



European  
Global Navigation  
Satellite Systems  
Agency

# Webinar: EGNOS – free accuracy for mapping and GIS applications



**EGNOS**

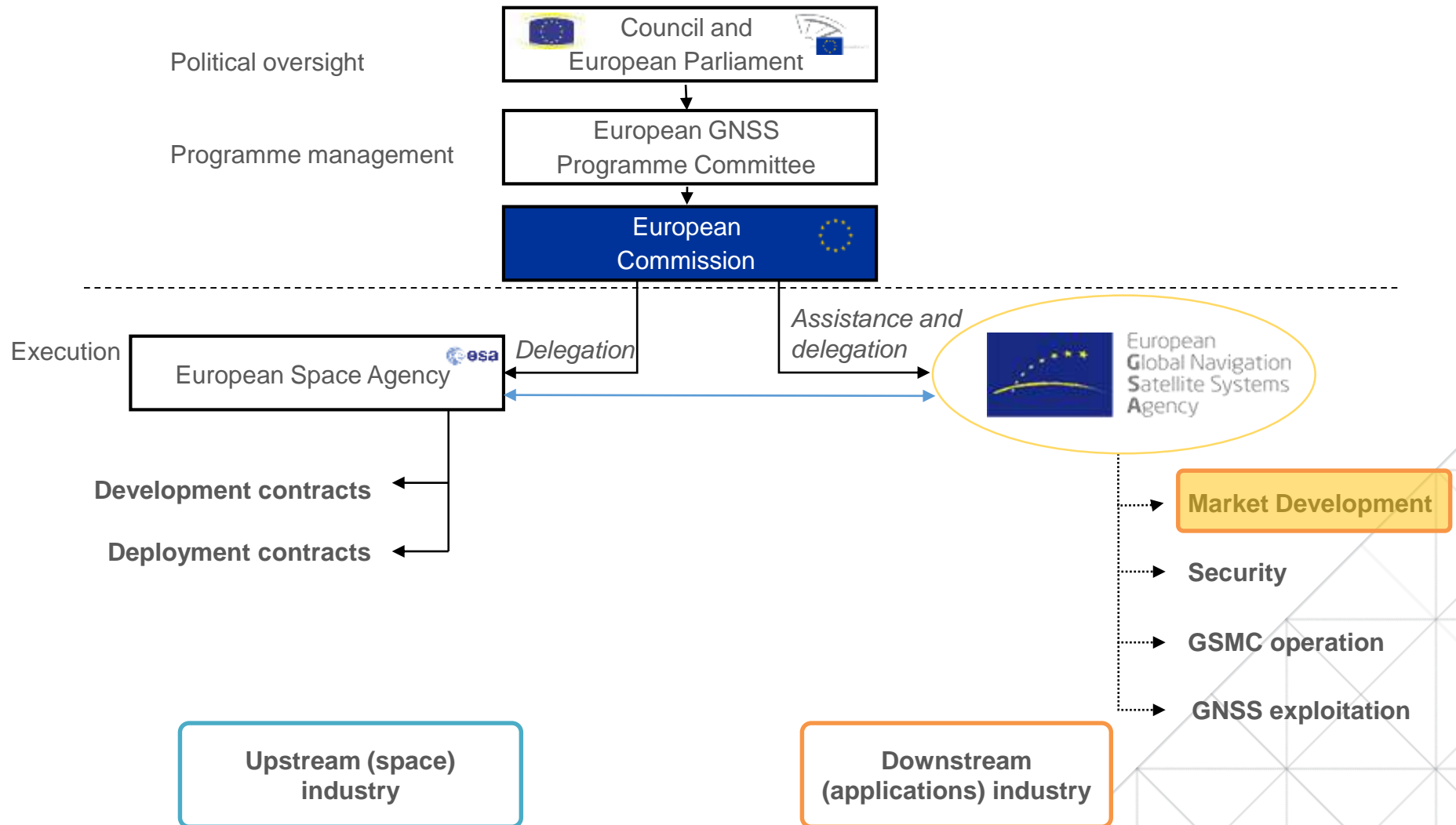
NAVIGATION SOLUTIONS  
POWERED BY EUROPE

Alina Hriscu and Reinhard Blasi  
Market Development  
European GNSS Agency (GSA)

**20 June 2018**



# How GSA fits in the EU structure



# GSA in a nutshell



## What?

### *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



## Who and where?

**160  
Staff**

**21  
Nationalities**

**Prague, CZ Rep – HQ**  
St. Germain en Laye, FR – GSMC  
Swanwick, UK – GSMC  
Torrejon, ES – GSC  
Noordwijk, NL – GRC  
Toulouse, FR – EGNOS

# EGNOS already available serving EU citizens and industry



- Accuracy ~1m, free



Open Service (OS)

- Accuracy ~1m, **compliant to aviation standards** by providing correction data and **integrity**

Safety of Life Service (SoL)



- Accuracy <1m, **corrections provided via internet**



EGNOS Data Access Service (EDAS)

# Galileo is the European GNSS offering a wide range of services



- Freely accessible service for positioning, timing and navigation message authentication
- Encrypted service designed for greater robustness and higher availability
- Assists locating people in distress and confirms that help is on the way
- Freely accessible high accuracy positioning service
- Authentication service based on the E6 signal code encryption and OS-NMA, allowing for increased robustness of professional applications



## Open Service (OS)

OS-Navigation Message Authentication (OS-NMA)

## Public Regulated Service (PRS)



## Search and Rescue Service (SAR)

## High Accuracy Service (HAS)



## Authentication Service (AS)

eurogeographics

Date and time TBD

# User Requirements for Surveying and Mapping discussed with industry leaders, users and experts to shape the future of E-GNSS



## User Consultation Platform

- The interaction with users is essential for the success of E-GNSS
- User needs drive E-GNSS
- During the UCP all available knowledge on user needs shared

**User Requirement Document to be published for public in Q3 2018**



**Next UCP: Marseille, December 2018**





# Download GSA GNSS Market and GNSS User Technology reports



## GNSS market trends & applications



<https://www.gsa.europa.eu/market/market-report>

## GNSS receiver trends & technology



<https://www.gsa.europa.eu/european-gnss/gnss-market/2016-gnss-user-technology-report>

# The GSA's funding mechanisms promote the development of Galileo compatible solutions



Aims to foster adoption of Galileo and EGNOS mostly via content and application development and supports the integration of services provided by these programmes into devices and their commercialisation

**140 €mIn budget in the H2020 call**



Fundamental Elements

Fundamental Elements projects focus on fostering the development of innovative Galileo- and EGNOS-enabled receivers, antennas and chipsets technologies. The objective is to achieve products that address user needs in priority market segments

**€75.5 M for non-PRS projects**



# The next call is just published

## H2020-SPACE-EGNSS-2019



Type of Action	Topic	Indicative budget (EUR mln)	Funding rate	Indirect costs
IA	EGNSS applications fostering green, safe and smart mobility	10.00	70% (except for non-profit legal entities, where a rate of 100% applies)	25% of the total eligible costs excluding: <ul style="list-style-type: none"><li>• Subcontracting</li><li>• Costs of resources made available by 3<sup>rd</sup> parties</li><li>• Financial support to 3<sup>rd</sup> parties</li></ul>
IA	EGNSS applications fostering digitisation	4.00		
IA	EGNSS applications fostering societal resilience and protecting the environment	4.00		
CSA	EGNSS awareness raising and capacity building	2.00	100%	
TOTAL budget:		20.00	Opening: 16 October 2018 Deadline: 05 March 2019	

IA: activities aimed at producing plans and arrangements or designs for new, altered or improved products, processes or services

CSA: consisting of accompanying measures such as standardisation, dissemination, awareness-raising and communication, networking, policy dialogues and studies

# GSA supports Young Surveyors



CLGE Annual Young Surveyors' Prize:  
**fresh ideas to feed the  
surveying industry evolution**



**2018 edition open**

**GSA is sponsoring a special prize dedicated to Galileo, EGNOS and Copernicus** as part of the annual Council of Geodetic Surveyors' Young Surveyors prize



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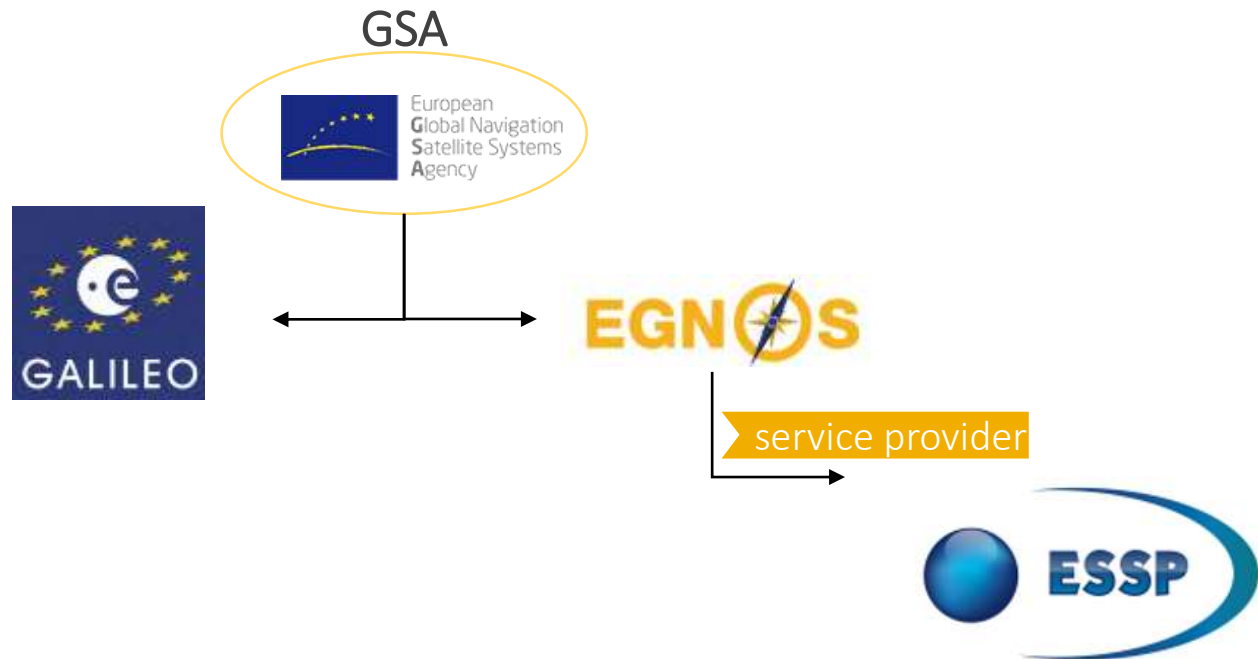


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# The operation and service provision of EGNOS is provided by ESSP



**COMING SOON!**



**TODAY**

# Linking space to user needs



How to get in touch:



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[GNSS YouTube Channel](#)



[GSA Twitter - @EU\\_GNSS](#)  
[EGNOS Twitter - @EGNOSPortal](#)



[European GNSS Agency LinkedIn Page](#)  
[GNSS Market, Research & Development](#)



[GNSS Facebook page](#)



[GNSS Slideshare Page \(presentations\)](#)



[www.GSA.europa.eu](http://www.GSA.europa.eu)





Thank you!

[alina.hriscu@gsa.europa.eu](mailto:alina.hriscu@gsa.europa.eu)

