



EU SST A SYNERGIES WITH CHALLENGE THE CLUSTER 4

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Ondřej Mirovský, NCP SPACE
Technology Centre Prague



SPACE SURVEILLANCE AND TRACKING (SST)

- part of the Space Situational Awareness (SSA) component of the EU Space Programme
 - security subcomponent of the EU Space Programme,
- Partnership of 15 EU Member States (Austria, Czech Republic, Denmark, Finland, France, Germany, Greece, Italy, Latvia, the Netherlands, Poland, Portugal, Romania, Spain and Sweden) together with the European Union Agency for the Space Programme (EUSPA) acting as the EU SST Front Desk
- Ministry of transport (CZ), Polish Space Agency (PL)
- sensor, processing and service provision
- future EU SST Catalogue

- Horizon EUROPE calls – (last 1Q2024)

- https://www.eusst.eu/wp-content/uploads/2023/11/EUSST_Leaflet_2023.pdf
- https://www.youtube.com/watch?v=vKhULZzRlow&t=9s&ab_channel=EUSST

The network is composed of different types of sensors:



Radars



Telescopes



Laser ranging stations

SYNERGIES WITH CLUSTER 4 IN HORIZON EUROPE

- topic grew on importance in FP7, H2020 and Horizon EUROPE (leading in previously mentioned SST)
- Previously many projects financed:
 - Stardust-The Asteroid and Space Debris Network (2013)
 - Revolutionary Design of Spacecraft through Holistic Integration of Future Technologies (2016)
 - The NEO Rapid Observation, Characterization and Key Simulations (2020 - CZ) – Astronomický ústav

Work programme 2025:

HORIZON-CL4-SPACE-2025-01-61: Consolidated European commercial SST capabilities on sensors

HORIZON-CL4-SPACE-2025-01-62: Consolidated European commercial SST capabilities on Services

SPACE SAFETY - ESA

- uncontrolled increase of object numbers in LEO, with collisions becoming the primary debris source.
- **The Zero Debris Charter**
- targets to get to Zero Debris by 2030
- Active Debris Removal (ADR)

ESA UNCLASSIFIED – For Official Use



DOCUMENT

ESA Space Debris Mitigation
Requirements

WE CAN HELP YOU IN HORIZON – (C4 SPACE)

- Networking
- Partner search
- Assistance with proposal writing – specific focus on coordinators
- Travel grants UP TO 1000 EUR - application for Brokerage Event participation

NCP SPACE

Ondřej Mirovský

mirovsky@tc.cz

724 833 286