



# EU SST

Space Surveillance and Tracking

Ensuring space safety and sustainability

## Facts and figures

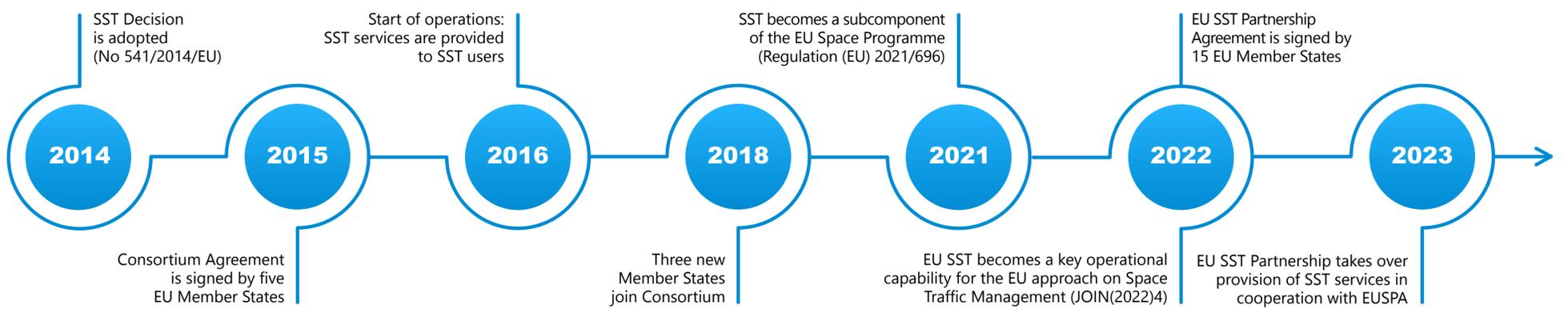
### About EU SST

**EU Space Surveillance and Tracking (EU SST)** is a key capability that helps to protect space infrastructure and services from in-orbit collisions between space objects and other disruptions. It thereby safeguards European economies, societies and citizens who increasingly rely on space-based services such as navigation or Earth observation, and so contributes to the **resilience of European space assets** and to a higher level of **EU strategic autonomy**.

Integrated in 2021 as a **full-fledged subcomponent of the EU Space Programme**, EU SST is **fully operational**, with its own **network of sensors** from EU Member States, a **database** connecting national Operations Centres, and **services** provided to users through the EU SST Front Desk at EUSPA. It is also **security relevant**: its internal data policy protects sensitive information and the security interests of EU SST partners.

- >40 sensors**  
from EU Member States contributing
- >500k measurements**  
shared per day on average
- >14k objects**  
observed in the last year
- >190 organisations**  
registered
- >400 spacecraft**  
protected

### Milestones

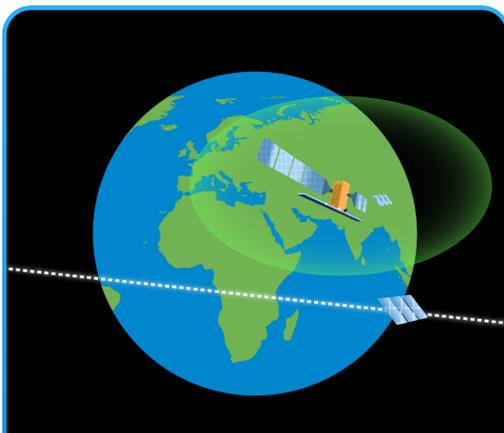


### Priorities for 2023-2025

- Improve the performance of SST core services and develop additional services**
- Open SST services to international users**
- Research and further develop EU SST capabilities**
- Develop and use innovative technologies to face challenges raised by STM**
- Strengthen and enhance the EU ecosystem in commercial sensors and data provision**
- Foster synergies between civil and defence capabilities**

# Service Provision

## Collision Avoidance (CA)



provides risk assessments of potential collisions between space objects and recommendations to spacecraft operators on how to mitigate the risk

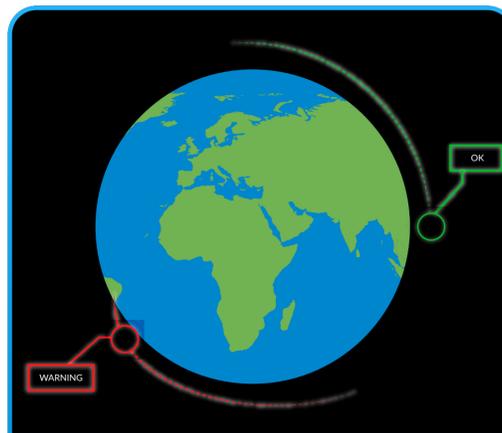
**57** organisations registered

**402** spacecraft safeguarded

**781** high-risk close approaches monitored in the last year

**1** taskforce activations for critical CA events in the last year

## Re-entry Analysis (RE)



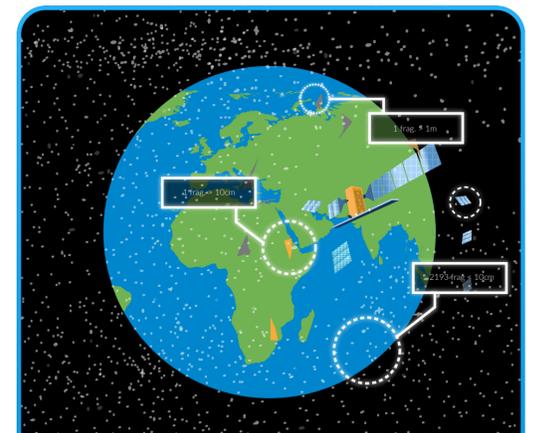
provides risk assessments of uncontrolled re-entries of space objects into the Earth's atmosphere

**150** organisations registered

**94** re-entries monitored in the last year (of which 2% of major risk)

**2** taskforce activations for critical RE events in the last year

## Fragmentation Analysis (FG)



provides detection and characterisation assessments of in-orbit fragmentations, break-ups or collisions

**147** organisations registered

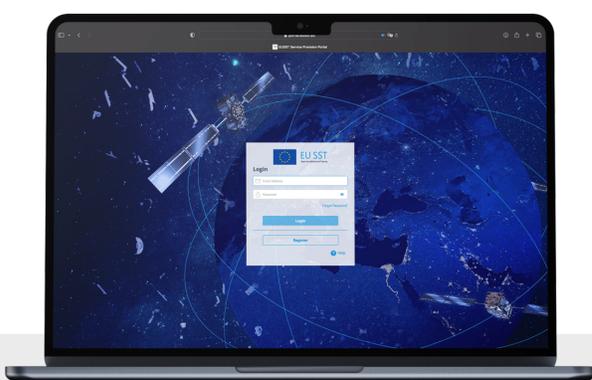
**6** fragmentation events first reported in the last year

**661** fragments first reported in the last year

**1** taskforce activations for critical FG events in the last year

# Front Desk

The Front Desk provides the secure interface for delivering the SST services to users (SST Portal) and ensures user support and engagement.



Latest update: 01/07/2023



**>123k**

products delivered through the SST Portal in the last year



**123**

new users registered in the last year



**109**

new satellites registered in the last year



**604**

user requests handled by the SST Helpdesk in the last year



**9434**

monthly average website visitors in the last year



**>10k**

social media followers in total



**4**

taskforce activations for critical events in the last year



**68**

indicators monitored to report on the performance of EU SST

# Feedback from users

**8.5**

Global Satisfaction Score

“ The flexibility to adjust the services to the operator's needs, as for Sentinel-6 acquisition and Metop-A end-of-life operations, is very useful. ”

**EUMETSAT**

“ The Collision Avoidance service is very responsive. Its personnel is highly attentive and the on-call team is excellent. ”

**ICEYE**

