THE ISLAMIC REPUBLIC OF IRAN

MINISTRY OF FOREIGN AFFAIRS

PERMANENT MISSION TO THE UNITED NATIONS

AND OTHER INTERNATIONAL ORGANIZATIONS

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Statement

By

the Delegation of the Islamic Republic of Iran

at

The Sixty sixth session of the Committee on the Peaceful Uses of Outer Space

COPUOS

Agenda item 11: Space and Climate Change

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“In the name of God, the Compassionate and the Merciful”

Mr. Chairman,
Distinguished delegates,

During the past two decades, climate change has become a global priority, and Earth Observation (EO) is playing an increasing role to better understand monitor and track this phenomenon. EO satellites have also enabled researchers to investigate the causes of climate change, such as the role of human activities and natural processes. Iran’s expertise in the analysis of climate related data from EO satellites can support the development of space-based monitoring systems on climate changes and the related efforts to mitigate the risks.

Mr. Chairman,

In the field of Earth Observation, Iranian Space Agency (ISA) funds and helps the programs not exactly but related to climate changes monitoring and risk assessment through developing the EO-based monitoring systems. These programs cover the activities from capacity building to application development in order to harness the EO data and other geo-spatial tools for hazard mitigation and risk assessment.

An example of such activities is the Flood Early Warning and Rapid Mapping Dashboards, which is under development and will enable the end-users with most up-to-date information from EO satellites regarding flood hazard prediction and damage assessment. Another example of such efforts is developing the Drought Monitoring and Risk Assessment Dashboards that uses the latest drought prediction and monitoring algorithm as well as EO data to generate the national and regional drought related hazard maps.

Mr. Chairman,

The ISA is working with Asia-Pacific Space Cooperation Organization (APSCO) to enhance the awareness and expertise among its Member States regarding the usage of space-based data to tackle with climate changes and building the resilience. An example of such a collaboration is the training project related to flood mapping techniques and the development of dedicated processing systems for estimating the soil moisture.

I thank You Mr. Chairman