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Agenda Item No. 07: Space-System-Based Disaster Management Support

Thank you Chair

Pakistan's National Space Agency, SUPARCO, is responsible for providing space-based information to national and provincial disaster management authorities during natural events such as floods, droughts, landslides, GLOFs, and earthquakes. This support is being facilitated through a dedicated geospatial web portal, DisasterWatch. In addition to supplying rapid GIS maps along with spatial statistics, technical assistance is extended for the execution of Multi-Hazard Vulnerability and Risk Analysis (MHVRA) studies in highly susceptible districts.

In addition, Pakistan is also developing a geo-referenced database for the National Disaster Risk Management as part of the NatCat Model project. This initiative aims to establish baseline data for quantifying Total Value at Risk (TVAR) in terms of probabilistic hazards' magnitude and frequency concerning floods, droughts, earthquakes, and cyclones.

Chair

Pakistan is also actively engaging with UN-SPIDER and the Sentinel Asia Framework. In 2023, SUPARCO, Pakistan's National Space Agency, participated in the UN-SPIDER Annual Regional Support Meeting in Vienna and the UN-SPIDER/CEU Workshop on "Geospatial Technologies for Achieving SDGs - Building Resilience" in Budapest, Hungary. Furthermore, as a member of Sentinel Asia serving as the Data Analysis Node (DAN), SUPARCO contributed to the Sentinel Asia Joint Project Team Meeting (JPTM) in Jakarta, Indonesia.

Looking forward, Pakistan aims to join the International Charter Space and Major Disasters as well as Sentinel Asia's Data Provider Node (DPN), with the goal of offering space-based information during major natural disasters. This membership will enable SUPARCO to assist distressed countries by providing crucial data for effective rescue and relief efforts.

I thank you

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