



EU Space Surveillance & Tracking – State of Play & Perspectives

Dr Regina Peldszus (DLR) & Dr Pascal Faucher (CNES)
EU SST Consortium

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Session 4. Assuring a Safe, Secure and Sustainable Environment for Space Activities

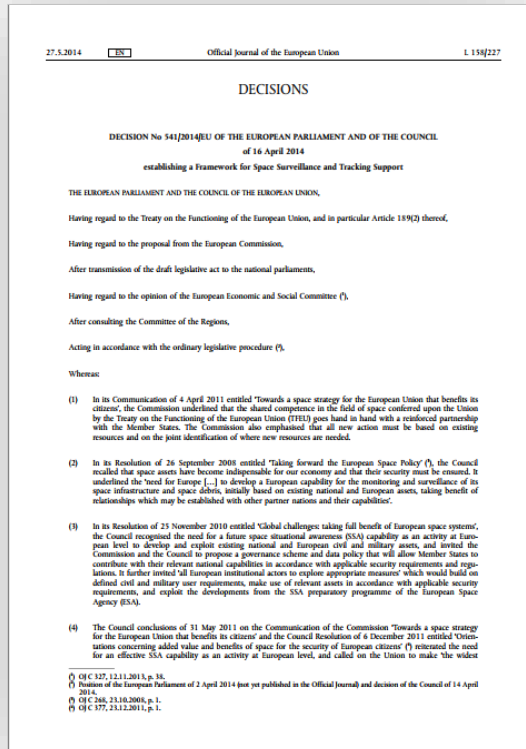


EU Space Surveillance & Tracking

State of Play: Governance, Operations & Security

Perspectives: EU Space Programme, STM

Governance: Background



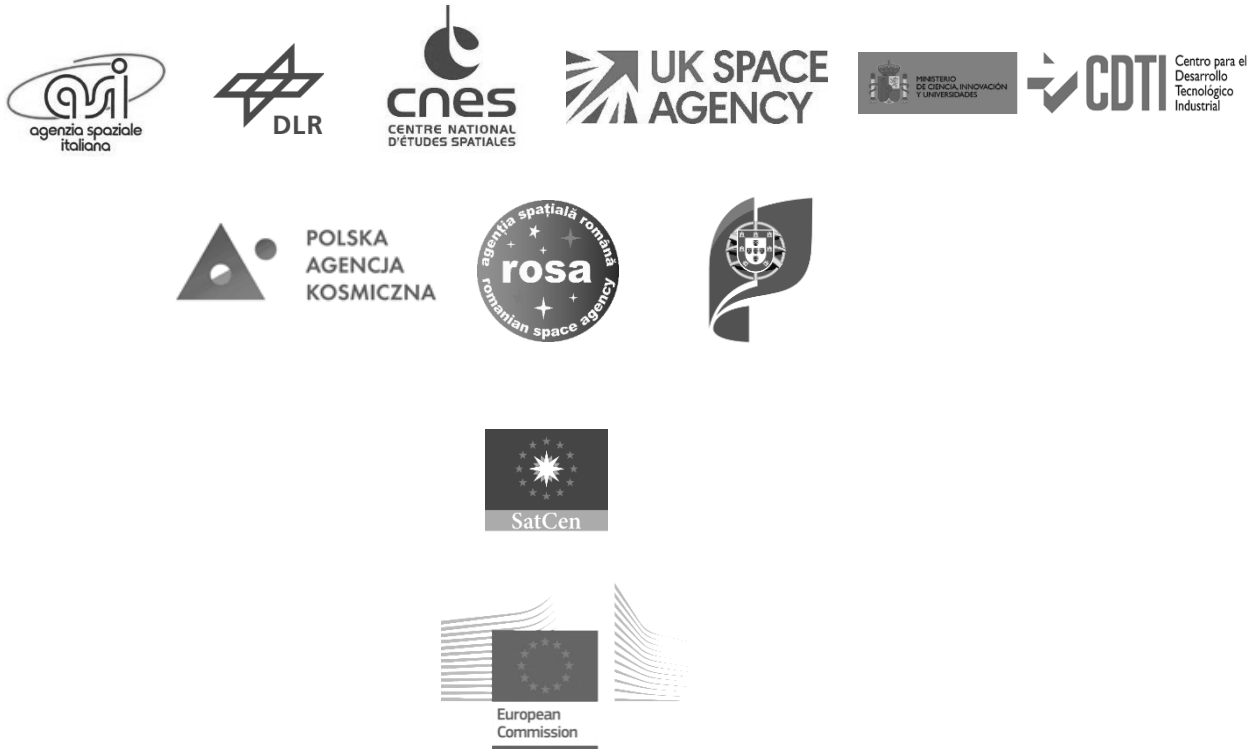
Decision of the European Parliament and of the Council of 16 April 2014 establishing a **Framework for Space Surveillance and Tracking Support** (Dec. 541)

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

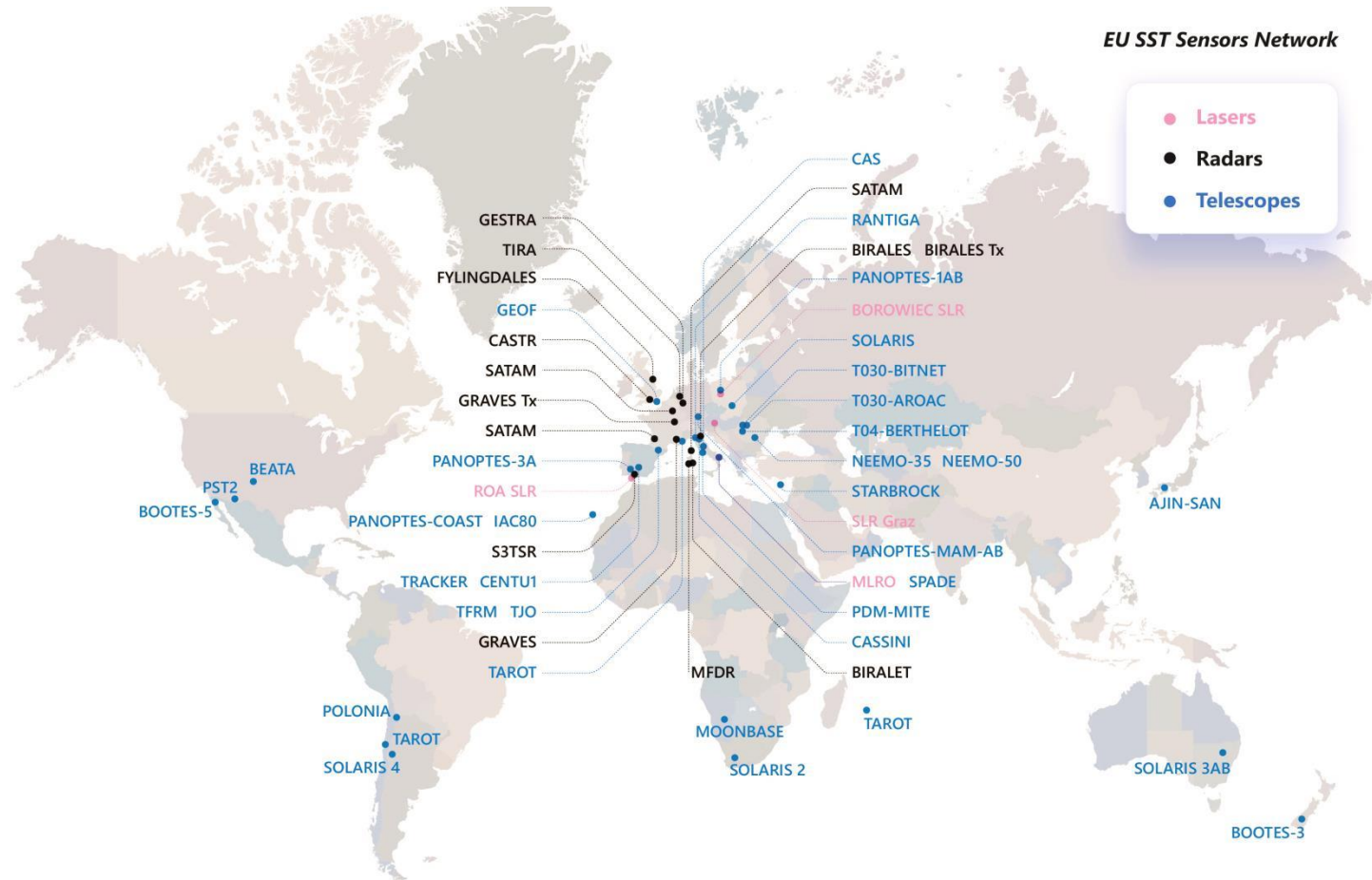


12 Radars
(4 surveillance, 8 tracking)

34 Telescopes (18 surveillance,
16 tracking)

4 Lasers

Operations: Sensors



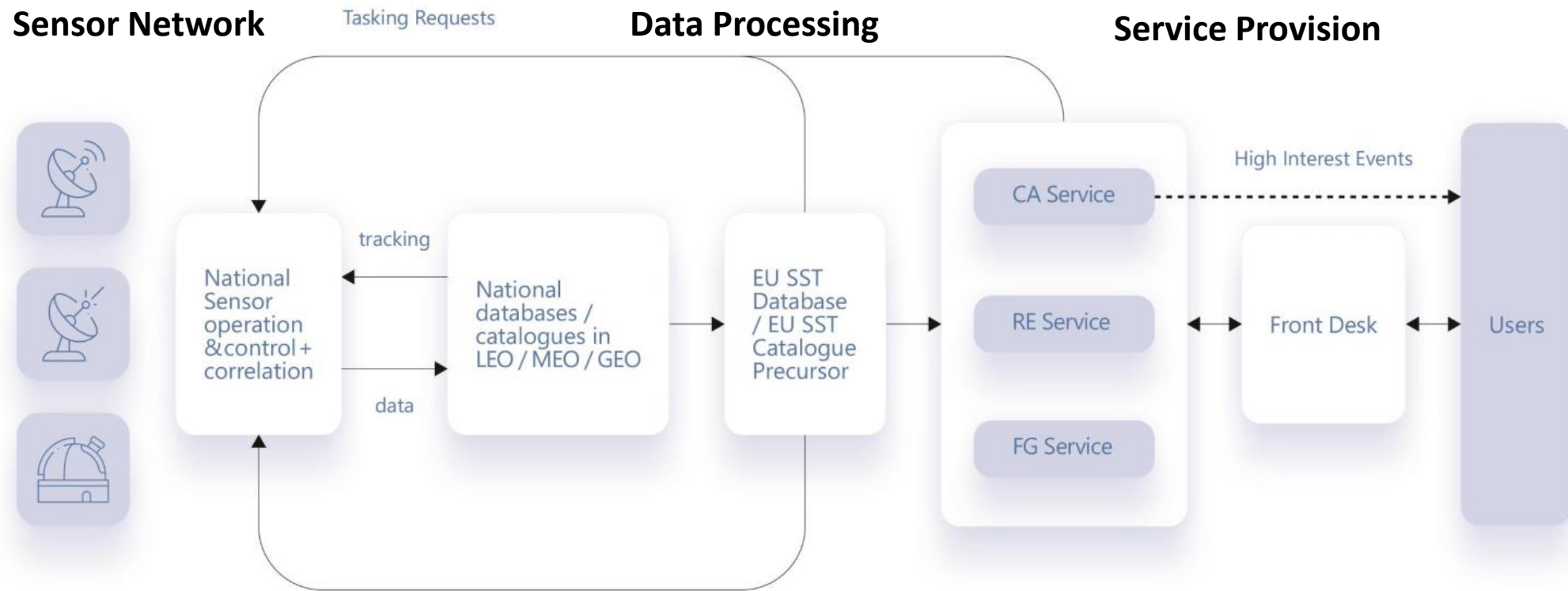
12 Radars

(4 surveillance, 8 tracking)

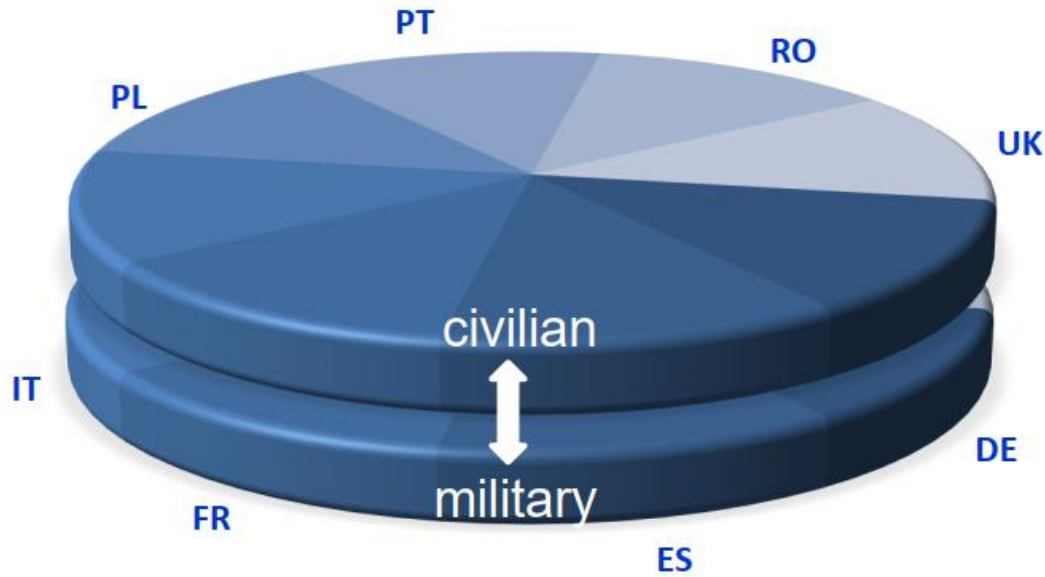
34 Telescopes (18 surveillance,
16 tracking)

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

 Council of the European Union

Brussels, 13 March 2019
(OR. en)

7481/19

Interinstitutional File:
2018/0236(COD)

ESPACE 26
RECH 170
COMPET 248
IND 87
EU-GNSS 14
TRANS 194
AVIATION 56
MAR 65
TELECOM 127

MI 255
ENER 171
EMPL 171
CSC 100
CSCGNSS 4
CSDP/PSDC 118
CADRETFI 155
CODEC 677

OUTCOME OF PROCEEDINGS

From: General Secretariat of the Council

To: Delegations

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

No. Cion doc.: 9898/18 + 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 Regulations (EU) No 912/2010, (EU) No 1265/2013, (EU) No 377/2014 and Decision 541/2014/EU

- Progress report

- Confirmation of the Common Understanding

1. On 6 June 2018 the Commission presented the above-mentioned proposal for a Regulation¹ to the European Parliament and the Council.

2. The Presidency was granted a negotiating mandate² by this Committee on 19 December 2018.

¹ Doc. 9898/18 + ADD 1

² Doc. 15490/18

7481/19 ECOMP 3 C PG/mj 1 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