

EUROPEAN EXTERNAL ACTION SERVICE



Space Security: Global Challenge – Regional Intersections

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**Space Security & Resilience
Connection to the Regions
Priorities 2024-2029**

European External Action Service

- Founded in **2011**, principles in Treaty of Lisbon
- Coherence, cooperation, consistency in **EU foreign policy**
- Headed by **High Representative** of the Union for Foreign Affairs & Security Policy and Vice-President of the European Commission
- Responsibilities include planning **the Common Security & Defence Policy** (CSDP) and crisis response, contains the EU Military Staff
- **145** EU Delegations and Offices



European External Action Service







Global Commons

Principle of peaceful use
Congested, complex
Operational risks


Strategic Domain

Security and defence dimension
Contested, power projection
Intentional Threats

Common Security & Defence Policy: Space

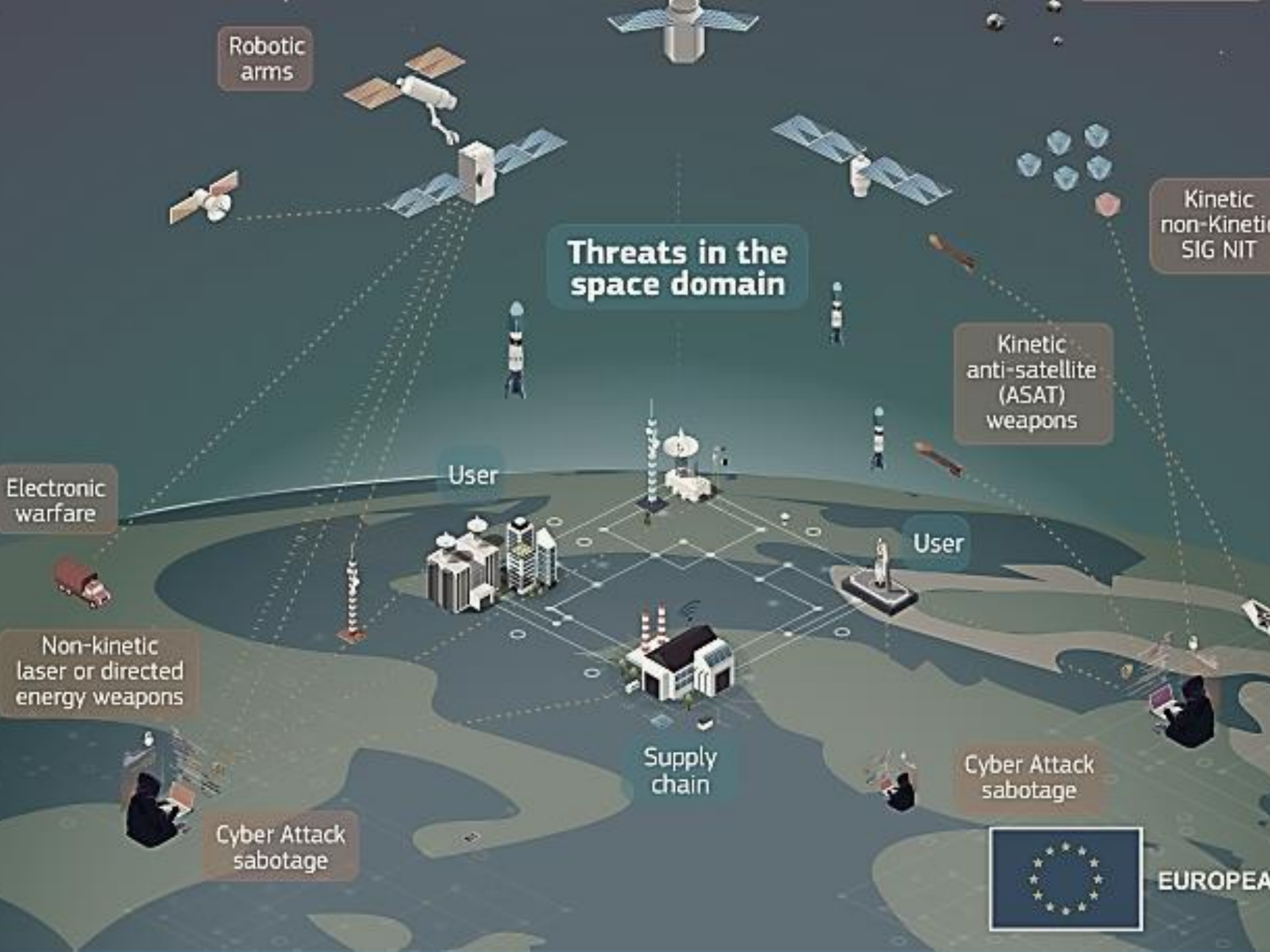


- Space as Strategic Domain, increasingly contested
- Paradigm shift towards Space & Defence
- EU Space Strategy for Security & Defence (2023)
 - Threat Understanding & Response
 - Resilient EU space infrastructure
 - Space for Security and Defence
 - Partnerships for responsible behaviour



**Space threat landscape
analysis** building a shared
understanding of **space threats**

*(EU Space Strategy for
Security & Defence, 2023)*



Robotic arms

Threats in the space domain

Kinetic non-Kinetic SIG NIT

Kinetic anti-satellite (ASAT) weapons

Electronic warfare

User

User

Non-kinetic laser or directed energy weapons

Supply chain

Cyber Attack sabotage

Cyber Attack sabotage



EUROPEA



Space Situational Awareness to better understand and reduce space-based risks, threats and vulnerabilities

(Strategic Compass, 2022)

Space Domain Awareness (SDA) to detect, identify, characterise space objects in near real time

(EU Space Strategy for Security & Defence, 2023)



Geospatial Intelligence: CSDP
significant events, developments,
locations on ground

(Council Decision 401)



Space Threat Response
connects security and operational
actors to high level political
decision-makers

(Council Decision 698)



Galileo Sites and Ground Stations

- HQ: Headquarters
- GCC: Galileo Control Centre
- GSMC: Galileo Security Monitoring Centre
- SGSC: SAR/Galileo Service Centre
- GSC: GNSS Service Centre
- GRC: Galileo Reference Centre
- GILSC: Galileo Integrated Logistic Support Centre
- TTTCF: Telemetry, Tracking and Command
- ULS: Uplink Station
- GSS: Ground Sensor Station
- MEOLUT: Medium Altitude Earth Orbit Local User Terminat
- REFBE: Galileo/SAR Reference Beacons
- IOT: In-Orbit Testing station



Galileo Sites and Ground Stations status as of 2023

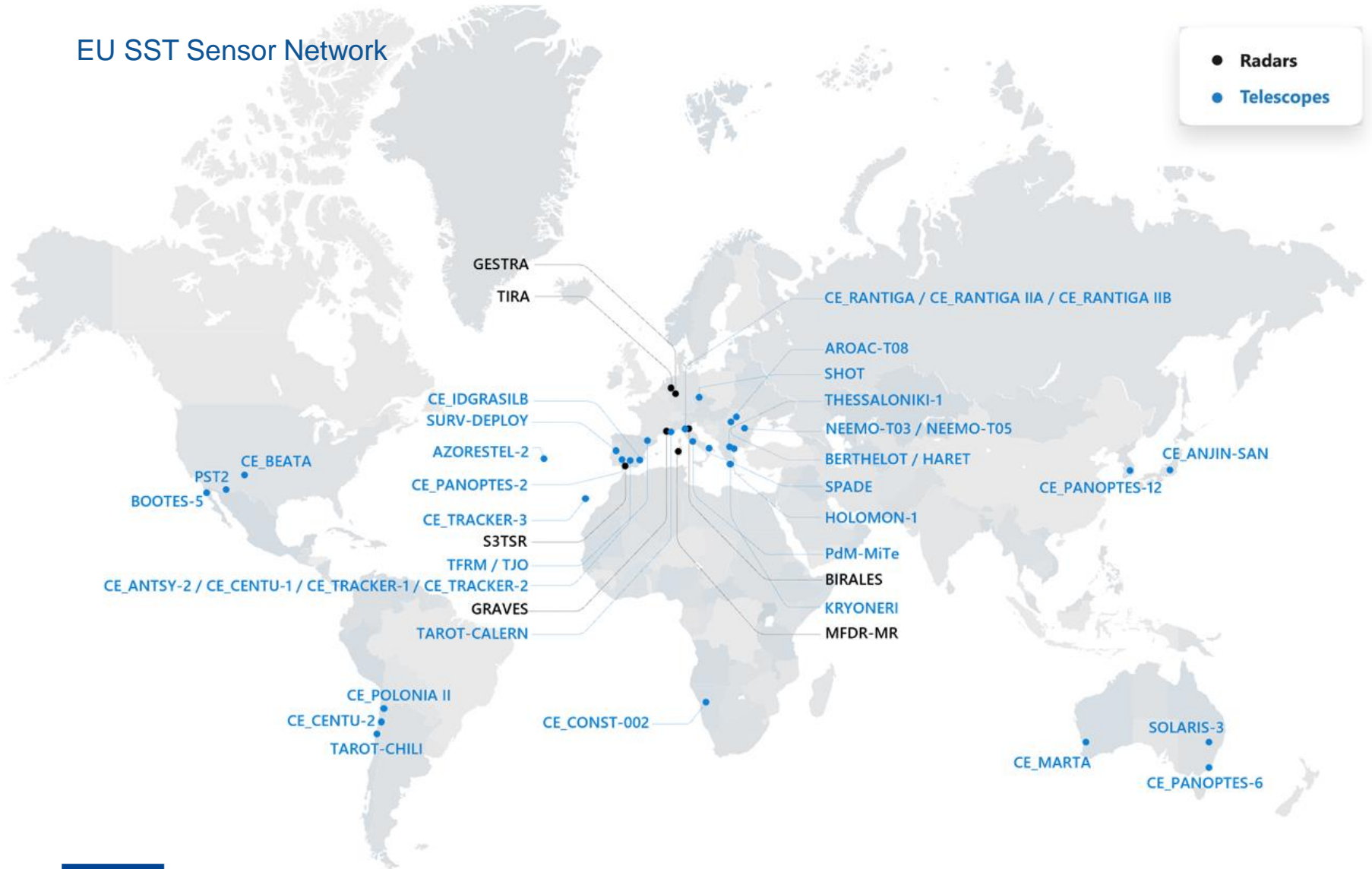


Space Situational Awareness
(EU Space Programme, 2021)

Space Traffic Management
*(Action Plan for Synergies 2018;
EU Approach to STM, 2022)*

EU SST Sensor Network

- Radars
- Telescopes



Space in the Political Priorities (2024-2029)



- Space as strategic domain, capability, strategic enabler for security & defence
- White Paper on the Future of European Defence (2025)
- Preparedness Union Strategy (2025)
- EU Space Act, next MFF....

...we are so much interconnected and everything that is happening in space has an effect on us.

(HRVP designate 2024)



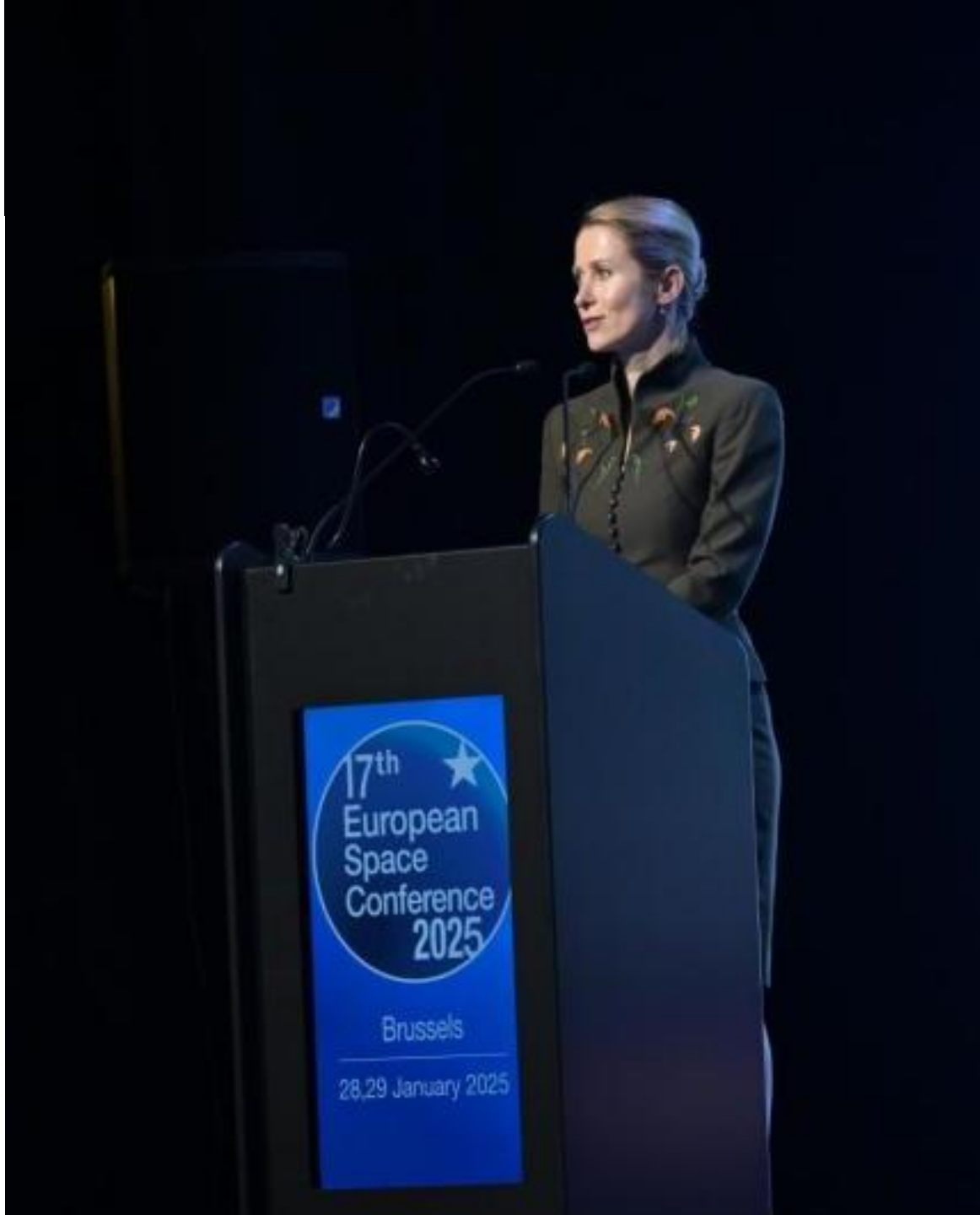
... priority is to **work more closely together internally**, bilaterally and multilaterally.


Within the EU, most of our Member States are using space services but aren't operating them individually.

Some are much stronger than others. But no Member State can really afford to do any of this alone.

The **EU needs a stronger security culture across governmental and private space actors**. Information exchange here is key. This helps to build our defences and improve our systems.

(HRVP 2025)



A satellite night view of Europe, showing the continent illuminated by city lights against the dark background of the night sky. The lights are concentrated in major urban centers and along coastlines, creating a glowing pattern across the landmass. The surrounding oceans are dark, and the edges of the continent are clearly defined by the density of the lights.

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