

Agenda Item 6: Space-system-based Disaster Management Support

Republic of Korea

**UN COPUOS Scientific and Technical Subcommittee,
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Thank you, Chair.

The climate crisis tends to aggravate the natural disasters, such as wildfires, floods, and typhoons, causing significant challenges like food insecurity, economic losses, and biodiversity loss. Addressing these issues requires global collaboration and innovative solutions, including the use of satellite technology.

In 2024, the Republic of Korea outlined its commitment to strengthening its role in the international community through the Third Satellite Information Utilization Plan. This includes expanding the provision of satellite data and offering educational support in collaboration with international disaster satellite information organizations, such as the International Charter on Space and Major Disasters.

As a contributing member of the International Charter, Korea provides high-resolution imagery from its KOMPSAT and CAS-500 satellite series and conducts emergency response training to support global disaster response efforts. In 2023 alone, we provided 1,179 satellite images to the Charter, followed by 877 images in 2024, supporting the analysis of 110 disasters across approximately 60 countries.

Korea's sub-meter resolution satellite imagery has proven invaluable

in disaster response. For example, it enables the detection of detailed changes in critical infrastructure, such as buildings and roads, impacted by floods and typhoons. In April 2024, we provided satellite imagery to assist with flood response efforts in Brazil, and in May 2024, we supported similar efforts during floods in Uruguay.

Through these contributions, the Republic of Korea remains committed to enhancing international disaster response capabilities and strengthening global cooperation in the face of the climate crisis.

Thank you.

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