

INTERVENTION OF THE INDONESIAN DELEGATION
Agenda 7: Remote sensing

Madame Chair,

Indonesia attaches great importance to the application of remote sensing to monitor the Earth's environment with space-based technology. Under this agenda item, my delegation will share some important steps Indonesia has taken to advance national efforts in developing remote sensing activities.

LAPAN continue to explore the use of remote sensing satellite data for Indonesia's earth observation system and disaster mitigation. Some systems were developed by LAPAN, such as to develop SPACeMAP prototypes for fast, easy, safe and popular data services; LAPAN Engine to facilitate users in processing data; create an Android-based national earth monitoring system (SIPANDORA) to facilitate access to information on natural resources and the environment; and several automation systems to accelerate information services for stakeholders and users.

Madame Chair,

This year is the beginning of new National Priority Program to develop Remote Sensing application platform that can automatically process the satellite data and send the information directly to the existing monitoring system within other institutions in Indonesia for several thematic purposes, from disaster mitigation to paddy field monitoring. This National Priority Program will be executed by many institutions in Indonesia with LAPAN act as coordinator.

On the other hand, LAPAN also explored several collaborations with international partners. These collaborations were done or plan to enhance Indonesians capacity to use remote sensing data for natural resources monitoring and disaster mitigation. Such collaborations are:

- Wageningen University, The Netherlands to monitor peat land from radar and optical satellite data*
- CSIRO, Australia to monitor blue carbon*
- NOAA, USA to monitor forest fire*
- JAXA, Japan to monitor agro-climate in Indonesia related to paddy growth.*
- GISTDA and UNESCAP to develop smart cities using information from remote sensing*
- Geoscience Australia to use data cube for BIG data processing and database*
- SAFE Project related to haze monitoring with Tokyo Univesity*
- ESA and ADB for disaster mitigation workshop*

Indonesia also participated in United Nations/China Forum on Space Solutions: Realizing the Sustainable Development Goals, 24-27 April 2019, Changsha, China, and AOGEO meeting in Canberra, Australia in November 2019.

Thank you.