



# Innovating with EUSPA in EU Space Downstream

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# Why innovating with EUSPA?



Market &  
User  
Intelligence

Demand  
Support &  
Users

Offer  
creation &  
innovation



# Bringing market intelligence to EU entrepreneurs



[https://www.euspa.europa.eu/sites/default/files/uploads/euspa\\_market\\_report\\_2022.pdf](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

# 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)”*



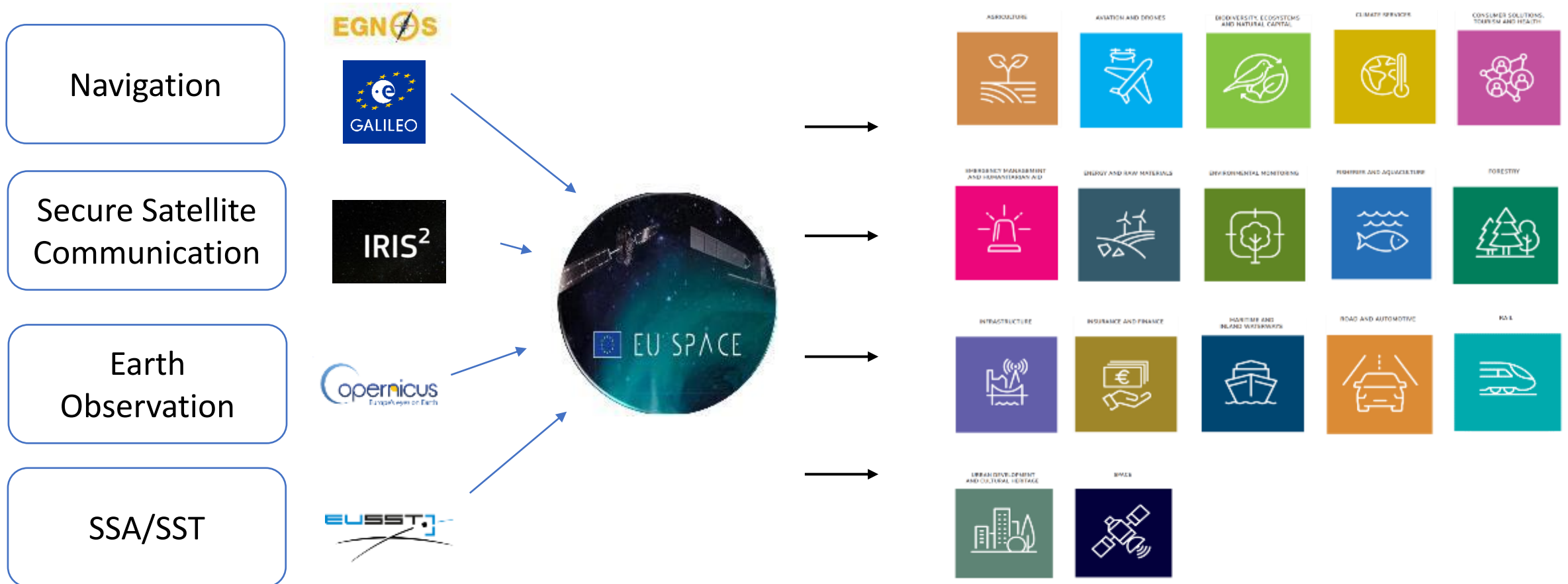
*“The Insurance and Finance segment is expected to experience the fastest growth over the next decade for both data and value-added service revenues, boosted by the growing use and demand for parametric insurance products in the context of disaster resilience frameworks”*

*“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”*





# The EU Space synergic approach toward the market



# 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

European Investment Bank

Standardisation and  
industrial bodies

Accelerators and Private  
investors

European Investment Fund

# Extended Research & Innovation as integrated strategic tool for the uptake

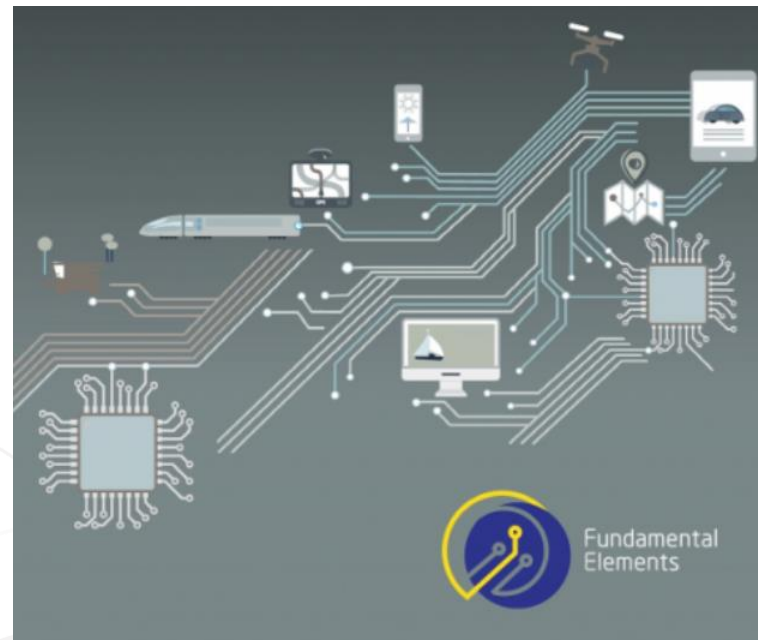
Horizon Europe

User Technology

Entrepreneurship support



**HORIZON EUROPE**



**CASSINI SPACE  
ENTREPRENEURSHIP  
INITIATIVE**



# Participation of Belgium companies / organizations to Horizon EUSPA calls



5  
Coordinators

> 40  
Participations

10 mil EUR  
budget

Project	Call	Type of participation	Participant
100KTREES	1	Partners	EUROSENSE BELFOTOP, VUB
BUILDSPACE	1	Partner	NAZKA
BirdWatch	1	Partner	VITO
CLUG 2.0	1	Coordinator	UNIFE
SWIFTT	1	Partner	TimbTrack
EWOKS	1	Partner	EENA
CERTIFLIGHT	1	Partner	UNIFLY



# 100KTREES

**Decision Toolbox for cities to improve air quality, biodiversity, human wellbeing and reduce climate risks by planting more trees in our cities**

Galileo and Copernicus **supporting EU's biodiversity strategy** for 2030, improving urban planning and **life in European cities**, where 75% of the population lives

Coordinator:



11 participants from:



## Satellites for Wilderness Inspection and Forest Threat Tracking



**Protect forest health and production** with an early warning system of forest threats, using space data and Artificial Intelligence



Coordinator (SME): **wildsense**

9 participants from: 



# BIRDWATCH

A Copernicus-based service for the improvement of habitat suitability of farmland birds via satellite-enabled monitoring, evaluation and optimisation of CAP greening measures

Leveraging EU Space data to **protect agricultural biodiversity** and improve farmland ecosystems health in Europe

Coordinator (SME):



7 participants from:



# BUILDSPACE



## Enabling Innovative Space-driven Services for Energy Efficient Buildings and Climate Resilient Cities

Digital Twins for buildings - **Greener and more sustainable buildings** and urban areas in European cities

Coordinator: **Singular Logic**

13 participants from: 



# CERTIFLIGHT

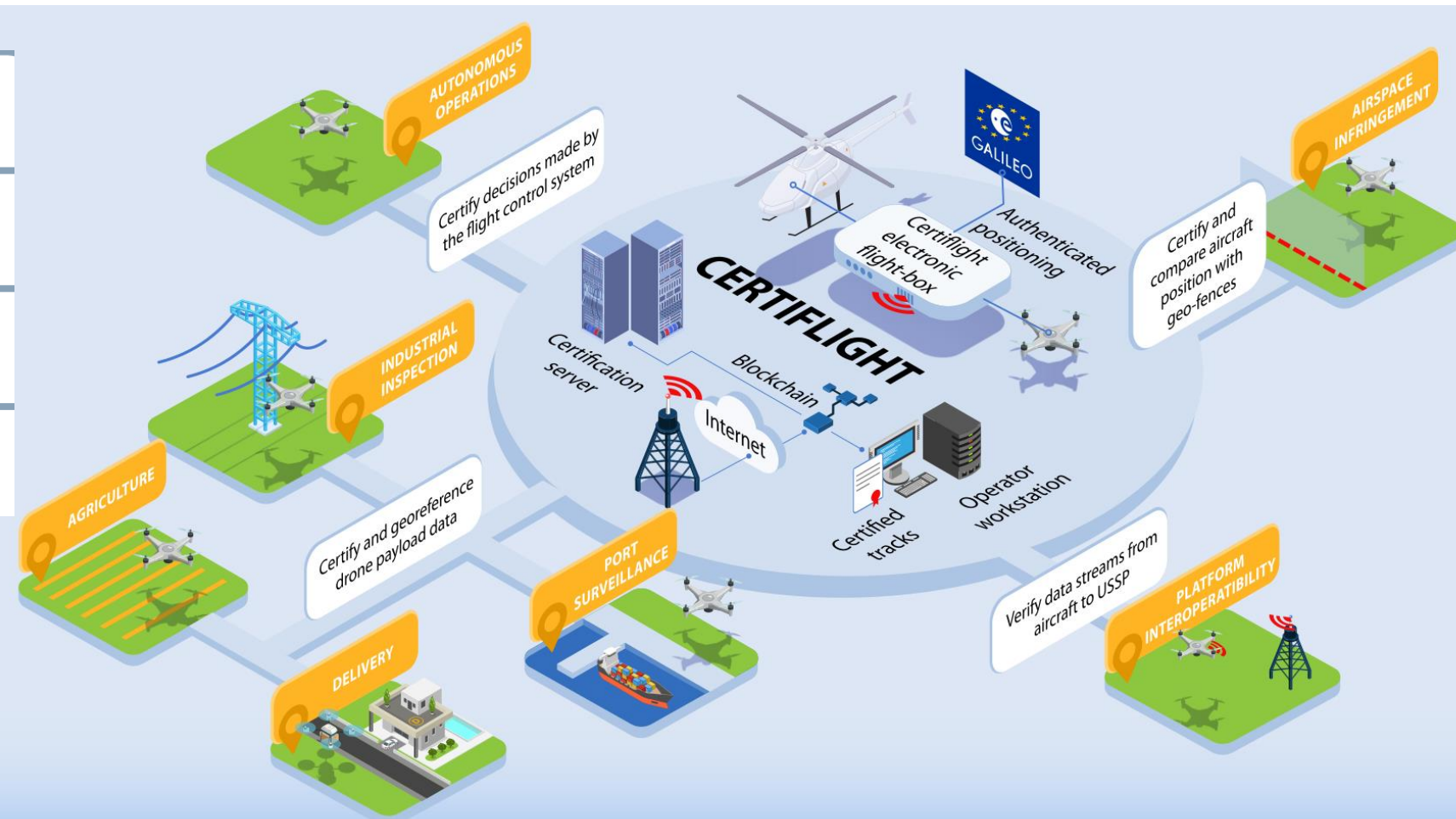


**Objective:** digital service for the generation of certified reports of flight tracks for drones

**Target:** safety-critical and commercially valuable applications: parcel delivery, maritime surveillance, position reporting



- Integration in Unmanned Traffic Management system
- Demo in Port of Antwerp-Bruges





# EUSPA support to start-ups: join our 1000+ space start-ups network!



## 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



# Cassini Hackathons



## CASSINI Hackathon #5: Space for Defence & Security

Space for Defence & Security



## 6<sup>th</sup> CASSINI Hackathon: Space for Humanitarian Aid

Space for Humanitarian Aid



**Date: 24-26 March 2023**

**More than 300 participants**

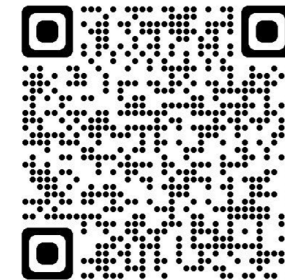
**In cooperation with EDA and NATO**

**Date: November 2023**

**A new call for local organizers will be published in Q2 – Don't miss the opportunity to have it in Belgium!**



# myEUspace competition for startups innovating on the use of EU space data



**Development of commercial solutions** (mobile apps, wearables, robotics etc.) using **EU space data** and their **synergies**



Open to **entrepreneurs, start-ups, scale-ups** or **university students** coming from EU Member States, Norway, Switzerland or Iceland

Participants can apply with...

a **product** to scale-up their business? 📌 Deadline for submissions: **25 April 2023**

...in one of the following innovation areas:

**Space my Life**

Consumer solutions addressing everyday life (sports, health, tourism, gaming etc.)

**Our Green Planet**

Solutions addressing environmental challenges, sustainable life and the green transformation of corporates

**Dive in Deep Tech**

Solutions combining EU space data with deep technologies (AI, quantum, blockchain, metaverse etc.)



€ 1.000.000  
PRIZE POOL



30  
AWARDS

[myeuspacecompetition.eu](http://myeuspacecompetition.eu)



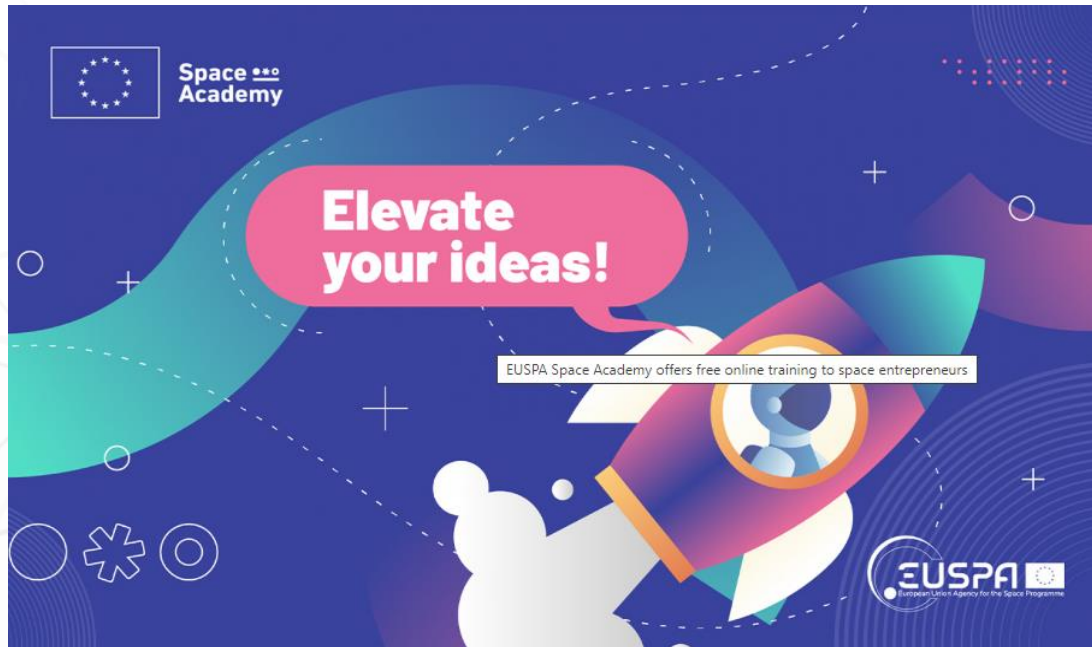
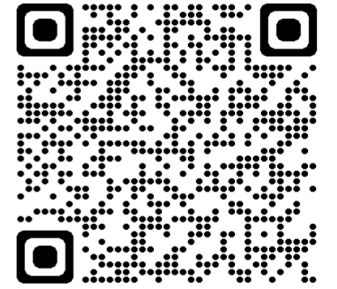
# CASSINI Prize: contribute to free our seas (&lakes &rivers) from plastic ! Deadline 03/05



- Solutions for the **detection, monitoring** and the **removal of microplastics**, plastic litter as well as of larger items in **rivers, shores** and **coastal zones**, in order to support the prevention of ocean pollution
- Use of **Copernicus and/or Galileo data** in combination with other data sources. Use of Artificial intelligence, high performing computing, and **deep tech** in general is also encouraged
- First **3 winners** will receive **EUR 950.000** cash prize each

The CASSINI Prize will open for submissions at the [EC's Funding & Tenders portal](#)

# EUSPA Space Academy offers free online training to entrepreneurs



*Free* online training open to all individuals, start-ups, entrepreneurs and SMEs who want to learn the ins and outs of building a space application business

Training modules, 1-to-1 mentoring sessions, thematic workshops

Topics range from EU Space Programme and its various components to practical business skills such as:

- Customer support and sales
- Building a successful team
- Resource allocation
- Business plans and models
- Access to funding
- Intellectual Property, copyrights and data policy
- And much, much more!

<https://www.euspa.europa.eu/spaceacademy/>



# EU Space for Green Transformation



Available for download [here](#).

The report introduces:

- the Green Deal and its implications for companies
- detailed examples of how various industries, including energy, road transport, aviation, agriculture, forestry and mining, are leveraging the power of EU Space to drive their sustainability journeys.





Linking space to user needs

Get in touch with us

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



The European Union Agency for the Space Programme is hiring!

Apply today and help shape the future of #EUSpace!