

<https://www.gsa.europa.eu/newsroom/news/gnss-user-technology-report-2018-available-download-now>



European  
Global Navigation  
Satellite Systems  
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# The European GNSS Agency

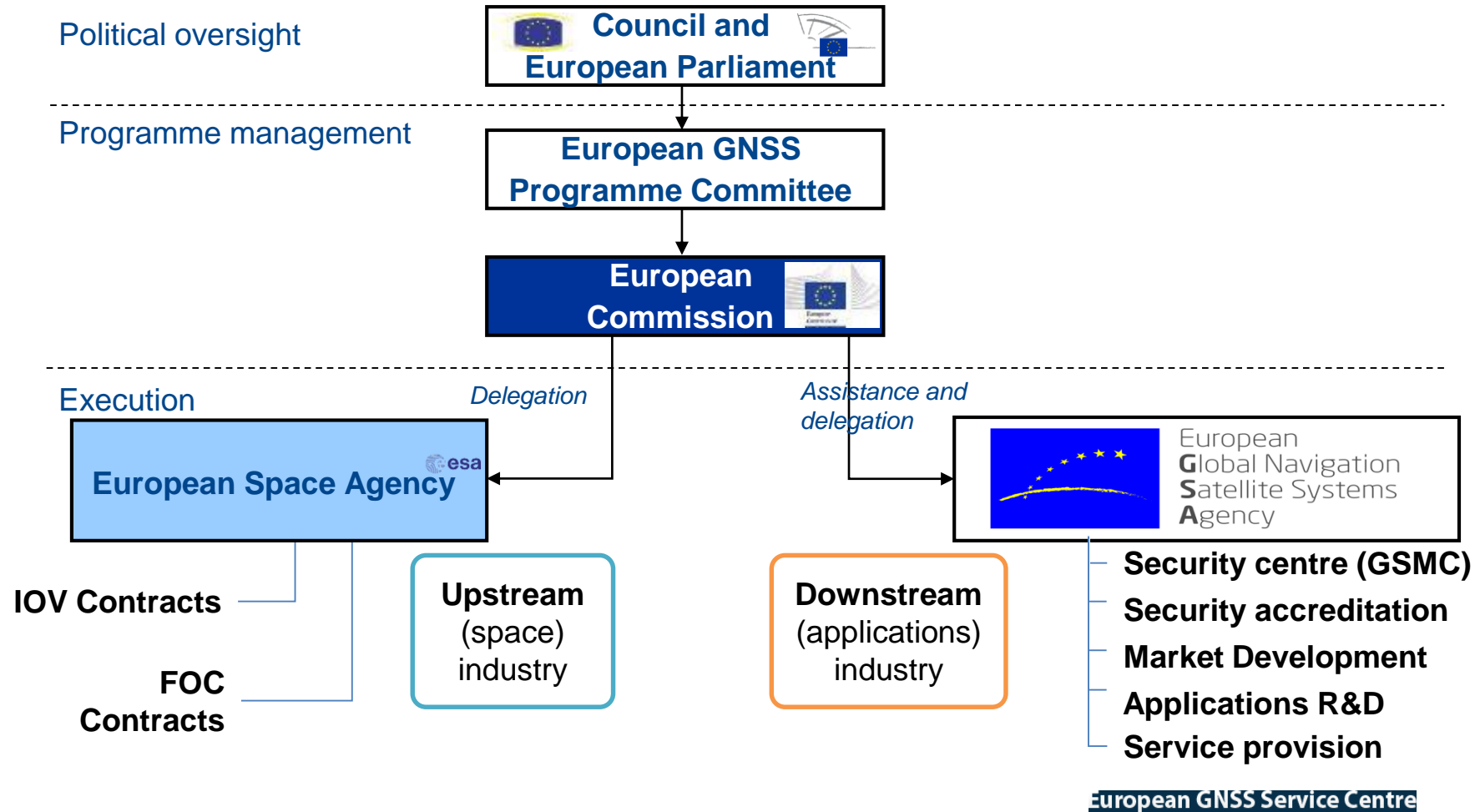
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## MaaS Plenary 2019

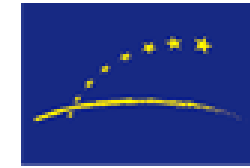


Alberto Fernández Wytténbach - European GNSS Agency

# The European GNSS Agency



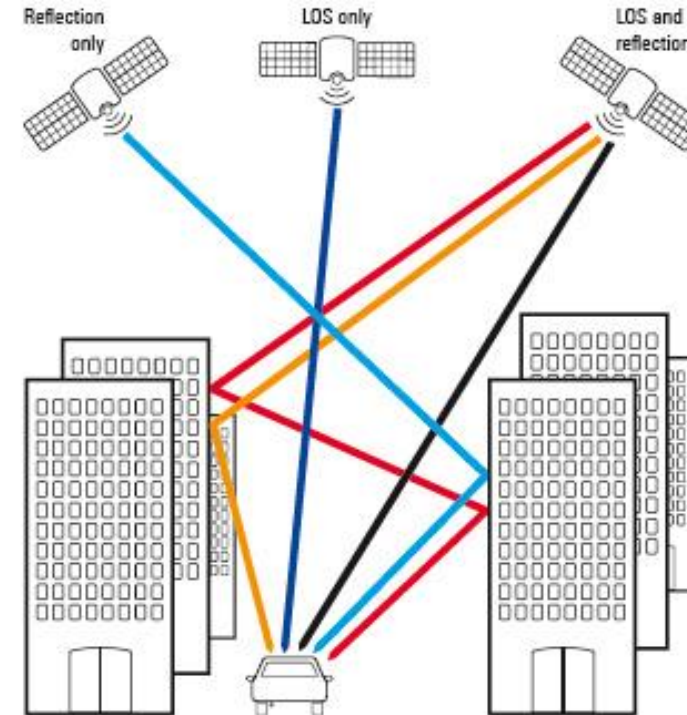
# Galileo Open Service improves positioning performance **WORLDWIDE** for **FREE**



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**Multiple GNSS:** more satellites visible in harsh environment (urban canyons, tree canopy,...)

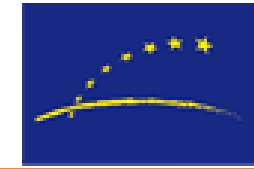


**Multiple frequencies** remove ionospheric errors and mitigate multipath reflections



# May 2018: World's first dual-frequency GNSS smartphone in the market


Galileo dual frequency  
L1/E1 – L5/E5



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In light urban environment



	50% [m]	68% [m]	95% [m]
Teseo V  life.augmented	1.03	1.21	1.81

# Galileo is used today on majority of professional devices and consumer platforms



- Galileo is operational since more than 2 years (Dec. 15, 2016)
- 26 Satellites flying -> 18 are fully operational



**Vast majority of the GNSS chipset market have dual frequency products Galileo E1-E5**

**600 Mill.** Galileo phones shipped as of end-2018



# Our contribution to MaaS Alliance

- Support the **technological dialogue** between MaaS operators and EU institutional stakeholders
- Give visibility and **promote the MaaS Alliance** objectives and potentially sponsor hosted events.
- Design **priority topics in new R&D** calls in Horizon Europe and other funding mechanisms



- The project *Galileo For Mobility* from the Horizon 2020 programme aims to demonstrate the benefits Galileo could provide within the MaaS context.



Advisory Board

