



15 Years of  
EU Satellite  
Navigation



# European GNSS Agency

## EGNOS/GNSS for Helicopter Emergency Medical Service

Katerina Strelcova, Aviation Market Development Innovation  
Officer, European GNSS Agency (GSA)



NAVIGATION MADE IN EUROPE

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# Who we are?



## Mission:

### *Gateway to Services*

- Galileo & EGNOS Operations and Service Provision
- Market Development of the applications and the receivers

### *Gatekeeper of security*

- Security Accreditation
- Operation of Galileo Security Monitoring Centre, governmental service (PRS) activities

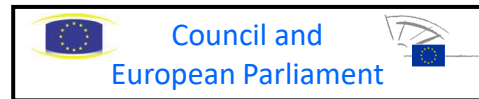
## Resourcing:



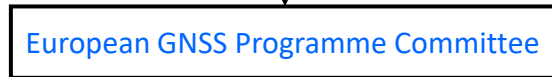
# How GSA fits in the EU structure?



Political Oversight



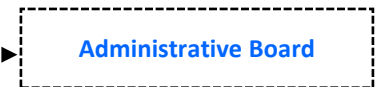
Programme Management



Delegation

Working Arrangement

Delegation and assistance



Security

Market Development: supporting the use of EGNSS

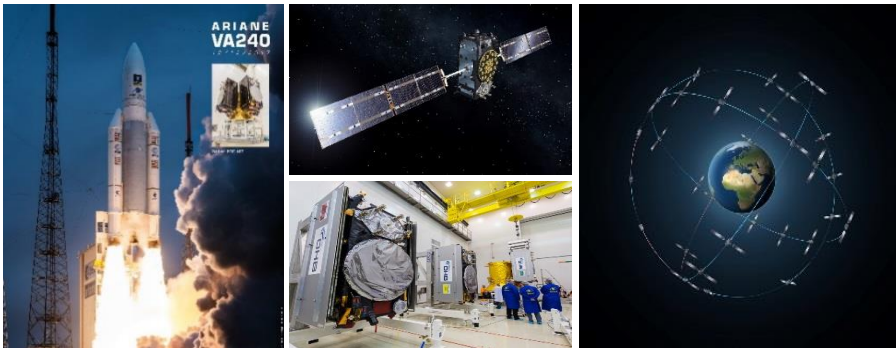
GSMC operation

GNSS exploitation

Upstream (space) industry

Downstream (applications) industry

# European Satellite Navigation Programmes



- Global Navigation Satellite System (GNSS)
- Autonomous infrastructure under EU civilian control
- 26 Satellites constellation today

- European Geostationary Navigation Overlay System
- Increased accuracy and integrity over GPS
- Next version will augment Galileo

# EGNOS/GNSS approaches “everywhere”



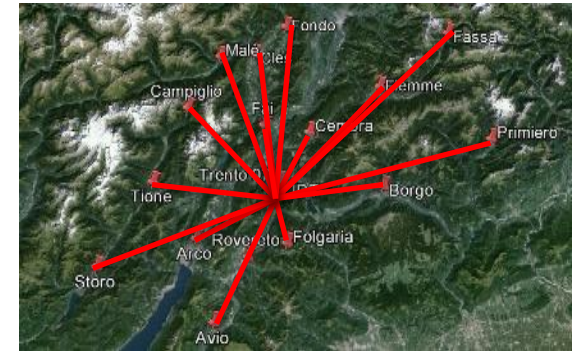
EGNOS in all instrument runways by 2024 in Europe

-> 728 EGNOS based approaches at 374 aerodromes as of today



EGNOS at non-instrument runways in Europe

-> 2673 airports with non-instrument RWYs



EGNOS for rotorcraft operations

SBAS for PinS in whole Europe?

-> EGNOS for PinS in several countries!  
-> Low level routes connecting hospitals

# Working with Aviation stakeholders to bring EGNOS to users



EGNOS Service provider  
Technical assistance to foster EGNOS adoption



Cooperation agreement to implement European Union GNSS policies as they apply to the field of aviation.



Safety oversight  
PBN Implementation, GNSS regulatory advice  
Safety, pilot training, airworthiness criteria



User organisations: user associations, avionics manufacturers



Thank you!



[Katerina.strelcova@gsa.europa.eu](mailto:Katerina.strelcova@gsa.europa.eu)