

## **Workshop of the Working Group on the Long-term Sustainability of Outer Space Activities**

### **Panel 3 - Scientific and technical research**

**Abstract of Aya Iwamoto, Vice President, Policy and Government Relations at Astroscale Japan Inc. (nominated by Japan)**

**“Transforming the future of the space economy and sustainability through On-Orbit Servicing- Astroscale Japan’s Efforts”**

1. This presentation aims to outline Astroscale Japan's ADRAS-J mission/ Japan Aerospace Exploration Agency's (JAXA) Commercial Removal of Debris Demonstration (CRD2) Phase 1 project. Our goal is to contribute to the remediation of the orbital environment through On-Orbit Servicing (OOS).
2. The Commercial Removal of Debris Demonstration (CRD2) by JAXA involves the technology demonstration of removing large-scale debris from orbit, a collaboration with the private sector. As the commercial partner for Phase 1 of CRD2, Astroscale Japan is responsible for the design, manufacture, testing, launch, and operations of the ADRAS-J spacecraft.
3. The ADRAS-J is expected to be launched in early 2024. The mission represents a pioneering effort to approach, observe, inspect, and maneuver around a client object, specifically a Japanese upper stage rocket body. The objective is to support future debris removal initiatives. Additionally, it serves as the first mission to address policy and regulatory aspects based on the Japan’s OOS guidelines for a mission license.