

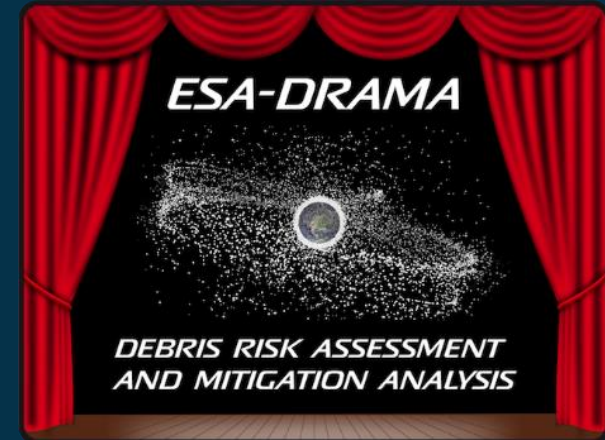
DRAMA Workshop 2025 - Synopsis

17/01/2025

ESA UNCLASSIFIED – For ESA Official Use Only



1. Take stock of community activity
 - working with DRAMA & MASTER
 - measurements & model validation
2. Facilitate and further improve exchange related to
 - space debris mitigation and risk analyses
 - debris mitigation compliance verification tasks
3. Discuss the 2020 – 2024 DMF activities in the context of the Zero Debris approach



- ❑ About 250 participants overall (73 on-site, about 180 online)
- ❑ Debris Mitigation Facility (DMF) & DRAMA 4.x presentation
- ❑ Highlight talks
- ❑ Round tables
- ❑ Clinics

Preliminary conclusions

- Community
- Our standards matured towards more holistic approaches
- Clinics and discussions showed that methods and data exist, are maintained, and need to be shared, made available

Credits: Pedro Sánchez

What's next?

- ❑ Workshop materials will be made available via **proceedings webpage**
- ❑ DRAMA 4.0 to be released by end of January
- ❑ Paper to summarize workshop outcomes (at **IAC 2024 in Sydney (?)**)
- ❑ Next edition
- ❑ What are your impressions? Feedback?



Commercial Mission Analysis Tool

ESA - Market Study

- OKAPI:Orbits and ESA are conducting a market study for viability analysis of a commercial mission analysis tool.
- The [survey](#) is anonymous and takes about 5 minutes to complete.
- The goal is to understand the importance of sustainable mission design and the important key factors for the industry and academia.



9th European Conference on Space Debris

1 – 4 April 2025



The European Conference on Space Debris is the largest dedicated gathering on the subject. Internationally renowned scientists, engineers, operators, industry experts, lawyers and policy makers meet here to discuss different aspects of space debris research, including measurement techniques, environment modelling theories, risk analysis techniques, protection designs, mitigation & remediation, as well linking with policy and regulation.

The 9th edition of this leading conference on space debris matters will provide a unique forum for information exchange, technical discussions and networking between space debris researchers, engineers & decision takers of industry, policy makers & space lawyers, insurance underwriters, space & ground system operators, institutional organizations (e.g. space agencies, EU, UN, IAA, COSPAR), academia, and the defense sector.

Papers will be selected on the basis of:

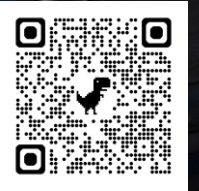
- interest in the subject by the target audience
- relevance to the conference topics
- originality of the ideas presented
- quality and clarity of the content

A “No Paper – No Podium & No Podium – No Paper” rule applies.

Proceedings from the previous conferences are available via <https://conference.sdo.esoc.esa.int/>

Website

<https://space-debris-conference.sdo.esoc.esa.int/>



Important Dates (tentative)

- 1 Oct 2024 Abstract submission starts
- 1 Nov 2024 Registration opens
- 15 Nov 2024 Deadline for abstracts
- 16 Jan 2025 Notification of authors
- 1 Mar 2025 Final program
- 25 Mar 2025 Deadline for full papers
- 1 - 4 Apr 2025 9th European Conference on Space Debris
- June 2025 Publication of proceedings

Conference Venue

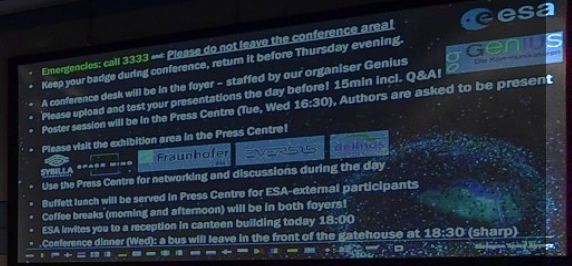
World Conference Center Bonn, Germany

Registration Fees

Registration fees: 800EUR for full participants, 450EUR for students

Point of Contact

Conference Website <https://space-debris-conference.sdo.esoc.esa.int/page/contact> (genius GmbH)



Thank you and Goodbye!

