



EU Space Surveillance & Tracking Support Framework

A Consortium of Member States Safeguarding European
Space Infrastructure & Orbital Environment

Amélie Gravier, Secretary
On behalf of Pascal Faucher, Chair

IFRI Conference – Space Security in the 2020's: Transatlantic Perspectives

Panel 3: Space Situational Awareness (SSA): progress and difficulties

Consortium Governance

Decision 541/2014/EU for a Support Framework

Decision of the European Parliament and of the Council of 16 April 2014 establishing a Framework for Space Surveillance and Tracking Support

« Ensuring the long-term availability of European and national space infrastructure, facilities and services which are essential for the safety and security of the economies, societies and citizens in Europe » (article 3)

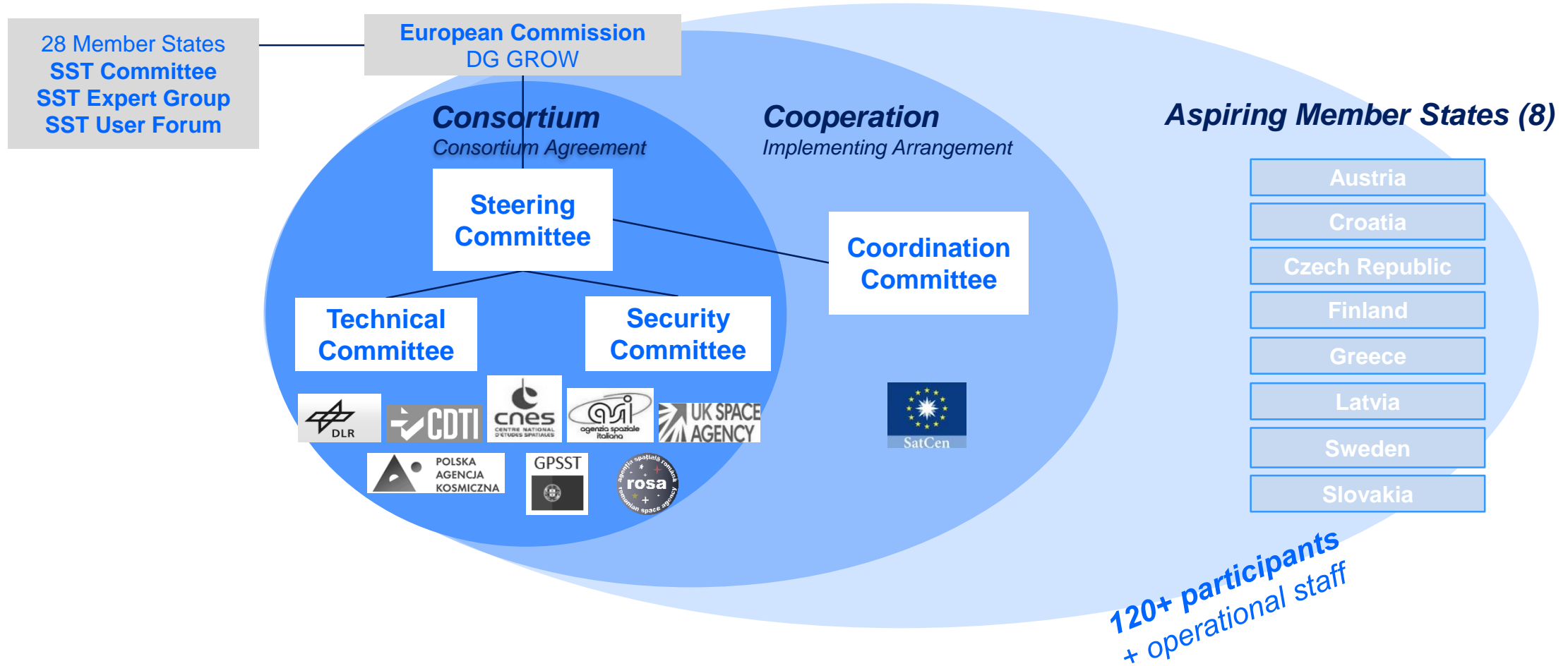
With the aim to (article 4):

« Establish a SST capability at European level and with an **appropriate level of autonomy** » :

- (a) The establishment and operation of a **sensor function** consisting of a network of Member State ground-based and/or space-based sensors, including national sensors developed through ESA, to survey and track space objects and to produce a database thereof;
- (b) The establishment and operation of a **processing function** to process and analyse the SST data at national level to produce SST information and services for transmission to the SST service provision function;
- (c) The setting up of a function to provide **SST services** as defined in Article 5(1) to the entities referred to in Article 5(2).

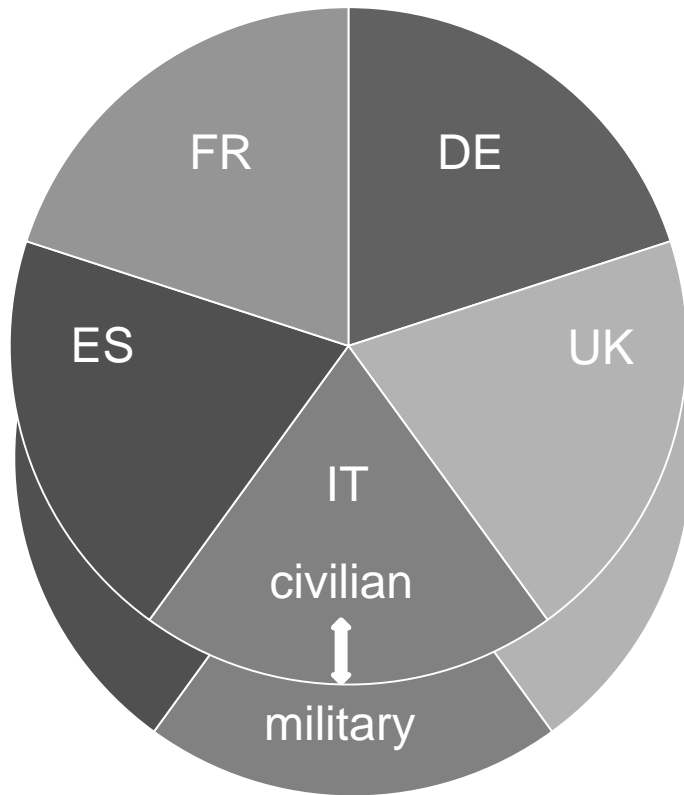
Consortium Governance

State of play



Consortium Governance

Dual Dimension

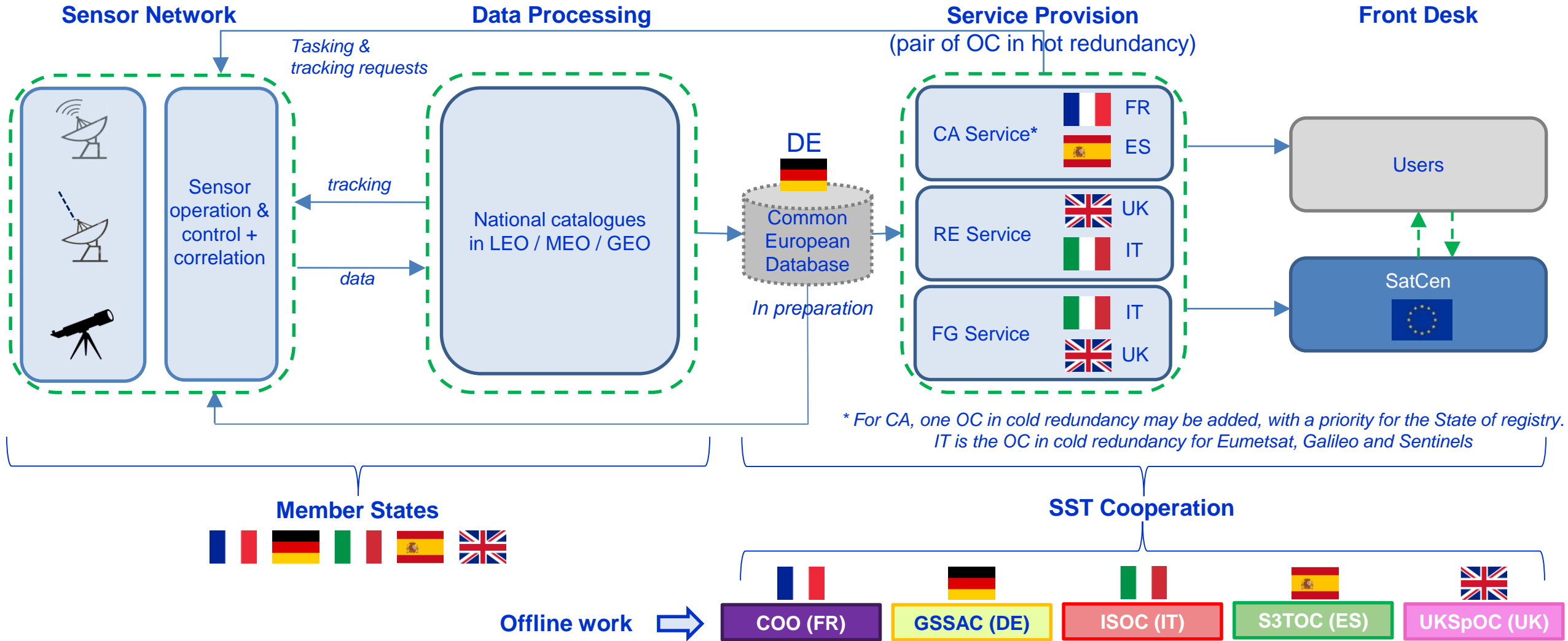


- ❑ Particularity of governance to answer specificities of the space sector:
 - ✓ **Dual nature of systems**, services and actors: military legacy, civilian orientation
 - ✓ **National security** dimension: collaboration at national level between civilian, military and security actors
 - ✓ **National control, operation and ownership** retained over SST sensors

- ❑ Delegates and experts from MoDs and Space Agencies

Service Provision

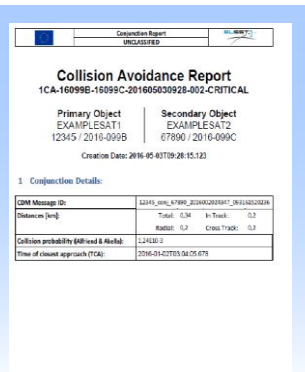
Service Provision Model Until March 2019



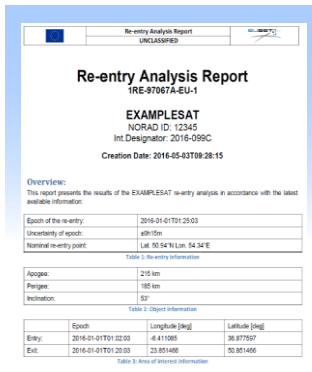
Service Provision

Increasing Number of Users

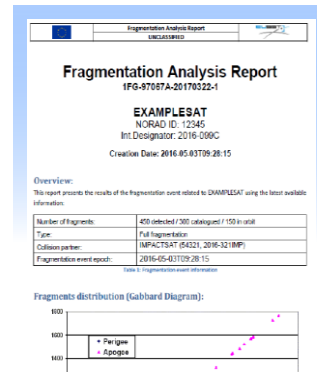
Collision Avoidance (CA)



Re-entry (RE)



Fragmentation (FG)



☐ 87 user accounts

CA: 43 (16 S/C Owners/Operators)

RE: 58

FG: 46

☐ 16 EU MS

AT BE BG DE ES FR GR HR IT LU MT NL PL RO
SK UK

☐ 47 Organisations

S/C Operators, Space Agencies, MSs, Industry, NOCs, COM, EEAS, Civil Protection, Air Traffic Management agencies, research facilities



Thank You

User Registration & Service Request
<https://sst.satcen.europa.eu>

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