



EU Space Surveillance & Tracking

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STM Workshop – 1 Sep 2020

*The Aerospace Corporation Center for Space Policy and Strategy
with International Association for the Advancement of Space Safety*

A photograph taken from space, showing the Earth's horizon with a thin blue atmosphere. A large, gold-colored solar panel with a grid pattern is visible on the right side of the frame. The title "EU Space Surveillance & Tracking" is centered in white text with a horizontal line underneath.

EU Space Surveillance & Tracking



EU Space Surveillance & Tracking

Governance, Operations & Security
Perspectives in STM

Governance: Background

Decision of the European Parliament and of the Council of 16 April 2014 establishing a **Framework for Space Surveillance and Tracking Support** (Dec. 541)

Ensuring the **long-term availability** of European and national **space infrastructure**, facilities and services (Art. 3)

SST capability at European level (Art. 4) with **SST sensor, processing and service functions**

Aims for resilience, strategic autonomy, global SSA burden-sharing



Governance: Consortium



EU SST Consortium:

8 EU MS (Since 2015 France, Germany, United Kingdom, Italy, Spain and since 2019 Poland, Portugal, Romania)

Cooperation with **EU SatCen** as SST Frontdesk

Overseen by **European Commission**

Operations: Sensors

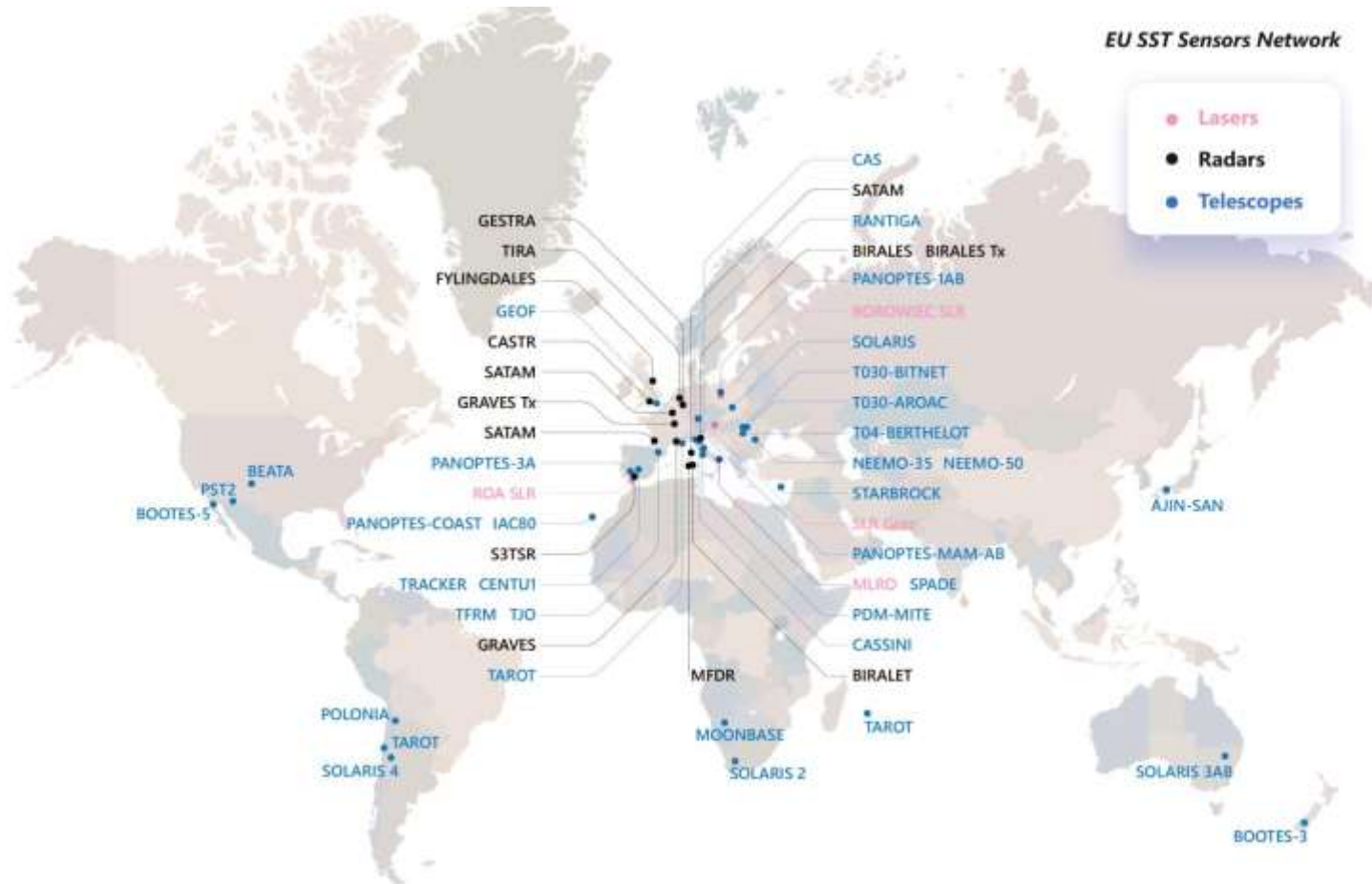


12 Radars
(4 surveillance, 8 tracking)

34 Telescopes (18 surveillance,
16 tracking)

4 Lasers

Operations: Sensors



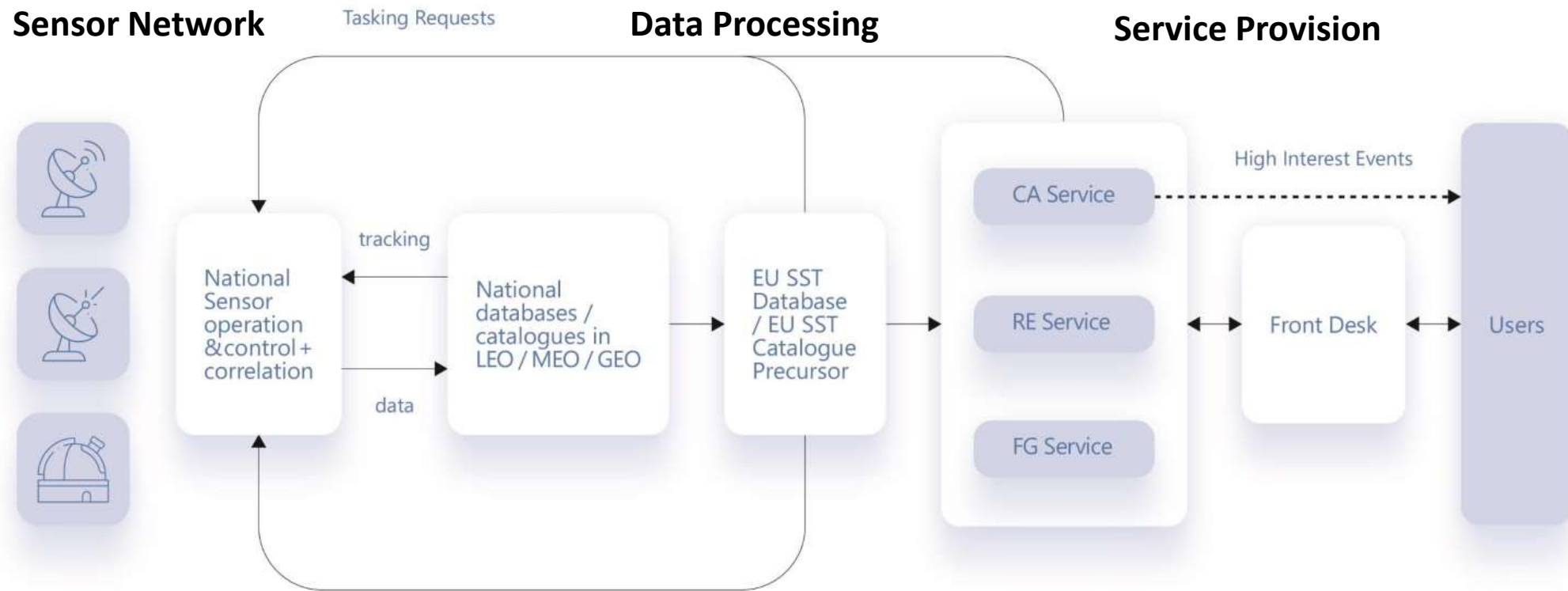
12 Radars

(4 surveillance, 8 tracking)

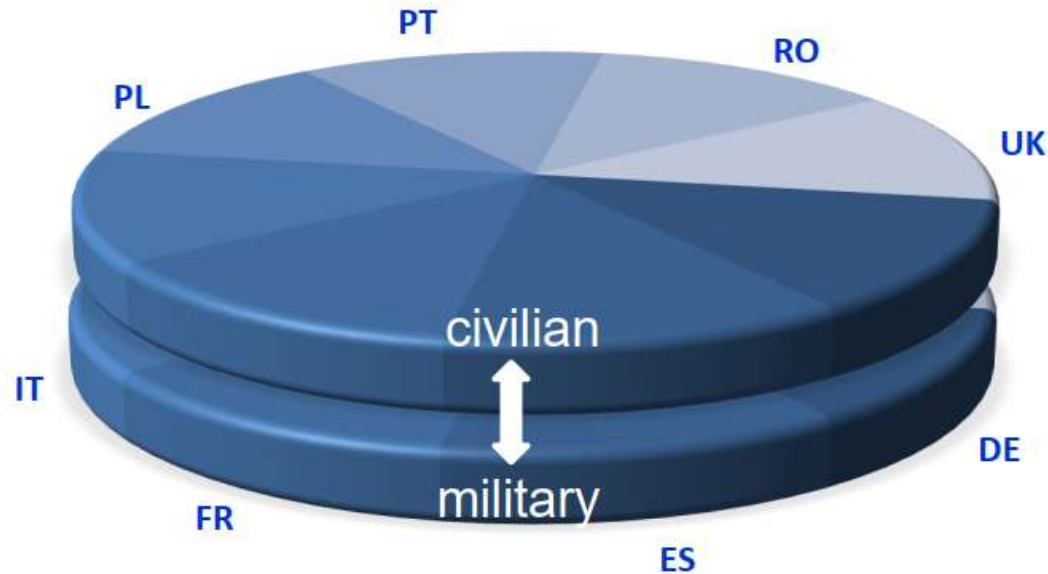
34 Telescopes (18 surveillance,
16 tracking)

4 Lasers

Operations: Service Provision



Governance: Security



Dual dimension of SSA

Collaboration between civilian, military and security actors

Contributing sensors remain under control over member states

Security Committee provides classification guidance, data policy

Perspective: EU SST & SPD-3



US STM Policy (Space Policy Directive-3):

Technical & Operational STM

SSA Data

STM Services

STM SnT

National Regulation

Global Engagement

Perspective: EU Space Programme

7481/19

Brussels, 13 March 2019
(OR, en)

7481/19

ESPACE 26
RECH 179
COMPET 248
ENV 87
EU-GRASS 14
TRANS 114
AVIATION 55
MAR 65
TELECOM 127

ME 255
EMER 171
EMPL 171
CSC 108
CSGROSS &
CSGROSSDC 118
CAGRETH 155
CODEC 637

OUTCOME OF PROCEEDINGS

From: General Secretariat of the Council

To: Delegations

No. prev. doc.: 7002/1/19 REV 1

No. Doc. doc.: 9896/18 + ADD 1

Subject: Proposal for a REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL establishing the space programme of the Union and the European Union Agency for the Space Programme and repealing Regulation (EU) No 912/2010, (EU) No 1285/2011, (EU) No 377/2014 and Decision 94/1/2014/UEU
- Progress report
- Confirmation of the Common Understanding

1. On 6 June 2018 the Commission presented the above-mentioned proposal for a Regulation to the European Parliament and the Council.

2. The President has given a supporting mandate to this Committee on 19 December 2018.

1 Doc. 9896/18 + ADD 1
2 Doc. 15486/18

7481/19

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EN

Following EU Space Strategy (2016), legislative proposal (2018) for integrated space programme 2021-2027, agreed by Council and European Parliament (2019), budget TBD (2020)

All EU activities in one programme:

Galileo/ EGNOS

Copernicus

SSA (SST plus SWE, NEO)

Govsatcom

„...precursor for European **Space Traffic Management**“

Perspective: Cooperation for STM



EU SST as...

Capability and **operational building block** for **STM**

Working example of **multilateral cooperation** at the intersection of space safety and space security



Thank you

User Registration

<https://sst.satcen.europa.eu>

General Information

www.eusst.eu