



- Approved a last Council Meeting on Ministerial Level
- Funding for 3 years in place
- It is: The old Space Situational Awareness programme + space mission elements























Main activity areas and cornerstones







2 Lagrange Mission



3 Hera



4 In-Orbit Servicing/Removal Mission































 Fundamental activities in the areas of Space Weather, Planetary Defence, Space Debris and Cleanspace



- Space Weather Service Network
- Distributes space weather sensor system
- Fly-Eye Telescope
- Orbital debris sensor
- Laser tracking to space debris targets





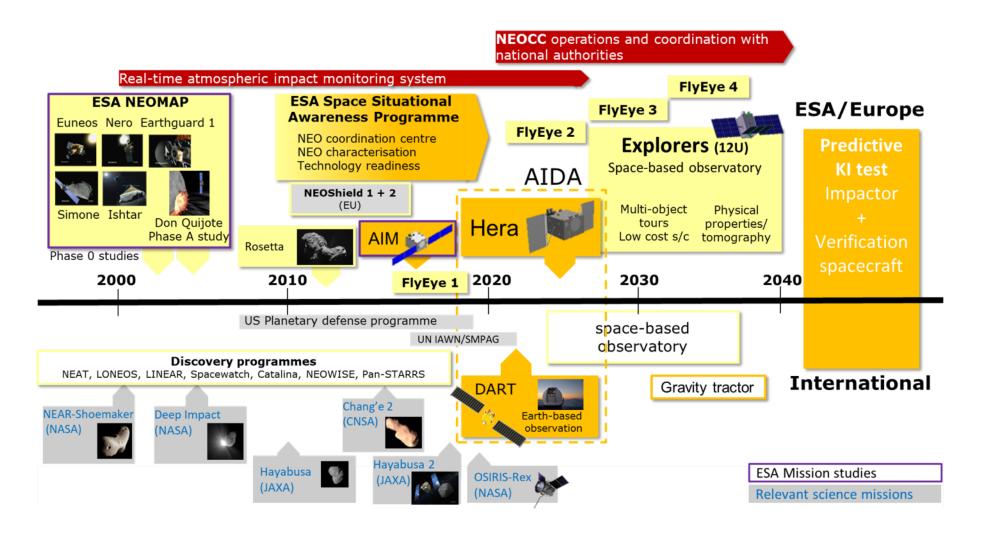


Core – Planetary Defence



+







- First ever operational Space Weather mission (outside of **Earth-Sun line**)
- Mission funded above threshold
- Alternate mission concepts studied to cope with the sub-

optimal geo-return situation

- Close collaboration with NOAA/NASA
- Launch in 2027
- First mission to L5





In-Orbit Servicing/Removal Mission (ADRIOS)



- First ever removal of a piece of space debris
- Funded significantly above threshold
- End-to-end contract as industrial service with contributions by investors
- Lean reviews concentrating around 3 Key
 Performance Gates with pass/fail criteria
- Removal target: VESPA

VESPA Adapt er













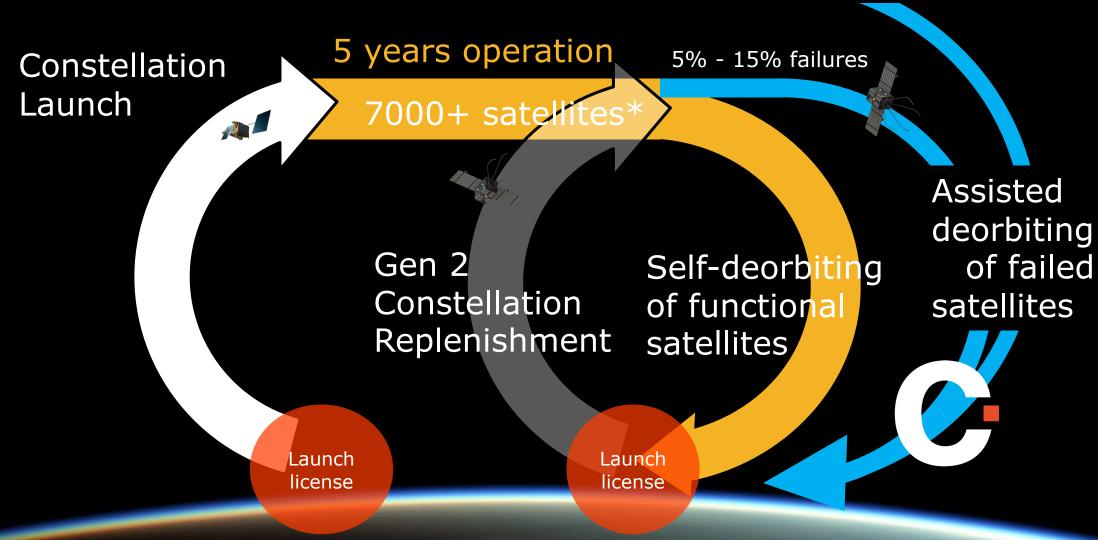








3200 failed satellites already in space



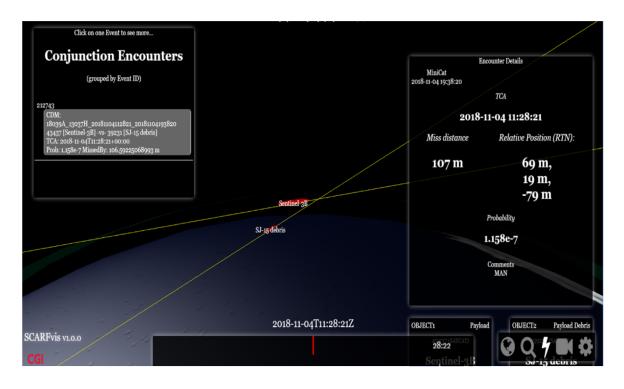
2019

2025

CREAM



- CREAM = Collision Risk Estimation and Automated Mitigation
- Automated decision taking, alternate uplink routes,
 - conflict-free maneuvering
- Successful machine learning competition held
- Demonstration by 2023





















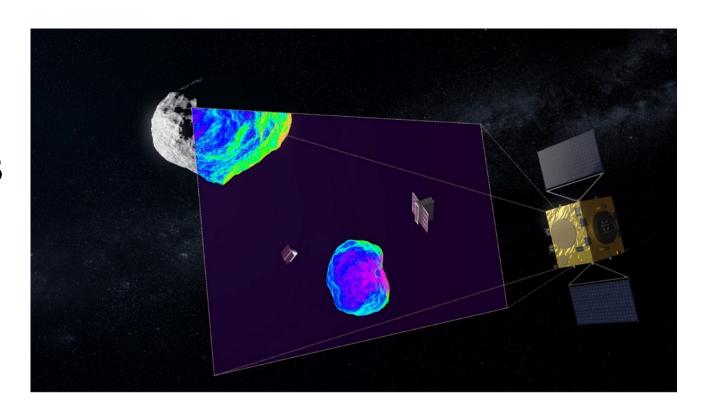




HERA



- Asteroid inspection and interception test (jointly with NASA DART)
- Subscription above request
- Direct negotiations with OHB
- ITT under preparation
- Launch in 2024
- 2 interplanetary cubesats

























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