

## INTERVENTION OF THE INDONESIAN DELEGATION

Agenda item 8. Space Debris

Thank you for giving me the floor,

Madame Chair.

Indonesia associates itself with the statement made by the G77 and China, and wishes to add the following in its national capacity.

The proliferation of space debris is a serious concern for the safety of space operations and the sustainability of outer space activities. It was noted that this trend was reinforced by the increasing deployment of small satellites and mega constellations.

Space debris continues to be a worrying issue that calls for immediate measures. Having active space programs and observing space environment protection as stated in the Law of the Republic of Indonesia Number 21 of 2013 on Space Activities, Indonesia closely monitors the space debris development.

According to the Law on Space Activities, National Institute of Aeronautics and Space (LAPAN) has obligation in monitoring and mitigation of artificial space objects that fall on Earth, especially in our territory. In this regard, Indonesia has been conducting space debris-related researches and observations which include observation, modeling, and mitigation in the framework of carrying out the mandate of this Law we are still mitigating the downfall of space debris by developing an online monitoring system based on data obtained from SpaceTrack.

The monitoring is automatic, providing information on artificial falling objects that have the potential to fall over the territory of Indonesia. To strengthen the monitoring of space debris, LAPAN is building a new observation facility in eastern Indonesia, in the province of East Nusa Tenggara. This facility has been built since 2017, and is expected to start operating in 2021. This facility is expected to accelerate space debris observation activities in Indonesia and also could be utilized by cooperation with other countries to contribute to the observation and mitigation of the impact of falling space debris on the Earth.

Reflecting on the experience of the fall of artificial space objects (space debris) in Indonesia, such as what happened in Madura, West Sumatra, Gorontalo, Bengkulu, LAPAN is planning to build a Space Falling Decision Supporting System (DSS), which can provide information about possible fall of artificial objects for example, satellites which are no longer functioning in the territory of Indonesia.

We understand that to get good accuracy regarding the possibility of the location of the space debris falling is very difficult, for that we need cooperation with developed countries and with the association of space debris observers who have more modern and precise observation technology. We look forward to collaborating not only on the 'observation network' but also on sharing data and data processing systems.

Indonesia keeps its active efforts to support international measures to attain a space debris solution, without inhibiting the progress of space program of emerging countries. Therefore, the cooperation with spacefaring countries needs to be strengthened in order to accommodate the transfer of knowledge, capacity improvement, data and information and analysis methods.

I Thank You Madame Chair