

Madam Chair, distinguished delegates,

Israel considers remote sensing to be of high importance. Therefore, Israel invests in developing technologies and applications and promoting them in the scientific, commercial and educational sectors. I would like to share with you some of our national activity, as well as our international cooperation in the field of Earth observation and its application.

Madam Chair,

I would like to address the success of Venus, a satellite that is a cooperative scientific Earth observation mission of CNES and ISA. Venus delivers images with high resolution, excellent photometric quality in 12 bands and exceptional revisit time of 2 days to 125 sites around the globe, enabling research on precise agriculture, water quality identification and other environmental parameters studies by researchers from around the globe. At the beginning of 2022, Venus will continue its scientific activity with higher resolution and revisit time of one day, for two additional years. This mission is an opportunity for data sharing and scientific collaboration with space agencies, including potential collaboration with the UAE as well as other States, collaboration that will enable the advancement of research on climate and common ecological phenomena.

An Additional objective of Israel Space Agency is to foster international cooperation based on remote sensing application. In this framework, Space Florida and ISA will promote a joint call for proposal for cooperation of universities from both sides dealing with remote sensing application. In addition, we are discussing with other agencies the possibility of promoting similar projects of environmental applications.

Madam Chair,

Following Venus, ISA is working together with the Italian Space Agency (ASI) on the SHALOM Project, which is the most advanced hyperspectral mission. SHALOM is a hyperspectral commercial satellite with 250 spectral bands which enable addressing environmental issues such as precise agriculture, water bodies monitoring that improve water preservation and water quality and promoting different environmental issues. We hope to launch its full-scale development shortly.

Madam Chair,

A significant scientific mission of atmospheric and environmental study is being carried out by CNES and ISA, which is named C3IEL. The mission includes a cluster of nano-satellites for cloud evolution study and lightning imaging.

Since last June, Israel is a member of the CNES initiative for Space Climate Observatory and it intends to take an active role in this initiative to promote data sharing for the purpose of climate monitoring.

Madam Chair

Israel uses remote sensing data for encouraging children and youth in STEM education. In the last three years, we have been supporting various high school programs, which are based on VENUS data.

It is Israel's intention to continue and develop remote sensing capacity within its industries and different sectors, including science, education and commerce.

We believe that joint efforts and collaboration between States with respect to remote sensing is instrumental to advancing the UN Sustainable Development Goals.

Israel intends to further its cooperation and collaboration on this key topic. I thank you for your attention.