

8th Satellites End of Life and Sustainable Technologies Workshop



CNES' Headquarters in Paris January 22 and 23, 2020





- IADC guide lines, ISO 24113 and different national laws recommend post mission disposal measures once mission is ended.
 - minimize interferences with the protected regions
 - take measures to reduce risks of accidental break-up by removing stored energy.
 - This aims to guarantee sustainability of space activities by reducing space environment footprint.
- Space operators and manufacturers implement innovative technical and operational concepts to be compliant with these requirements.
- Have an overview of the state of the art in technologies and concepts and discuss way to improve present and relevant future challenges.

Session 1: End of life

- Standards & Best practices
- Post Mission Disposal concepts
- End of life Operation lessons learned
- Reentry & desorbitation concepts
- Reentry Observations
- Mission extension vs end of life

Session 2 : Sustainable Technologies

- Spacecraft reliability vs PMD Probability
- Design for Demise
- ADR Ready,
- Protecting spacecraft against micro-meteroid
- Spacecraft Health Monitoring
- Tools, methodology, initiatives
- Environnement footprint