

EUROPEAN SPACE WEEK

#EUSpaceWeek

ONLINE EDITION

Introduction of EU GOVSATCOM

User Consultation Platform

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Organised by:



European
Global Navigation
Satellite Systems
Agency



Under the auspices of:



EU Space Programme:



Copernicus

EGNOS



GOVSATCOM

Ensuring long-term **secure, reliable and cost-effective** satellite communication services to EU and Member State authorities

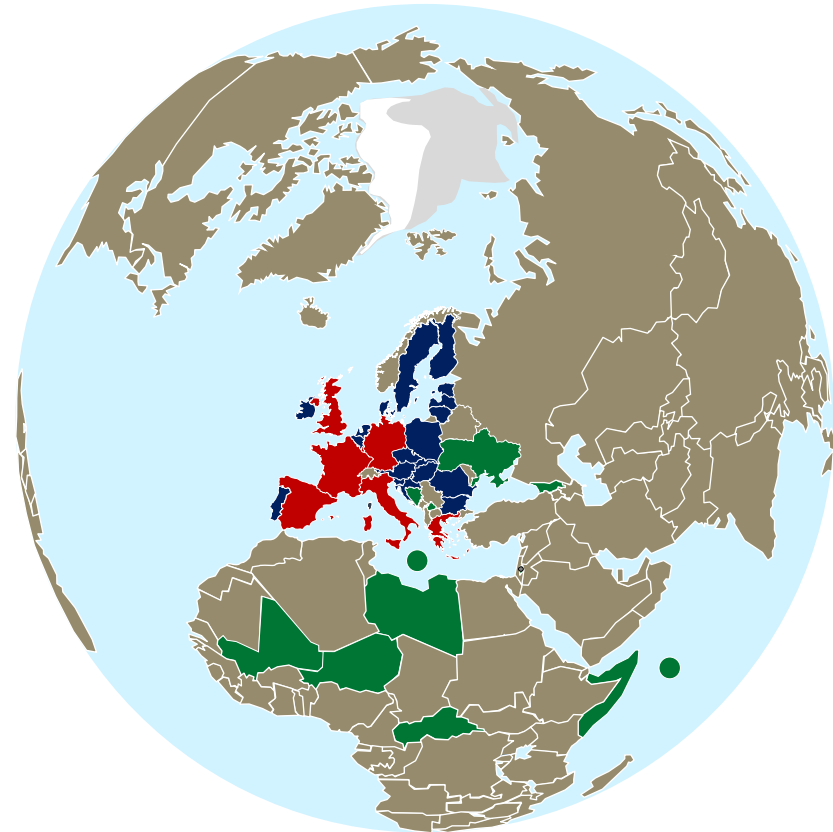
- ... through **pooling and sharing** of governmental and commercial satellite communication capacities, assembling users and by seeking civil-military synergies
- ... enhancing the EU's **strategic autonomy** and its non-dependence on third parties



“I hope for a Europe which considers space as a strategic asset, central to its technological sovereignty and its security”

Thierry Breton

"Under the increasingly hostile environment and the evolving governmental needs, the mismatch between governmental SatCom needs and timely and appropriate solutions increasingly creates risks to key missions, security operations and infrastructures of the Union and its Member States."



■ EU MS owning SATCOM systems ● CSDP civilian and military missions
■ EU MS not owning SATCOM systems ■ Arctic perennial ice sheet – 1980 □ Arctic perennial ice sheet – 2012

Increasingly unstable international environment

Risks and challenges such as natural and man-made disasters, EU border countries, CSDP Missions

Dependency on terrestrial and non-EU SATCOM infrastructure

Increase in cyber-attacks threats

New types of crisis situations, e.g. pandemics

Use Cases

Crisis Management

Use cases

Humanitarian crises, maritime emergencies, CSDP-missions, natural disasters, ...

Users

Military forces, civil protection workers, police and homeland security, civilian and military CSDP-missions, humanitarian aid responders, ...

Deployment

<12 hours if compatible terminals are available in the area, otherwise <48 hours

Surveillance

Use cases

Border surveillance, maritime surveillance, illegal trafficking, search and rescue (SAR), environmental monitoring, CSDP missions & operations at sea, ...

Users

Maritime security agencies (EMSA), border surveillance agencies (Frontex), military forces, national authorities, ...

Deployment

Permanent **near real time connectivity** between surveillance platforms

Key Infrastructure Management

Use cases

Diplomatic networks, police communications, space infrastructure and services, ...

Users

Including the 139 EU Missions and Delegations, 49 DG ECHO field offices, MS Embassies, EU Space Programme components, Aviation Authorities (EASA), ...

Deployment

Permanent **near real time connectivity** between critical infrastructure

Specific Use Cases

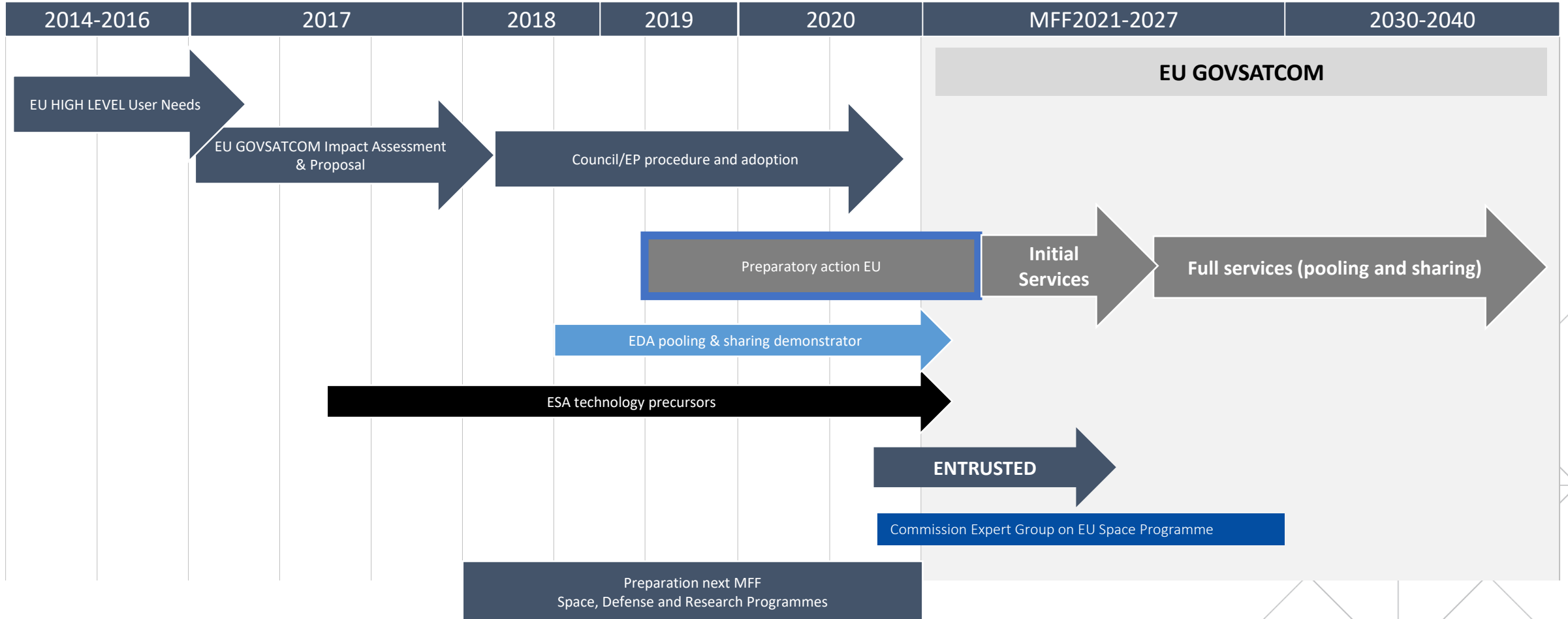
Use cases

Connectivity for the Arctic region, Remotely Piloted Aircraft Systems (RPAS), Machine to Machine (M2M) communications, ...

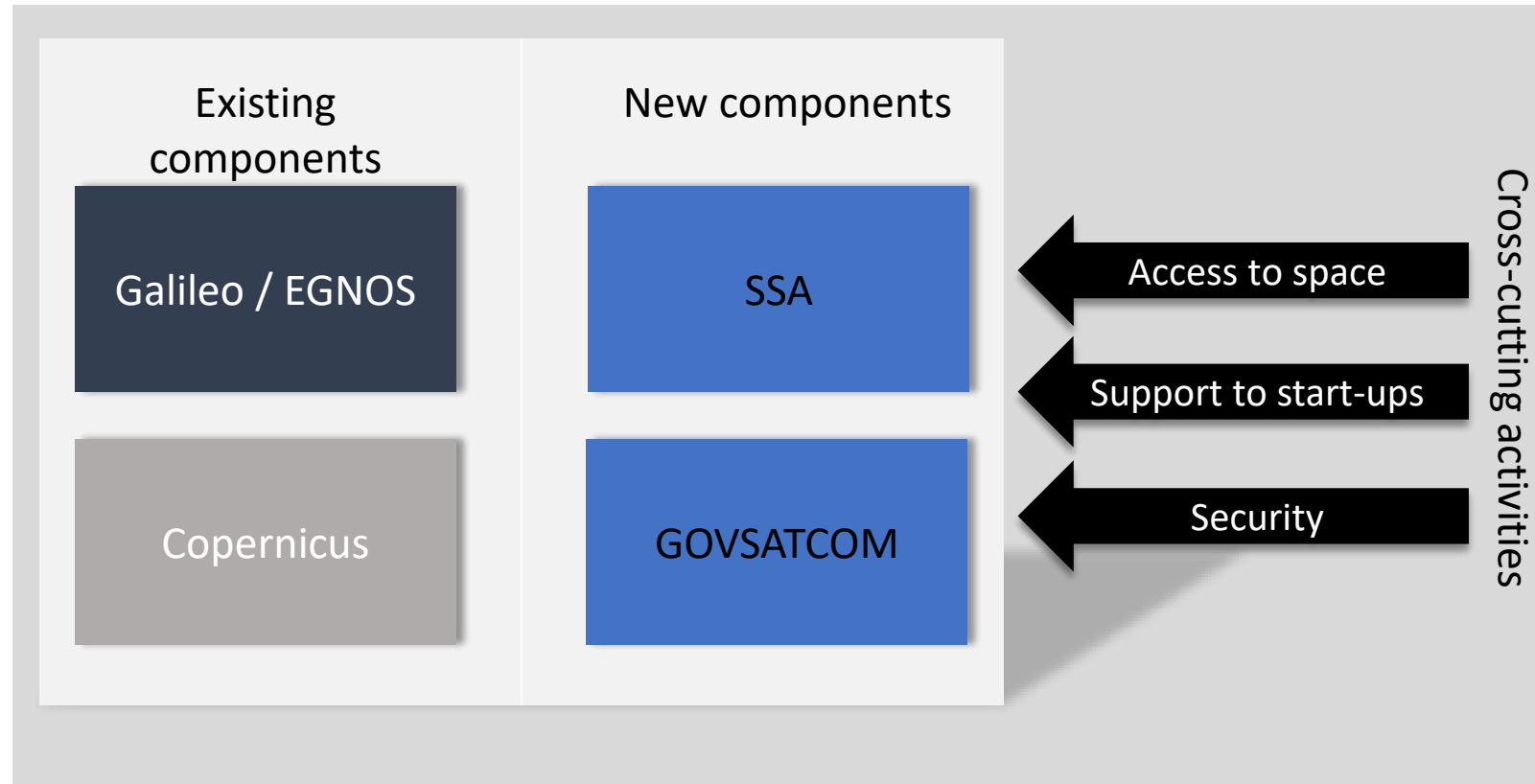
Users

Arctic communities & stationed personnel, RPAS-controllers, Maritime Security and border surveillance agencies (EMSA / Frontex)

Where We Are



EU Space Programme



Implementing acts



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 1285/2013, (EU) No 377/2014 and 541/2014/EU

GOVSATCOM

Copernicus

SSA

Galileo

COMPONENTS



Operational requirements

Service portfolio

Sharing and prioritisation

Location of the hubs

Security requirements

IMPLEMENTING ACTS



Input from the users

- Users consultation platform
- ENTRUSTED
- Expert working group



Conclusions

- Secure satellite communication has become a fully-fledged component of the EU Space Programme, and is now starting its implementation phase
- Users are essential to its technical and institutional set-up – in the development phase and for its exploitation

Linking space to user needs



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