

Welcome to the DRAMA Workshop!

ESA ESOC

16/01/2025

ESA UNCLASSIFIED – Releasable to the Public



Welcome to the workshop!



Vitali Braun



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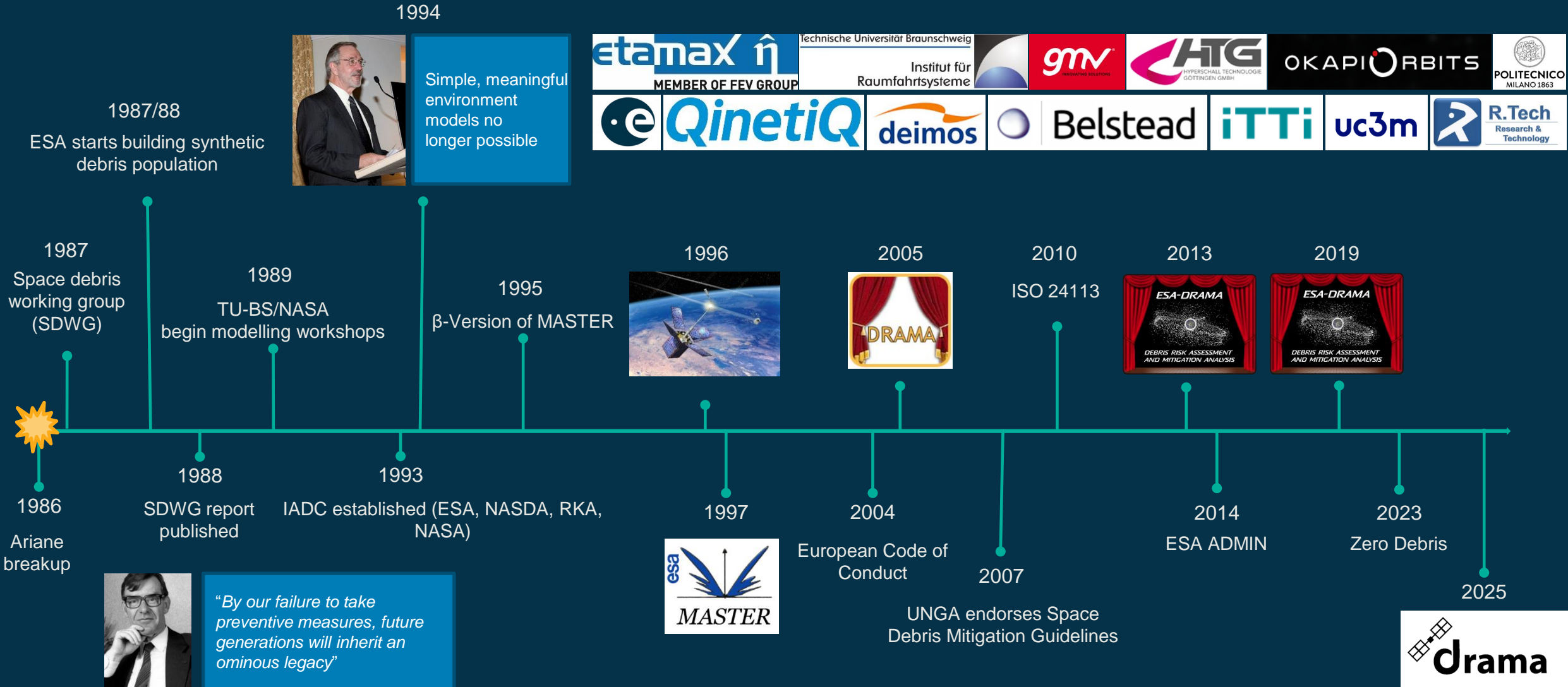
Lucía Ayala Fernández



MASTER & DRAMA workshops

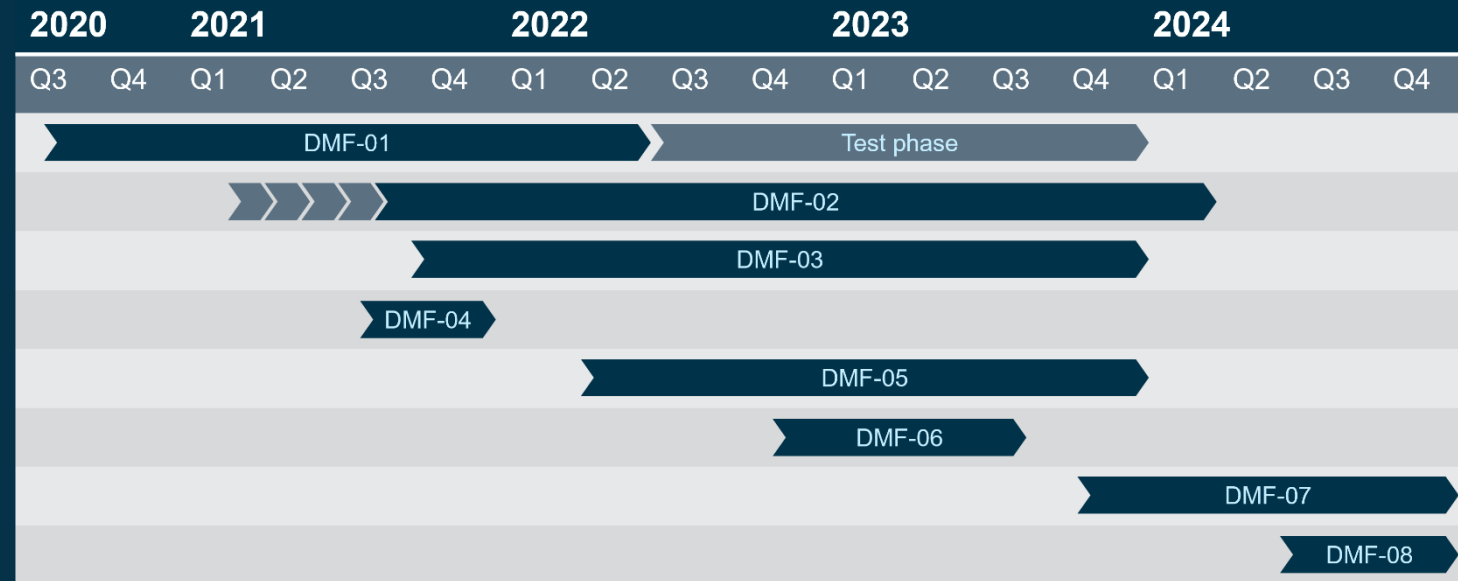


DRAMA history



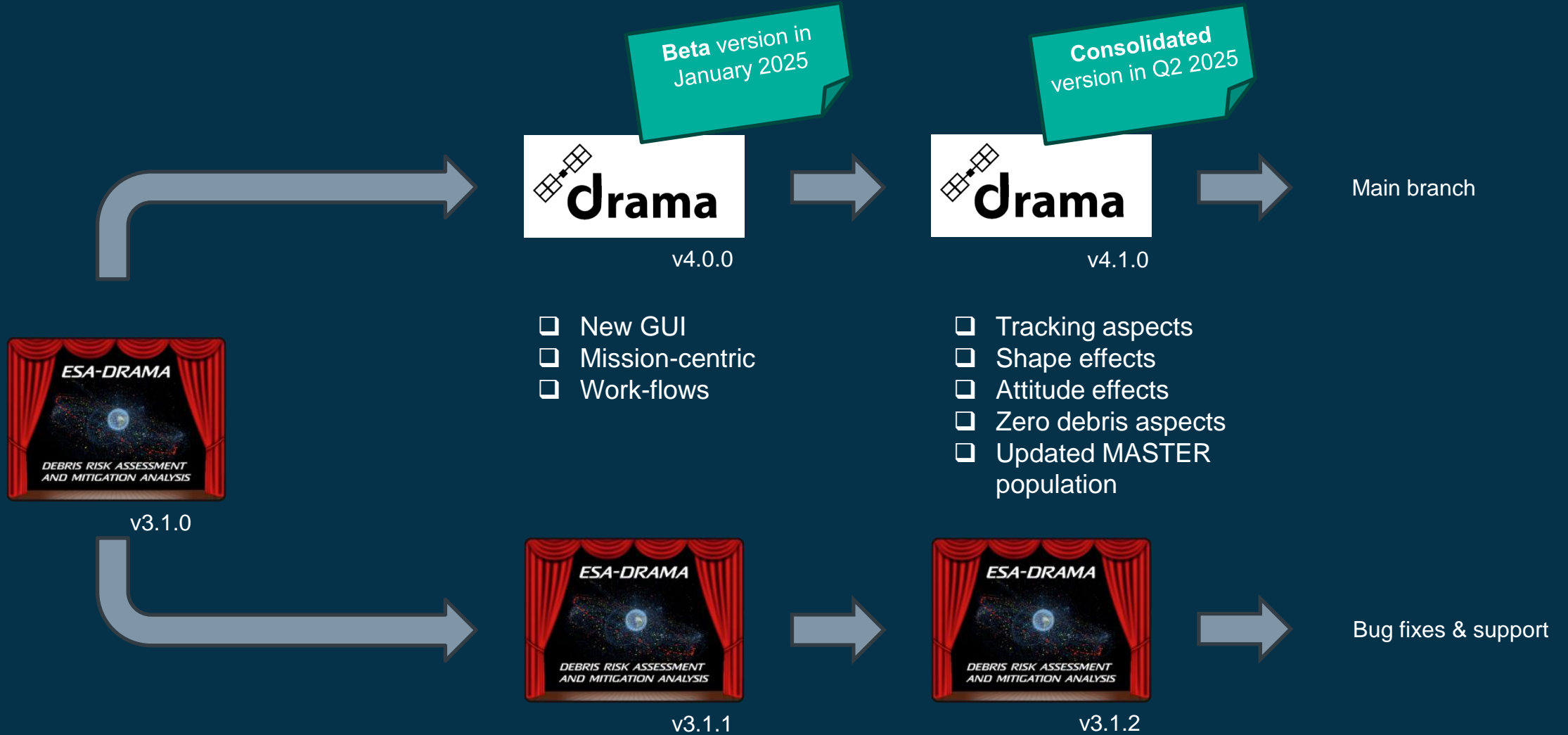
Debris Mitigation Facility (DMF)

- ❑ Single **framework** combining DRAMA and MASTER
- ❑ Move towards **digital engineering**
- ❑ Maximum compatibility with **latest standards**
- ❑ Enabling & strengthening our **community's connection**



- ❑ DMF-01: Framework development & user forum
- ❑ DMF-02: Population upgrade & automation
- ❑ DMF-03: Tool updates
- ❑ DMF-04: Small debris
- ❑ DMF-05: Trackability & cataloguing analyses
- ❑ DMF-06: Re-entry tool improvements (shapes)
- ❑ DMF-07: Frontend and Backend (re)development
- ❑ DMF-08: Re-entry tool improvements (materials)

DRAMA – roadmap



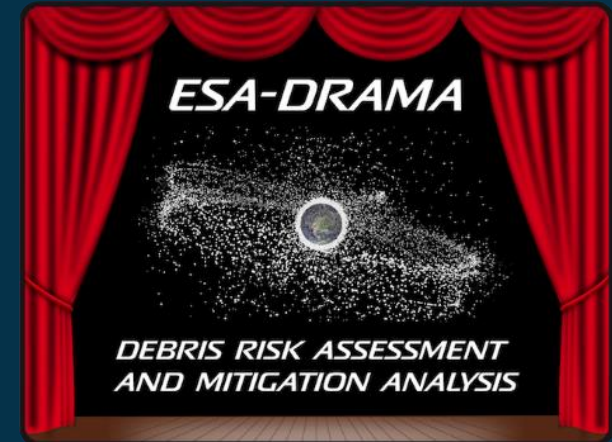
1. Take stock of community activity

- 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



09:30	Welcome & Introduction
10:00	Latest Developments – Towards DRAMA 4.1
11:00	Coffee break
11:30	Highlight Talks
13:00	Lunch break
14:00	Round tables
16:00	Coffee break
16:30	Round table wrap-up
17:30	Coffee break
18:00	Space debris quiz
19:30	Dinner & beers

- 12 min. presentations + 3 min. Q&A
- **Questions:**
 - **Online:** via **Chat** function, raised by moderators
 - **On-site:** raise your hand
- If time permits, more discussion possible, otherwise deferred to **Wrap-up (either today or tomorrow)**.

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- For **on-site participants**: at ESOC canteen, reserved area for us

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- **Round tables on-site only**
- Different topics per group
- Please engage in the discussions!

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- **Only participants can join main virtual room again**
- **Max. 5 min. results presentation** by each group
- Q&A on presentations and group discussions

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- No must – but some joy ahead!
- For **on-site** and **online participants**, link shared **via Email** or **workshop website**

08:45	Meeting for the clinics
09:00	Clinics
	ARES MIDAS OSCAR SARA DRAMA GUI
11:00	Coffee break
11:30	Discussion, Feedback & Conclusion
12:55	Group picture
13:00	End

- **Hybrid setup** in 5 different meeting rooms
- Links (for online participants) shared **via email** and **workshop website**
- For **on-site participants**: we meet at 08:45 and the groups go to their meeting rooms

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- **For online participants:** we need to reach the room, setup etc. – likely to begin at around 9:15

Dinner & Beers – tonight!



Braustüb'l

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Darmstadt

19:30

