



# EGNOS services status

EGNOS Workshop 2024

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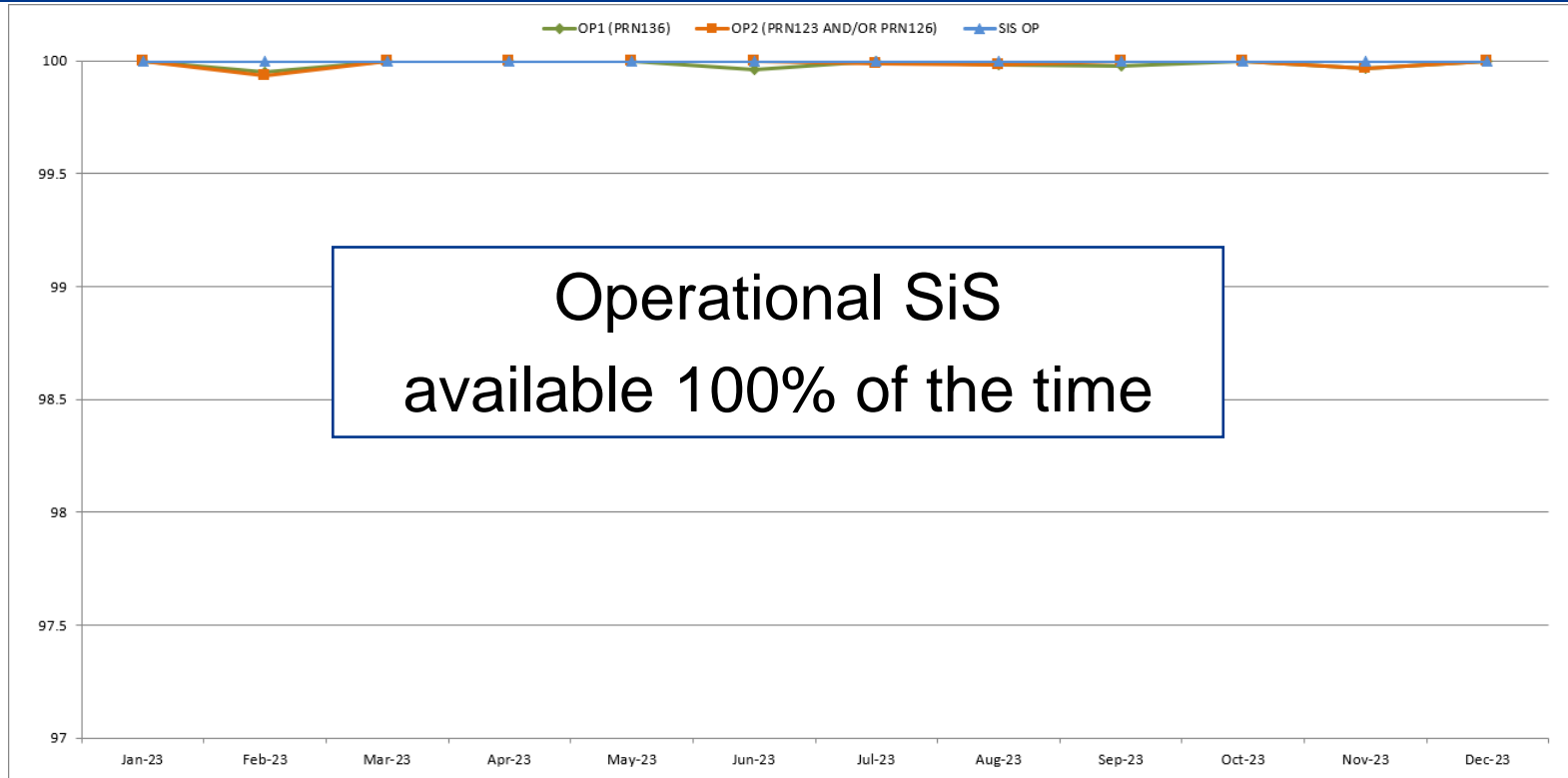


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- EGNOS Safety of Life Service (SoL)
- EGNOS Open Service (OS)
- EGNOS Data Access Service (EDAS)
- User Satisfaction

# Signal in Space (SiS) Availability

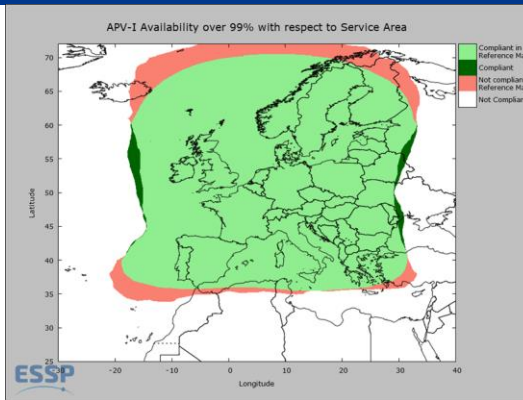
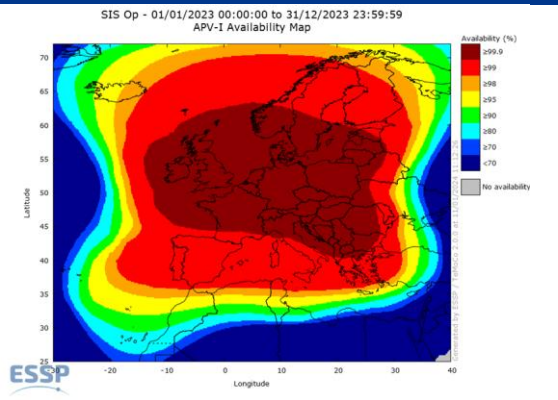
# SIS Availability



# EGNOS Safety of Life (SoL) Service

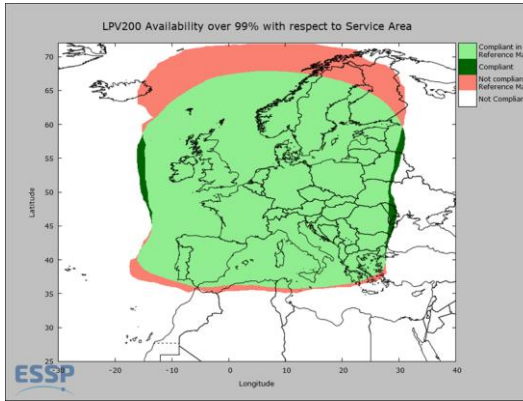
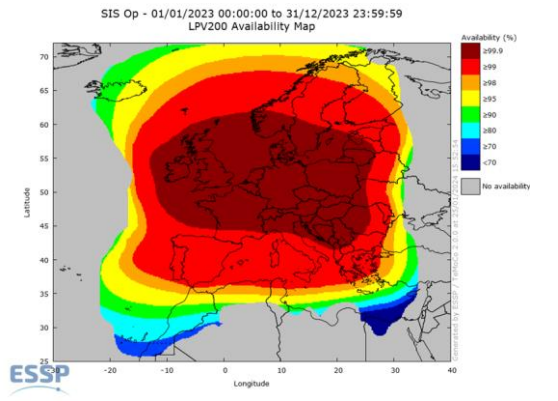
# EGNOS SoL: Availability (Jan-23 to Dec-23)

APV-I  
Service Level



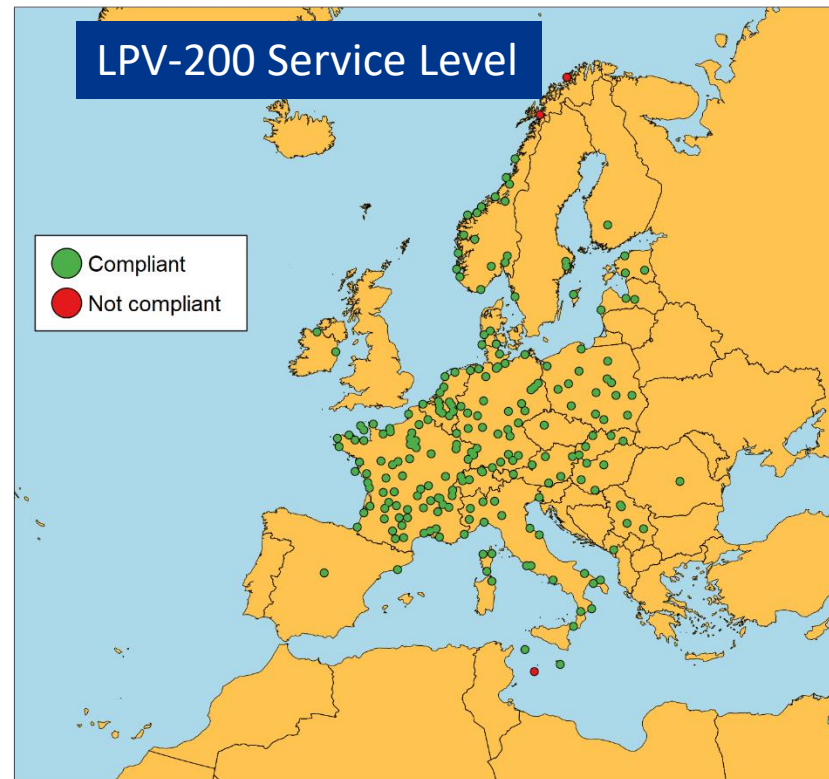
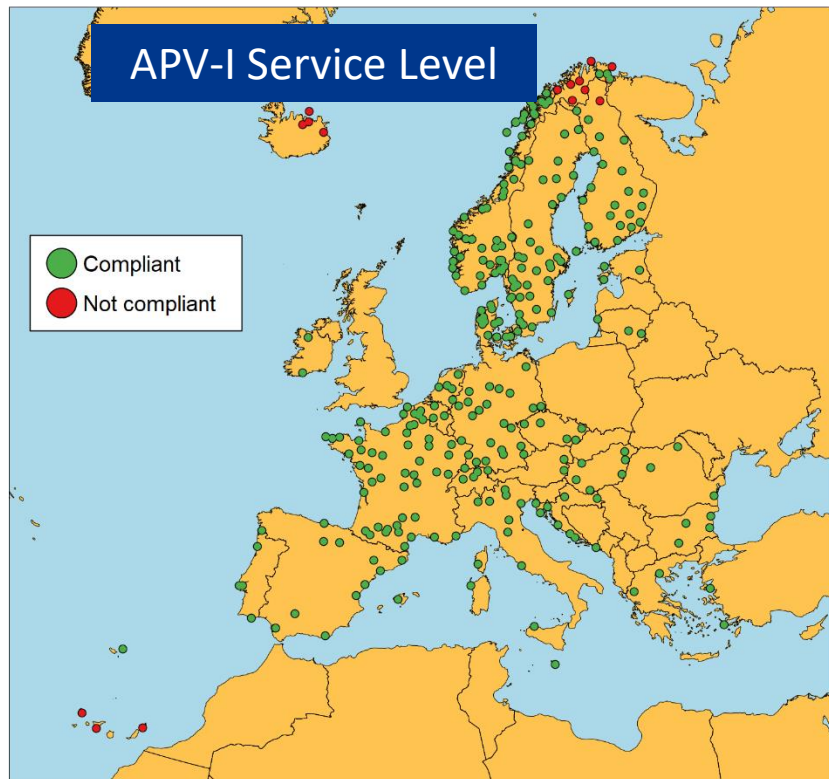
South and North borders: availability below 99%

LPV-200  
Service Level

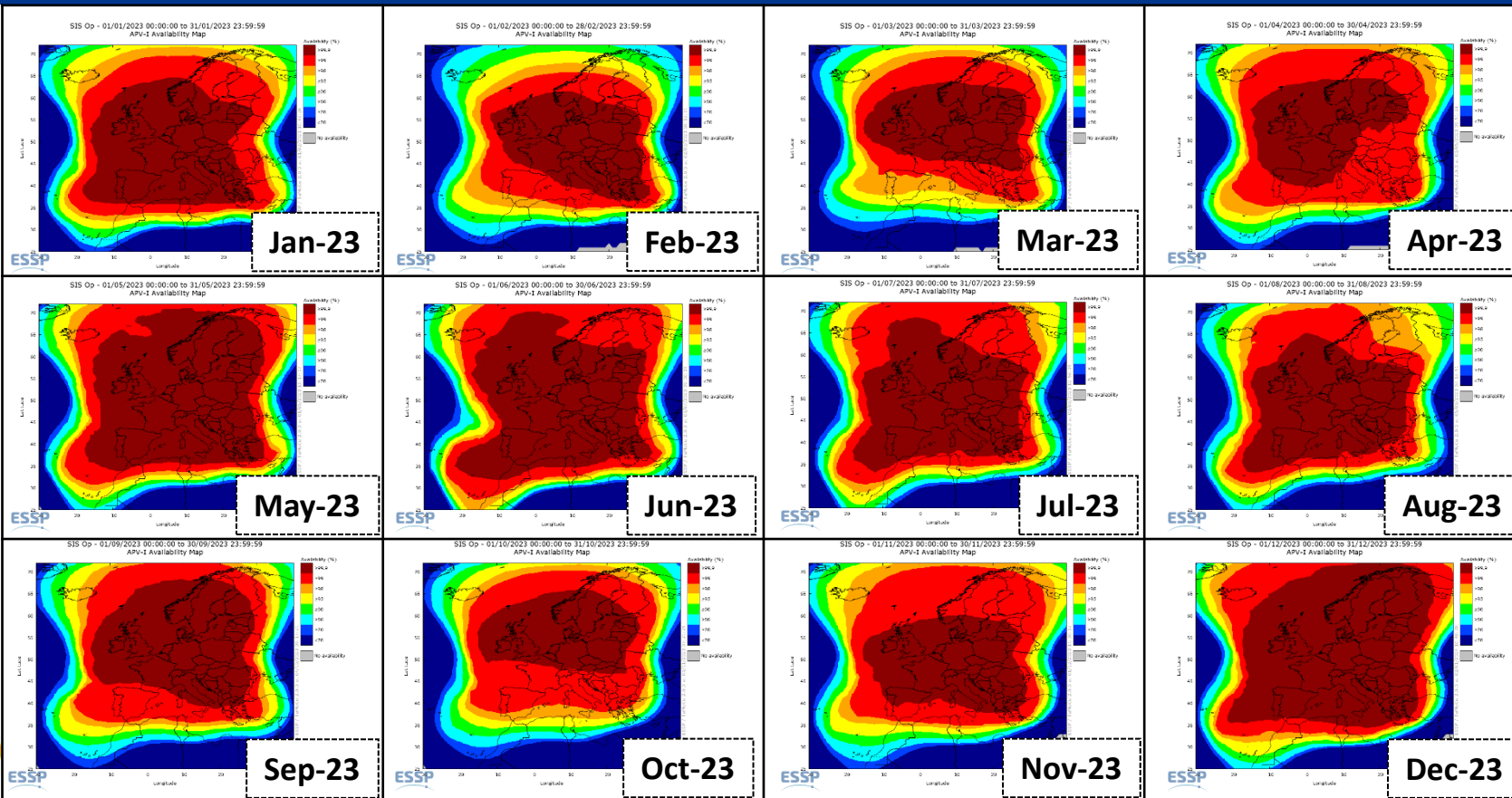


South and North borders: availability below 99%

# EGNOS SoL: Availability at airports (Jan-23 to Dec-23)



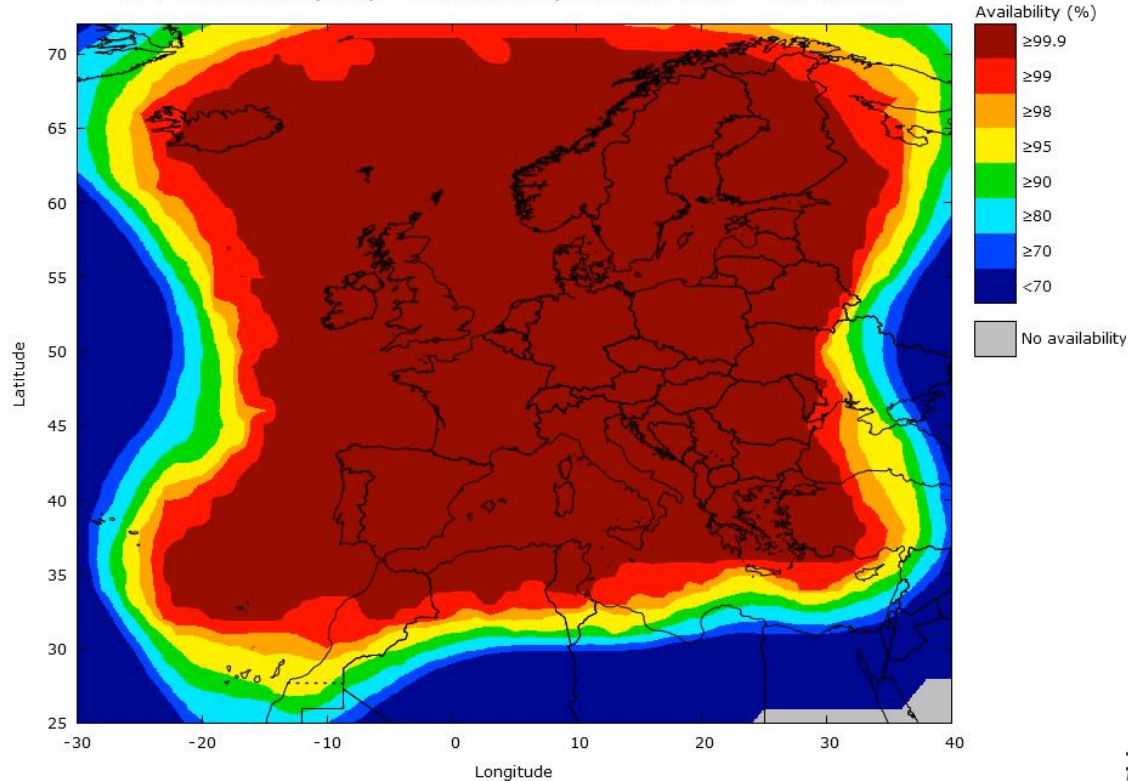
# EGNOS SoL: APV-I Availability monthly maps





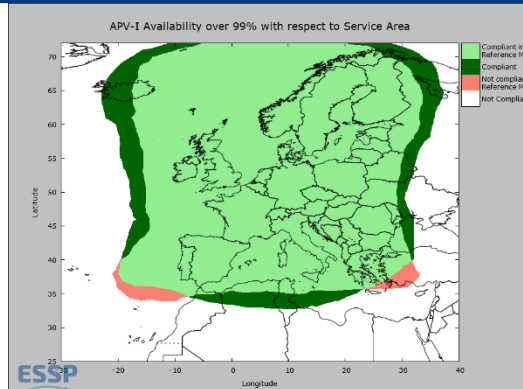
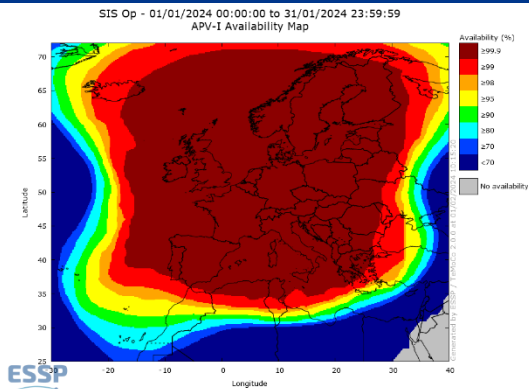
# EGNOS SoL: APV-I Availability daily evolution

APV-I Availability Map - Combined Operational PRNs - 01/01/2023



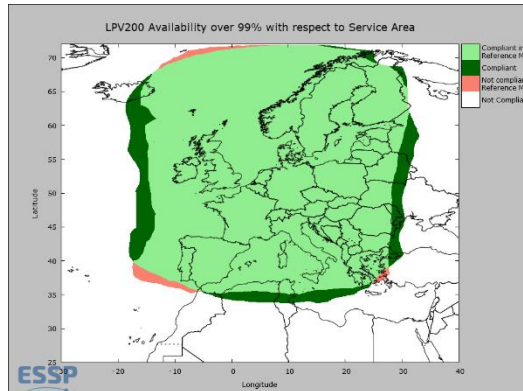
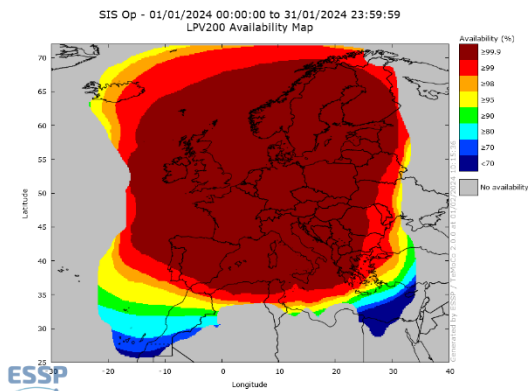
# EGNOS SoL: Availability (Jan-24)

APV-I  
Service Level



Southwest and  
Southeast corner:  
availability below  
99%

LPV-200  
Service Level

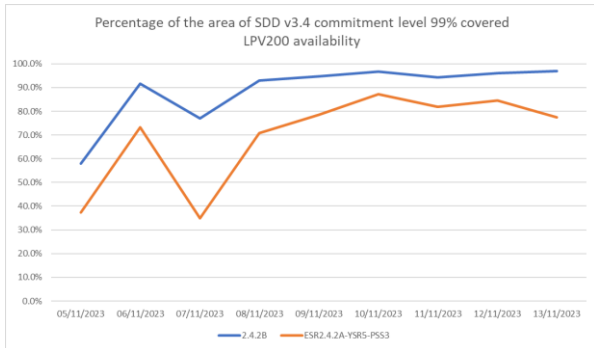


Southwest:  
availability below  
99%

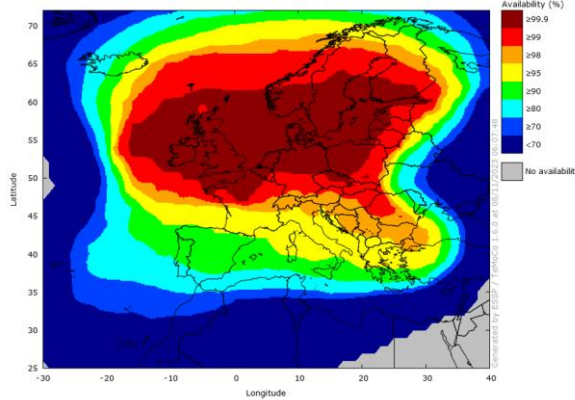
# EGNOS System Release 242B improvements

ESR242B was deployed on 4th November 2023, including enhanced ionosphere monitoring to improve robustness during the Solar cycle.

Example: 7<sup>th</sup> November 2023

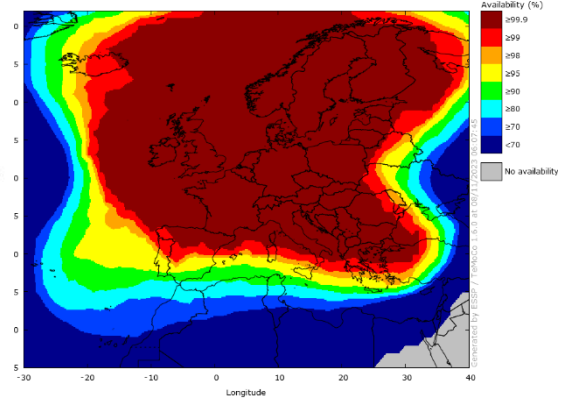


PRN 136 - 07/11/2023 00:00:00 to 07/11/2023 23:59:59  
APV-I Availability Map



ESR242A

PRN 123 - 07/11/2023 00:00:00 to 07/11/2023 23:59:59  
APV-I Availability Map



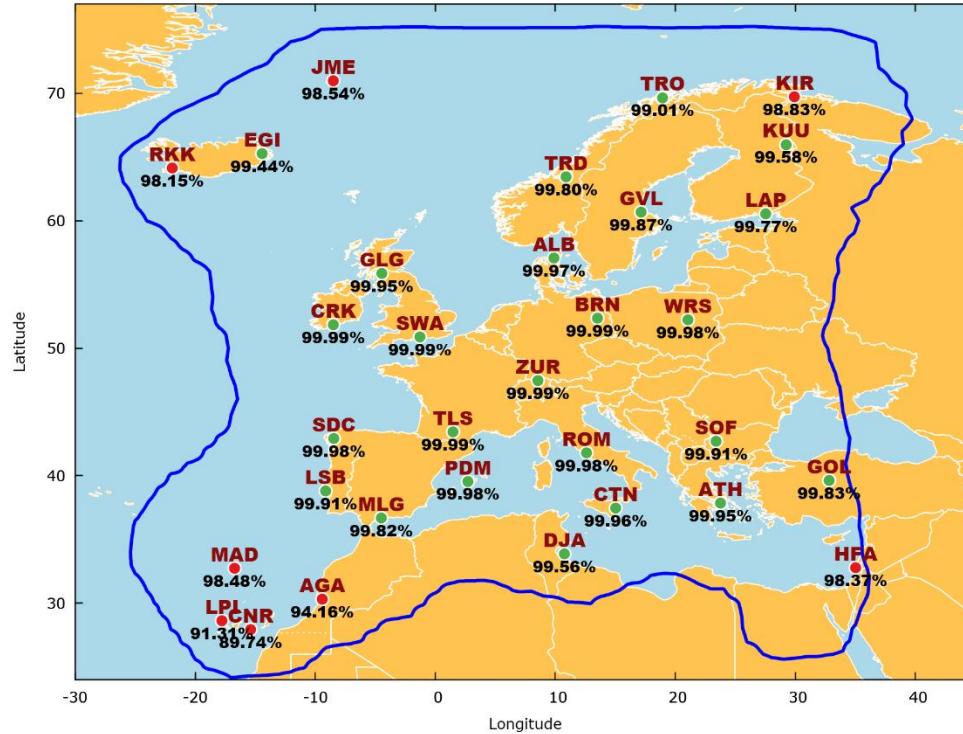
ESR242B

The improved performance can be easily observed during the first days (before 14<sup>th</sup> Nov) because GEO136 continued broadcasting with the previous EGNOS release while GEO123 was already updated to ESR242B

# EGNOS Open Service (OS)

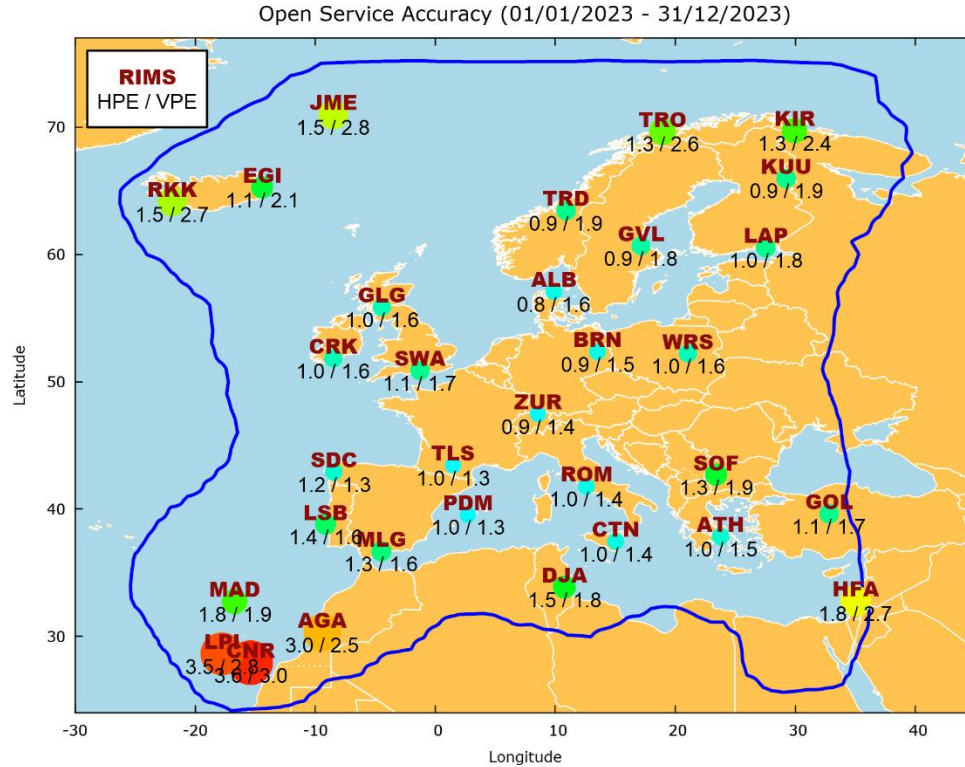
# EGNOS Open Service: Availability

Open Service Availability (01/01/2023 - 31/12/2023)



Availability > 99% with horizontal and vertical errors below 3m and 4m respectively

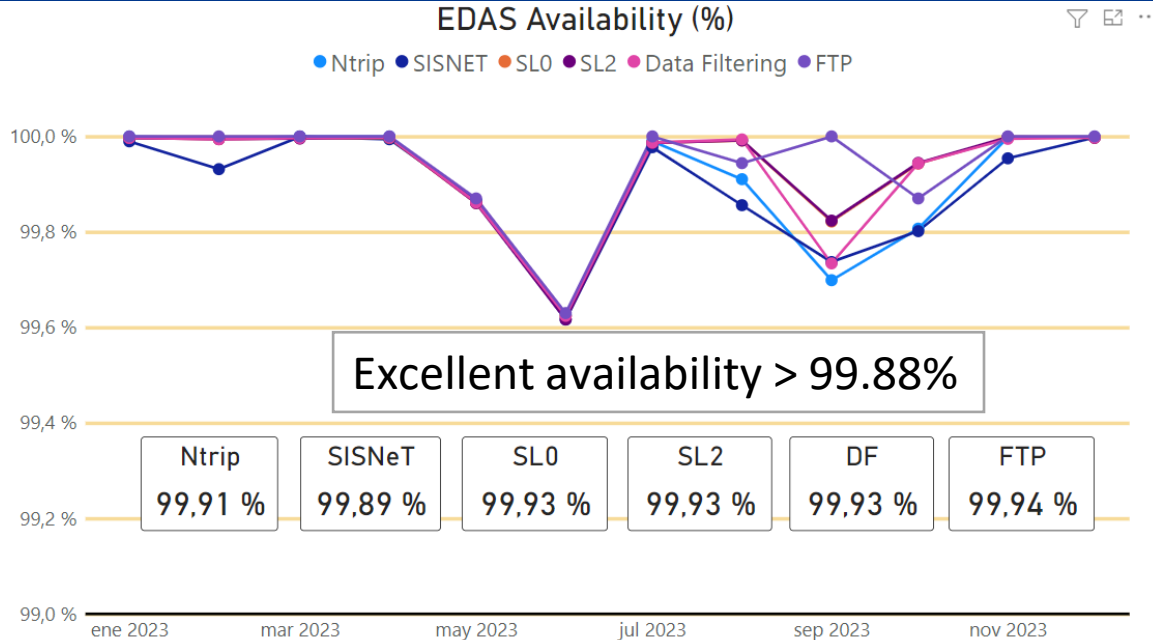
# EGNOS Open Service: Accuracy



# EGNOS Data Access Service (EDAS)



# EDAS Availability

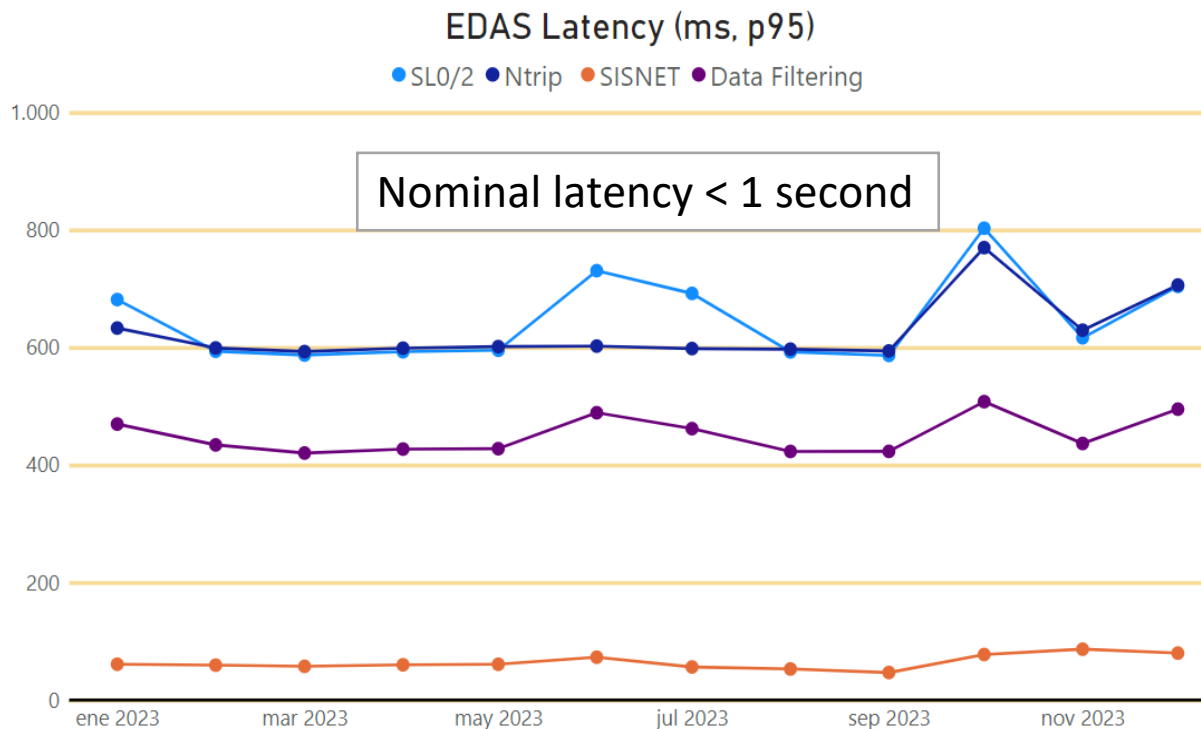


High availability – 24/7  
service operation

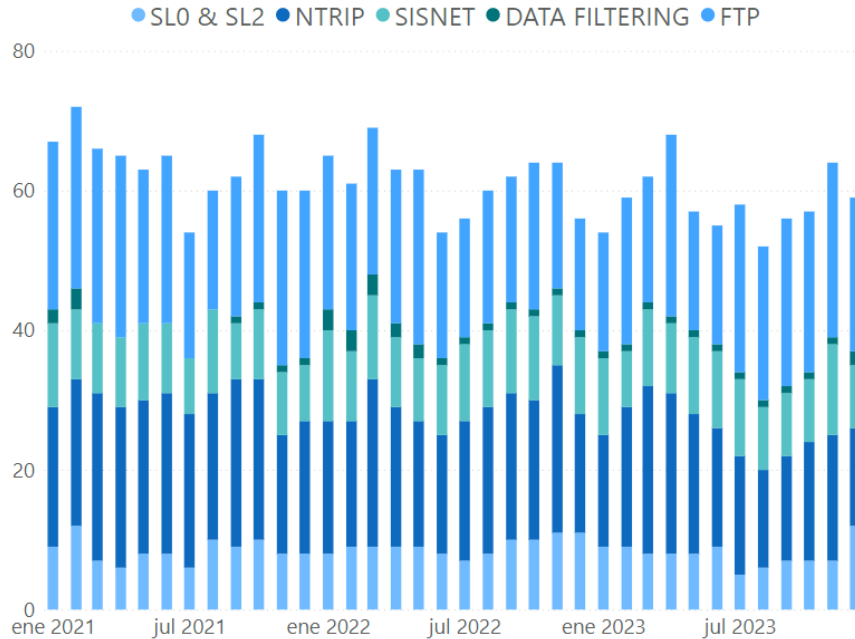




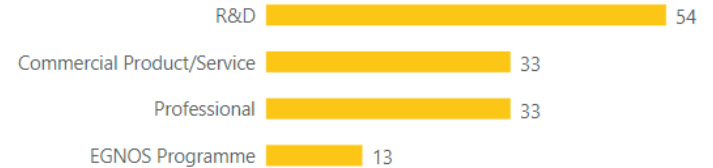
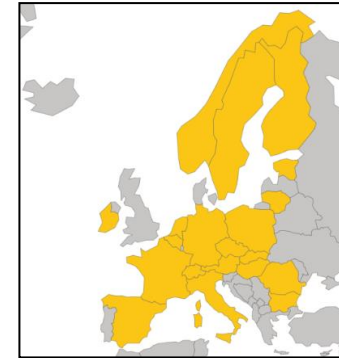
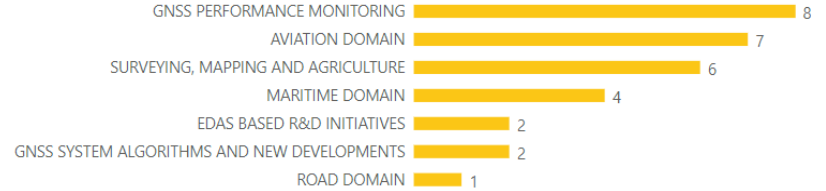
# EDAS Latency



# EDAS Users



EDAS Active Users



# User Satisfaction



# 2023 EGNOS USER SATISFACTION SURVEY



The European Union Agency for the Space Programme (EUSPA) and the European Satellite Services Provider (ESSP) seek your input for the 2023 EGNOS User Satisfaction Survey.



<https://ec.europa.eu/eusurvey/runner/GALILEO-EGNOS-User-Satisfaction-Survey-2023>

Presentation title

## EGNSS USER SATISFACTION SURVEY

▶ SHARE YOUR INSIGHTS



#EUSpace 



# Time for QUESTIONS!



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<http://egnos-user-support.essp-sas.eu>



[egnos-helpdesk@essp-sas.eu](mailto:egnos-helpdesk@essp-sas.eu)

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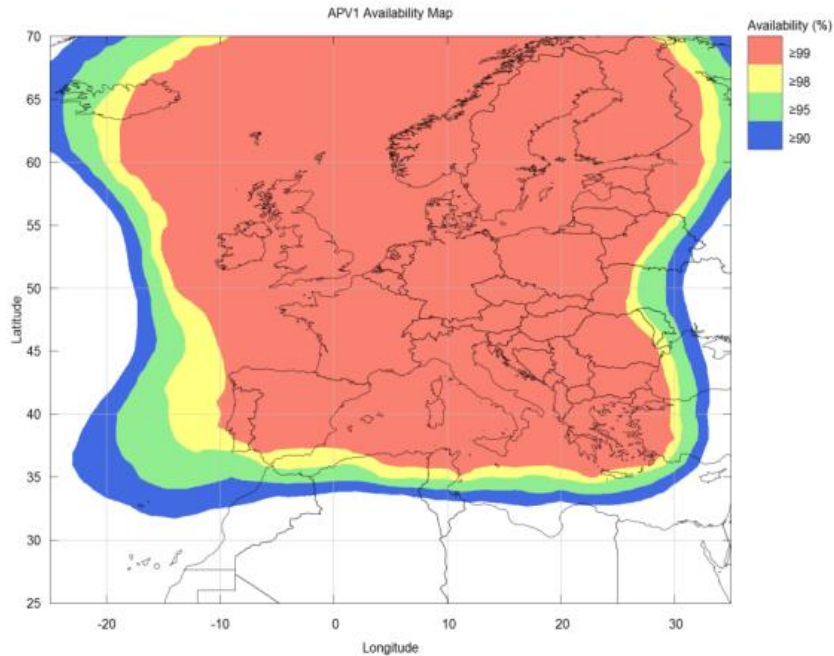
Corporate Video

**Thank you!**

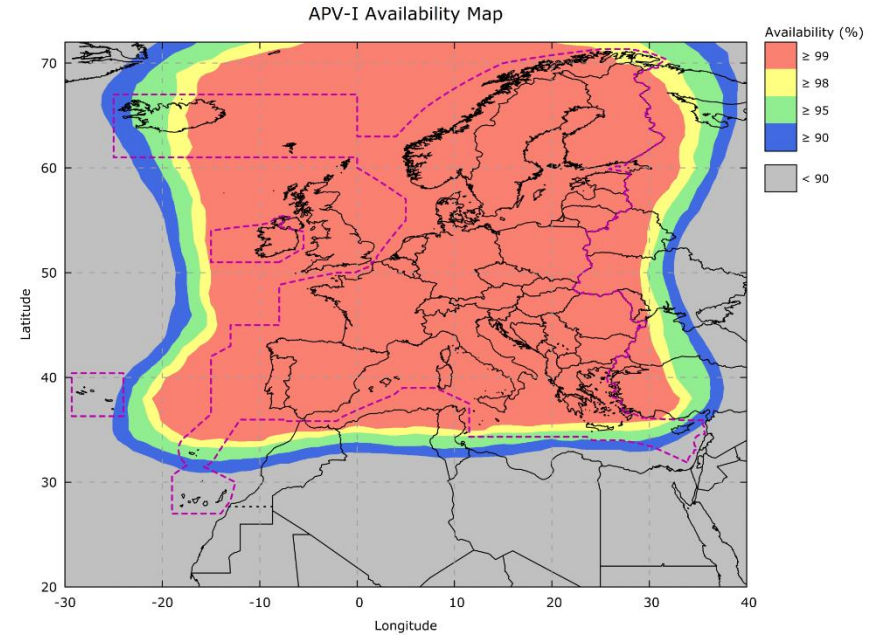
# Backup slides

# Service commitment APV-1 from 2014 to 2023

2014

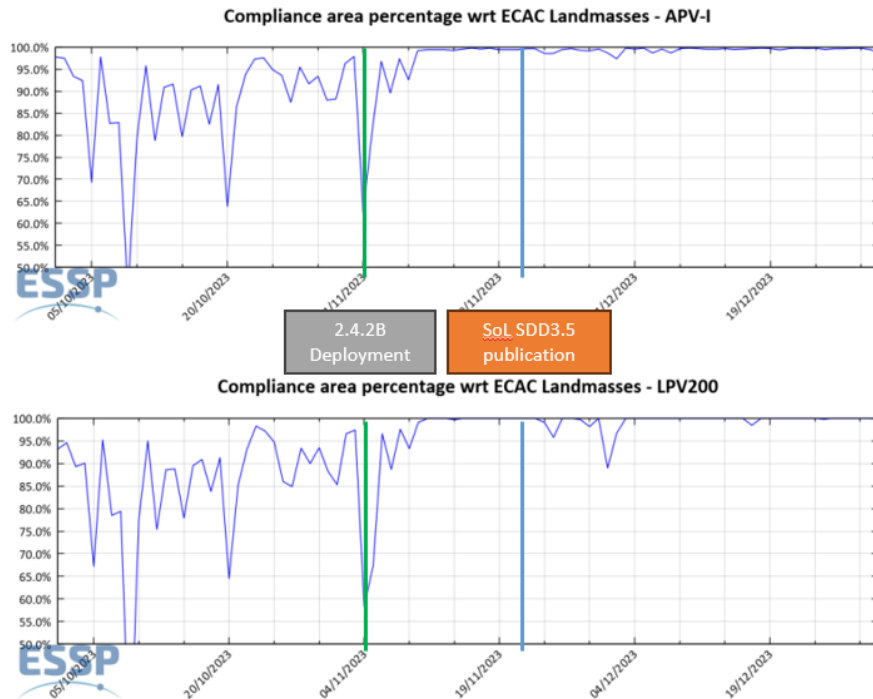


2023



# EGNOS System release ESR242B improvements

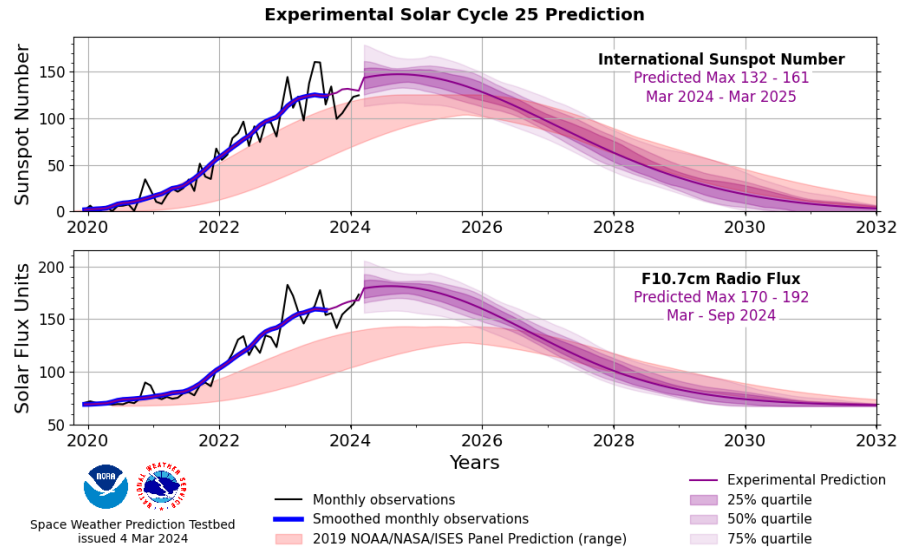
This new release, combined with the publication of a more representative SDD commitments allows to obtain a percentage of compliance close to 100%





# Solar Cycle 25 evolution

NOAA's Space Weather Prediction Center (SWPC) issued a revised prediction for Solar Cycle 25 concluding that solar activity will present a quicker and stronger peak than that predicted in 2019. The updated prediction now identifies Solar Cycle 25 peak between January and October of 2024



Source NOAA: <https://testbed.swpc.noaa.gov/products/solar-cycle-progression-updated-prediction-experimental>