

Linking space to user needs

Innovating with EUSPA in EU Space Downstream

Dr. Christina Giannopapa – Head of the Office of the Executive Director



EU Space Programme 2021-2027



EU Space activities under one umbrella



EGNOS

EGNOS “Makes navigation signals more accurate and trustable for Safety-critical applications”

Operational in **480+ airports** & helipads in 26 countries

97% of new tractors with GNSS in Europe equipped with EGNOS



Galileo

Global satellite navigation and positioning system (GNSS)

More than **4 billion Galileo receivers** worldwide



Copernicus

Earth Observation (EO) and monitoring based on satellite & non-space data

Nr. 1 world provider of space data and information (16TB/day)



GOVSATCOM

Secure satellite communications for EU governmental actors

Rapid support over crisis areas



IRIS²

Infrastructure for Resilience, Interconnection & Security by Satellites

Sovereign multi-orbit constellation

Cutting-edge technologies focused on government service



Space Situational Awareness (SSA)

Space Surveillance and Tracking (SST)

Space Weather Events (SWE)

Near-Earth Objects (NEO)

EUSPA's mission

New EU Space Regulation ((EU) 2021/696)



- To acknowledge the growing role of space in supporting EU priorities in terms of growth, competitiveness, sustainability, and security
- Setting the ground for the creation of EUSPA, officially launched on **12 May 2021**



Exploitation

- Galileo and EGNOS services provision and 24/7 operations – including management, operation, maintenance, improvement, evolution & protection of infrastructure
- GOVSATCOM hub and IRIS² preparation
- Space Surveillance and Tracking Front Desk



Security

- Security Accreditation
- Security Monitoring Center operations (GSMC)
- Governmental Service Provision
- Key contributor in the implementation EU Space Strategy for Security and Defence



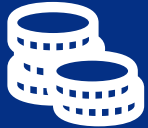
Utilization

- Market development, communications, user uptake, applications, innovation
- For Galileo, EGNOS, commercial use of Copernicus, GOVSATCOM, SST, and soon IRIS²

EUSPA: Facts and figures



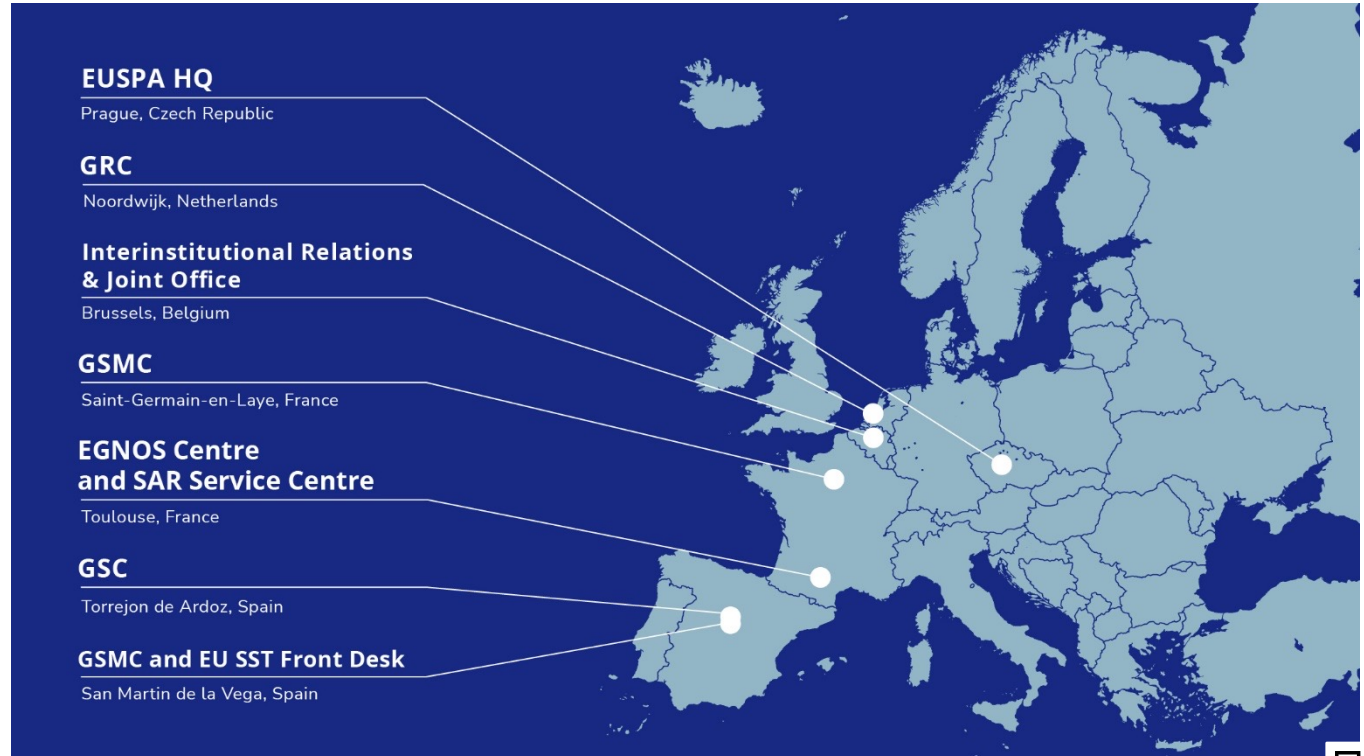
~320 staff
from EU Member States



Core budget*
€70M/year



Delegated budget**
2021 – 2027: ~€9.5B



Learn more about job
opportunities at EUSPA

In addition to the EUSPA-operated sites: Galileo Joint office of EC, EUSPA, and ESA in Brussels, Belgium.

EUSPA contributes to the EU Agenda

Stronger Europe

Strategic autonomy and non-dependence of Europe in space

Green Deal

EU-space-based applications for sustainable economy, transport, agriculture, biodiversity, energy, smart cities, etc.

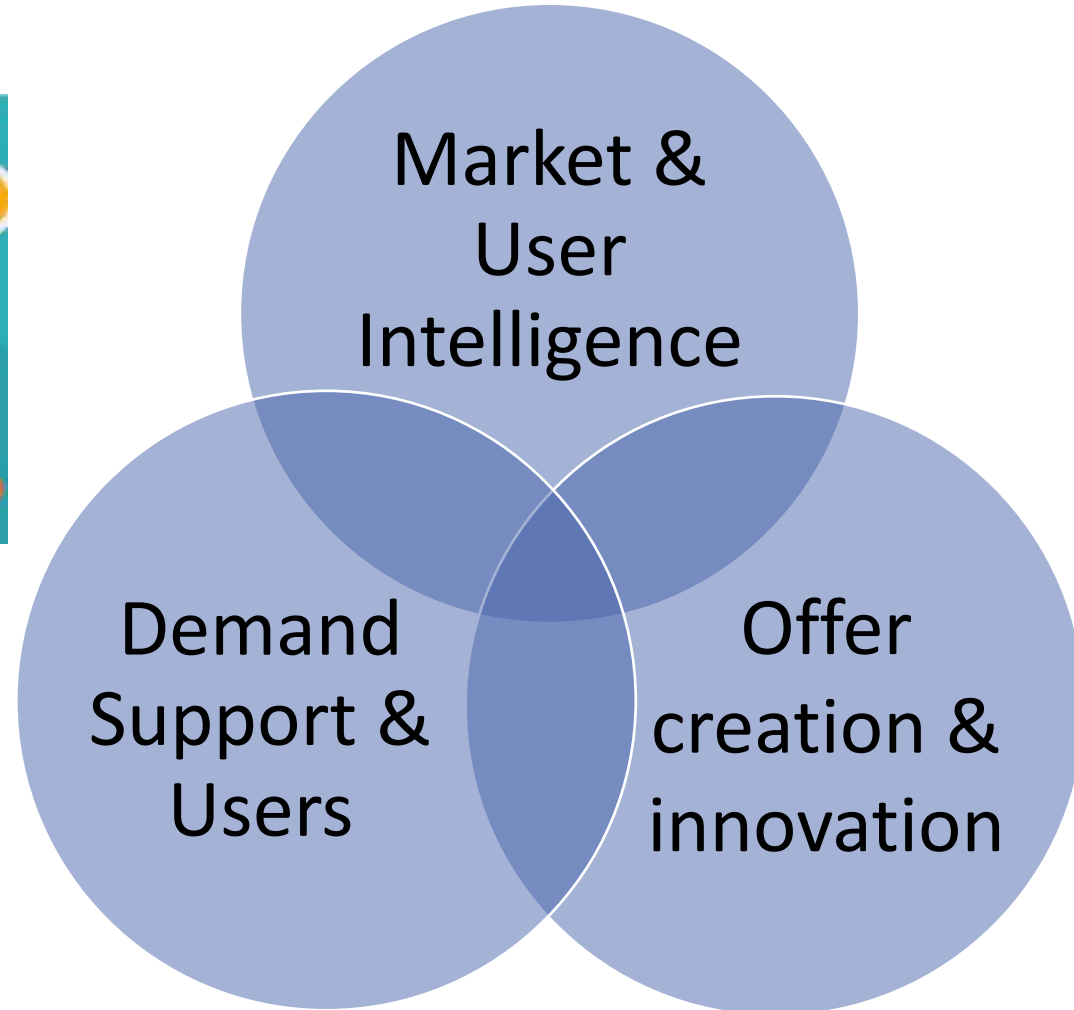
Digital

Security of EU Space, uninterrupted high capacity connectivity everywhere, IoT

Resilience

Innovative space downstream sector

Why innovating with EUSPA?



EO and GNSS Market Report issue 2



Get your copy!

#EUSpace 

Available at EUSPA website



- Available since 23/24 Jan 2024
- Editor's special on Resilient Societies
- 15 market segments
- Description of overarching market drivers such as the digital transition, climate change, growing population, energy demand and supply chain challenge and the rise of New Space entrepreneurship
- Added value and key differentiators of EGNSS and Copernicus are showcased across each market segment, both separately and in synergy with each other



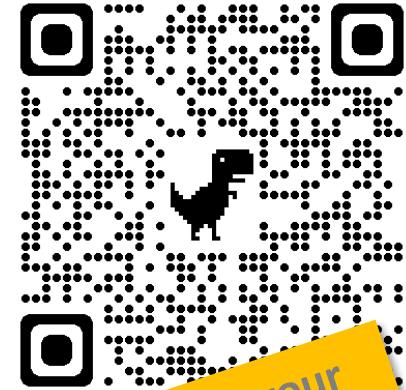
... and adding SATCOM

EUSPA Secure SATCOM
Market and User
Technology Report

Download the report



#EUSpace 



Get your copy!

EUSPA publications on how EU Space data can contribute to green transformation and sustainable development

The report analyses the EU space role for reducing environmental footprints of companies in the following domains:

- Clean energy production and supply
- Clean industry boosting a cleaner industry
- Construction and renovation
- Smart and sustainable mobility
- A healthier and greener food system
- Restored ecosystems and biodiversity

EU Space for Green Transformation



In collaboration with UNOOSA



EGNSS and Copernicus Supporting the Sustainable Development Goals



- It analyses the role of EGNSS and Copernicus supporting the UN Sustainable Development Goals
- It stresses the potential of EGNSS-EO convergence stimulating innovation and increasing the use of space technology

EU Space Supporting a World of 8 Billion People



In collaboration with UNOOSA

- 15 November 2022, the world's population reached 8 billion people milestone
- The report demonstrates how EU Space and its synergies can actively contribute to tackling the several challenges related to a 8 billion world

Joining forces with other players as focal point for EU Space downstream...



European Space Agency

Copernicus Entrusted Entities

EC DGs and EU Agencies

Members States / National Space agencies

Standardisation and industrial bodies

Accelerators and Private investors

European Investment Fund

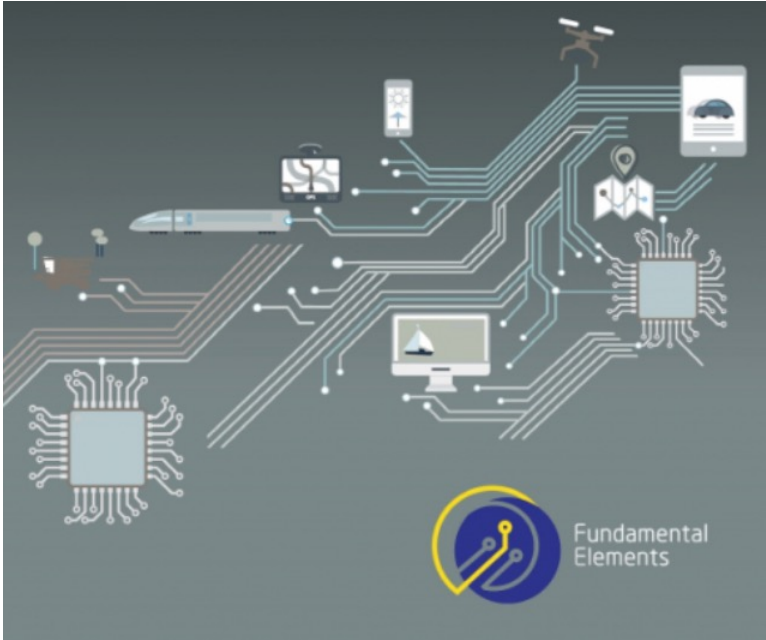
European Investment Bank

Extended Research & Innovation as integrated strategic tool for the uptake

Horizon Europe

User Technology

Entrepreneurship support



HORIZON EUROPE

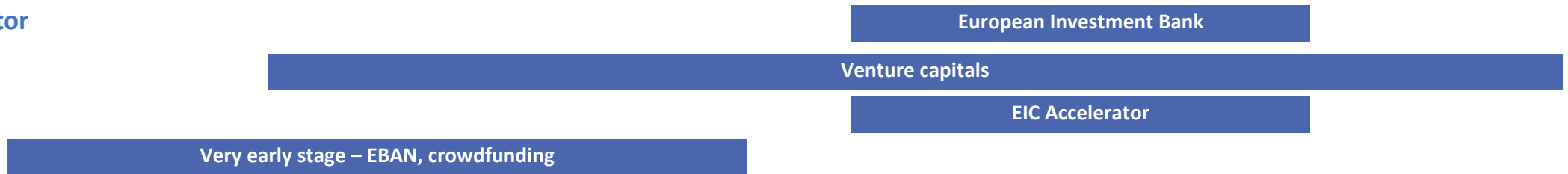


EUSPA and Cassini: 360 degrees approach for space entrepreneurs

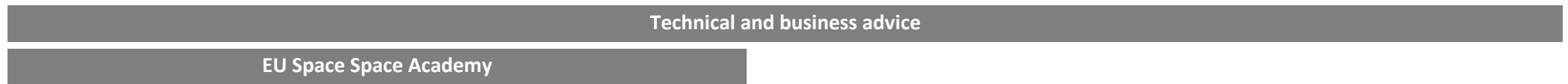
Develop your solution



Find a right investor



Get advice



Build a customer base



Start-up phase

Cassini 2021-2027 overview

THE ROAD TO NEW SPACE

- Clear vision for European space businesses and markets
- New industry setup
- New entrants
- New private investment
- New markets
- New solutions





**Elevate
your ideas!**



EU Space Academy Learning Platform



- Free, Online, customizable training to help innovators to develop their #EUSpace ideas.
- Awareness raising of **#EUSpace and its possibilities**
- **Business** training & mentoring
- **Technical** training & mentoring
- **Investment readiness**
- Networking & matchmaking
- Access to financing & funding

A programme empowering innovators to explore and harness the huge potential of Space



Free, online & customisable training to help innovators develop their EU space idea

They can access all the tools that they need to turn their space-tech-enabled solutions into reality, including technical and business trainings, workshops and personalised feedback

EU Space Academy

Latest Edition facts and figures

700+

participants registered on the platform

450+

subscribers to the newsletter

18

learning modules

32

office hour & workshop sessions provided

+50

expert lecturers, trainers and mentors

+250

different start-ups registered on the platform

419k

online reach

120

average views per module

+100

mentoring sessions provided

86%

would recommend the programme

Subscribe to our newsletter

Watch This Space

... and receive the latest #EUSpace news every week in your mailbox.

To subscribe, scan the QR code below:

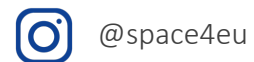




Linking space to user needs

Get in touch with us

www.euspa.europa.eu



EUSPA is hiring!

Apply today and help shape the future of #EUSpace!