



Welcome to the Community that works towards a  
Sustainable Space Environment!

Ready to Make a Practical Impact?

Learn more about the [Zero Debris Charter](#) and  
the [Zero Debris Technical Booklet](#)!



# ZD Charter and ZD Technical Booklet

## ZERO DEBRIS CHARTER

- **Non-binding framework** outlining ambitious principles and targets to achieve Zero Debris by 2030
- **Community-driven** initiative fostering collaboration and shared ownership across the **global** space community
- Drafted in a fully **open** and **collaborative** process. ESA only acting as facilitator and repository of signatures
- Published in Oct 2023, now signed by **205 signatories** from **33 countries** (as of November 2025)

## ZERO DEBRIS TECHNICAL BOOKLET

- **Crowd-sourced portfolio of technical solutions** required to achieve the 2030 targets outlined in the ZD Charter
- A technical, **non-binding, collaboratively developed** document, and open to all, **beyond Europe and Charter signatories.**
  - Chapter 1 – Prevent release of debris
  - Chapter 2 – Guarantee timely and successful clearance
  - Chapter 3 – Prevent debris generation through break-ups or collisions
  - Chapter 4 – Improve space traffic surveillance and coordination
  - Chapter 5 – Prevent casualties on ground
  - Chapter 6 – Understand and mitigate adverse consequences of space objects and debris
  - Chapter 7 – From Zero Debris to a circular economy in space



# Forms of Participation

## ZERO DEBRIS CHARTER

- The Zero Debris Charter **entails high-level institutional engagement** by senior management
- Demonstrate organisational commitment to space sustainability and collective action on space debris



## ZERO DEBRIS TECHNICAL BOOKLET

- The Zero Debris Technical Booklet demands the input of **experts with strong technical competencies**.
- Future work on the Technical Booklet will progress through the efforts of dedicated **Technical Working Groups (TWG)** with experts from **professional background**.





# Activities and Opportunities

## ZERO DEBRIS CHARTER



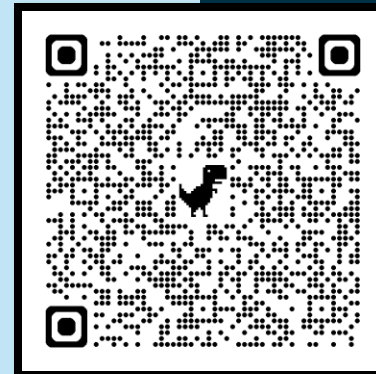
- **Participate in regular community events**, such as the Zero Debris Week, Webinars, and Conferences
- Receive the **Zero Debris Community Newsletter** and stay informed on updates and opportunities
- Take part in the **Coordination Group** contributing to the Zero Debris Technical Booklet

## ZERO DEBRIS TECHNICAL BOOKLET

- Participation in one or more Technical Working Groups (TWGs) focused on the Technical Domains (TD) is possible, contributing to the development and drafting of the new Issue of the Booklet.

### **REGISTER HERE OR SCAN THE CODE!**

- Each Technical Domain (TD) is coordinated by a Technical Lead and a Deputy, who are responsible for organizing the work.
- A Coordination Group oversees the overall development of the Technical Booklet and the outreach plan.





# Points of Contact

## ZERO DEBRIS CHARTER

Protect Accelerator Team ([Protect@esa.int](mailto:Protect@esa.int))

## ZERO DEBRIS TECHNICAL BOOKLET

### PoC per chapter

- Chapter 1+3: [ycyash@amazon.com](mailto:ycyash@amazon.com)
- Chapter 2: [jesus.munoz.tejeda@perseispace.com](mailto:jesus.munoz.tejeda@perseispace.com)
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