in Earth System Sciences for both Parties.

Article II Scope of Cooperative Activities

Cooperative activities are specific activities in scientific areas of mutual interest undertaken by the Parties and their subsidiary entities. Activities may include, but are not limited to areas such as:

1. Wind Profiler System Development
2. Radar Meteorology
3. Airborne platforms and Aircraft facilities
4. Nowcasting of severe weather events
5. Hydrometeorology
6. Satellite /Remote Sensing data related research and development
7. Oceanographic and climate research
8. Capacity Building through scientific lectures and distance learning etc.
9. Urban Flooding

Activities that facilitate the collaborative and mutual exchange of scientific and technical experts for the furtherance of mutual project objectives;

Activities that support one or more objectives as identified in an international/regional forum in which the Parties participate; and

Additional activities of scientific and technical cooperation as may be mutually agreed.

Article III Responsibilities of the Parties

The Parties shall be responsible for coordinating and engaging with other organizational entities in their own countries, as appropriate and necessary, for the completion of the tasks designated pursuant to this Memorandum of Understanding. Other responsibilities include:

1. Management and coordination of activities undertaken under the auspices of this Memorandum of Understanding;

