



Innovating with EUSPA, toward a new generation of Space entrepreneurs



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European Union Space Programme



Copernicus

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

Nr.1 world provider of
space data and information
(>20TB/day)



Galileo

Global satellite navigation
and positioning system
(GNSS)

More than **2 billion Galileo
receivers** worldwide



EGNOS

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

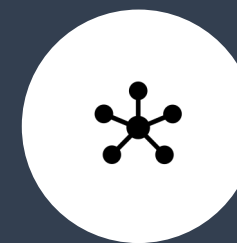
Operational in **400+**
airports & helipads in 23
countries



GOVSATCOM

Secure satellite
communications for EU
governmental actors

Rapid support over crisis
areas



Others

Space Situational
Awareness (SSA/SST)

Secure Connectivity

Access to Space

EUSPA's mission



Services

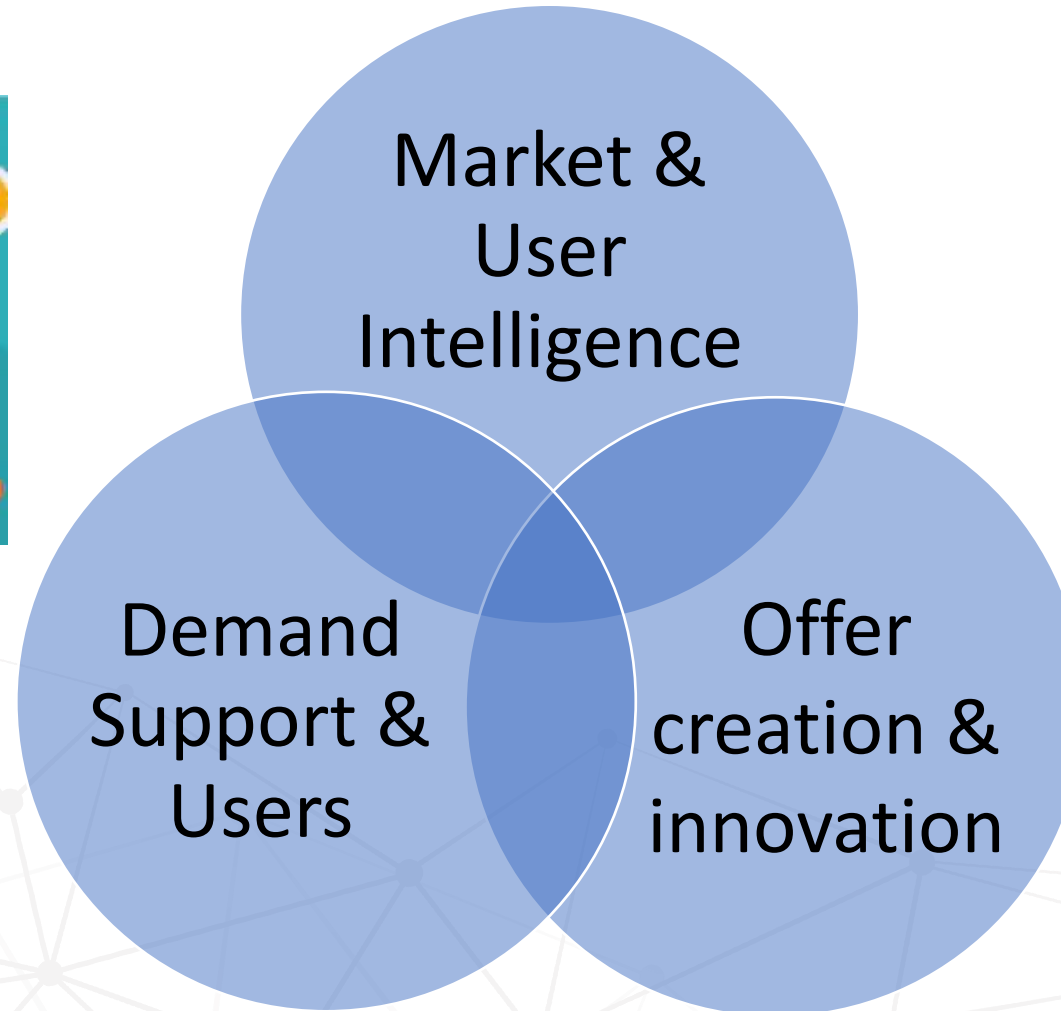


Security



Market development,
applications & innovation

Why innovating with EUSPA?



Bringing market intelligence to EU entrepreneurs



https://www.euspa.europa.eu/sites/default/files/uploads/euspa_market_report_2022.pdf

The first edition of the EUSPA's EO and GNSS Market Report includes among other topics:

- General overview of the global EO and GNSS market common to all application areas
- In-depth analysis of seventeen market segments:



- Editor's special: Innovative Solutions for Health

GNSS highlights from the report

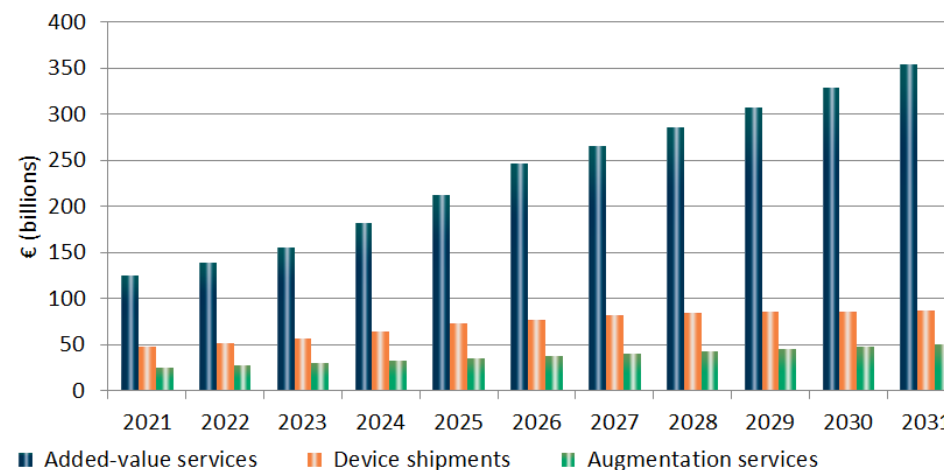


“The global GNSS downstream market revenues from both devices and services will grow from almost €200 bn in 2021 to €500 bn in 2031 ”



“By 2031, more than 10 billion GNSS devices will be in use across the world”

Revenue from GNSS devices sales and services



EO highlights from the report

“With revenues set to double from roughly €2.8 billion to over €5.5 billion over the next decade, the market for Earth Observation applications is boosted by a large pool of value-added services (i.e. 85% of global revenue)”



“The Insurance and Finance segment is expected to experience the fastest growth over the next decade for both data and value-added service revenues, boosted by the growing use and demand for parametric insurance products in the context of disaster resilience frameworks”



“Although the European EO industry is dominated by SMEs and start-ups, from a supply perspective, European companies hold over 41% of the global EO market”

Extended Research & Innovation as integrated strategic tool for the uptake

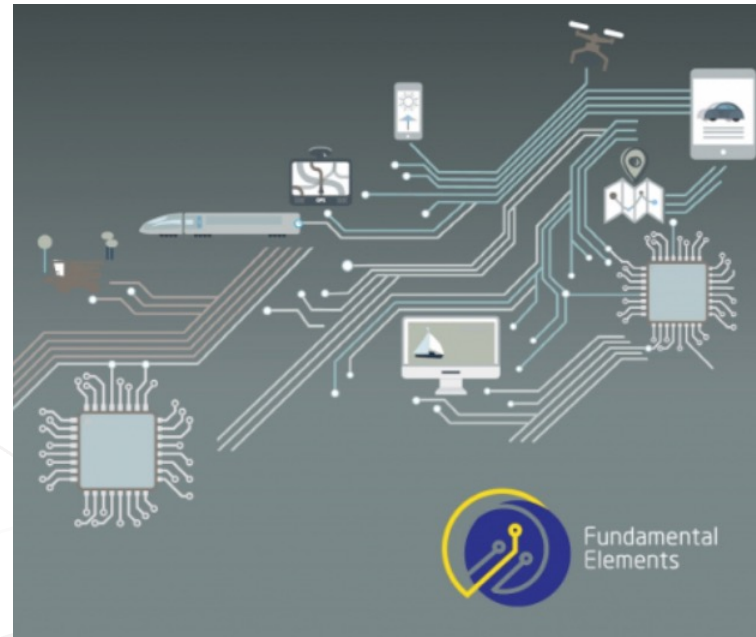
Horizon Europe

User Technology

Entrepreneurship
support



HORIZON EUROPE



EUSPA Horizon Europe call of 2022 (HORIZON-EUSPA-2022-SPACE)



Opening: 27 October 2022
Deadline: 16 February 2023

Type of Action	Topic	Indicative budget (EUR mln)	Funding rate
IA	EGNSS applications for Smart mobility	9.5	70% (except for non-profit legal entities, where a rate of 100% applies)
PCP	Public sector as Galileo and/or Copernicus user	5.2	100 %
IA	Copernicus downstream applications and the European Data Economy	9.6	70% (except for non-profit legal entities, where a rate of 100% applies)
RIA	Large-scale Copernicus data uptake with AI and HPC	9.6	100%
RIA	Designing space-based downstream applications with international partners	5,1	100%
RIA	GOVSATCOM Service developments and demonstrations	9,1	100%
TOTAL budget:		48,1	

Innovation action (IA)

Activities to produce plans and arrangements or **designs for new**, altered or **improved products**, processes or services.

Research and innovation action (RIA)

Activities to **establish new knowledge** or to **explore the feasibility** of a new or improved technology, product, process, service or solution.

Pre-commercial procurement actions/ (PCP)

Activities that aim to help a buyers' group to strengthen the public procurement of research, development, validation and, possibly, the first deployment of new solutions

* dates are tentative and subject to change

Cassini: building a new generation of space entrepreneurs



Develop your solution

- Cassini Hackathons
- Cassini MyEUSpace
- Cassini Business Accelerator
- Horizon Europe
- Fundamental Elements

Get advice

- Technical advice
- Business advice
- EUSPA Space Academy

Connect with investors

- Very early stage – EBAN, crowdfunding
- EIC Accelerator
- Venture capitals
- European Investment Fund
- European Investment Bank

Find customers

- Contacts with industry
- Networking events
- Dedicated promotion

Examples of success stories



Autonomous parking lot solution using GNSS as a source of positioning



Navigation systems for Unique Tracking of Intelligent Life-saving capsule (NAUTILUS) for autonomous delivery of medical goods



Intelligent Platform powered by GNSS, AI, EO and IoT for Urban Green Space Management companies.





Linking space to user needs

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