

Predstavenie EUSPA, Cassini a príležitostí pre downstream aplikácie

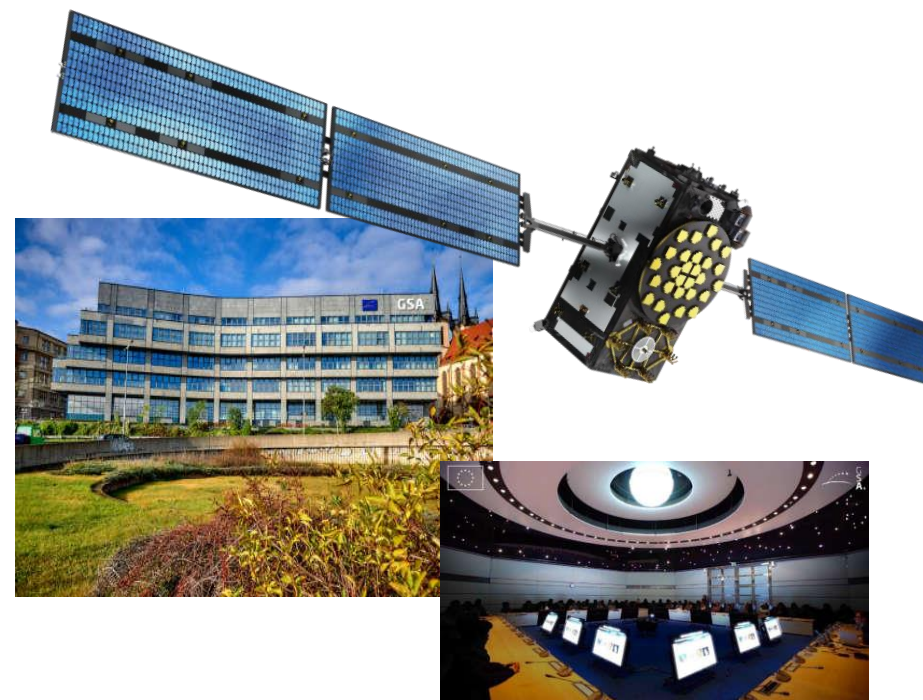
Martin Rusňák, on-site Consultant, Agentúra EÚ pre vesmírny program (EUSPA)

Možnosti financovania vesmírneho výskumu a inovácií v rámci EÚ, online, 6 December 2022



About EUSPA

- Providing European satellite navigation services
- Promoting the commercialization of Galileo, EGNOS, and Copernicus data and services
- Coordinating the EU's forthcoming GOVSATCOM
- Responsible for security accreditation of all the EU Space Programme components



More than 250 people
from 22 nationalities

Headquartered in
Prague, Czech Republic
Offices in France, The Netherlands, Spain

New opportunities for space downstream 2021-2027 - summary



Key Features

Dedicated space support



Horizon Europe – Cluster 4 “Digital, Industry and Space” - applications

Call 2022 : deadline for applications 2 Mar 2023 - GRANTS

[Horizon Europe EUSPA calls](#)



Fundamental Elements (Space Programme)

Development of receivers, chipsets and antennas – GRANTS/ PROCUREMENTS

[Fundamental Elements](#)



EGNSS/Copernicus in other Horizon Europe areas

Mandatory use of EGNSS/Copernicus in more than 100 Horizon Europe calls in 2021/2022 – GRANTS

[list of calls](#)



CASSINI

Seed and growth funding facility, hackathons, prizes, business accelerator, matchmaking for space Start-ups and SMEs – VARIOUS INSTRUMENTS

[cassini.eu](#)

Open to space



EIC Instruments – grants and equity

EIC Pathfinder, EIC Transition and EIC Accelerator - GRANTS AND EQUITY

[EIC WP 2022 & space](#)



Invest EU

**1-7,5mio EUR indirect debt products, via commercial banks, backed by InvestEU guarantees (companies all industry sectors);
7,5 mio EUR – upwards, direct debt products, by EIB (InvestEU R&I and sustainable infrastructure products). Space companies eligible - LOANS**

Horizon Europe EUSPA call of 2022

(HORIZON-EUSPA-2022-SPACE)

Opening: 3 November 2022
Deadline: 2 March 2023

Type of Action	Topic	topic 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 the first deployment of new solutions

More information and application forms on [EC's Funding & Tenders portal](#)

Fundamental Elements:

Calls published and open for submissions

Artificial Intelligence, Machine Learning:

Design, develop, test and validate **Artificial Intelligence/Machine Learning techniques** powered by **professional GNSS receivers (HW)** and their corresponding software (SW), **for improving EGNSS services** in various areas of applications

- Improve accuracy (e.g. AI/ML for ionospheric correction);
- Improve availability (e.g. AI/ML-assisted dead-reckoning for seamless indoor navigation);
- Improve security and robustness (e.g. AI/ML-assisted mitigation of GNSS jamming and spoofing and/or detection of potential GNSS service degradation);
- Enhance the complementarity of Precise Navigation and Timing (PNT) solutions with AI/MLsupported sensor-fusion;
- Enable scalable and cloud-native AI/ML orchestration solutions to leverage AI chipsets and enable sensor/data fusion for automated decision intelligence applications

Available budget: 3,0M€
deadline for submissions: 13/02/2023

More information and application forms [here](#)

CASSINI Space Entrepreneurship Initiative



CASSINI is the Commission's initiative to boost space entrepreneurship, tailored to the needs of Europe's New Space industry

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

PROMOTION
CASSINI Hackathons
& Mentoring

**INNOVATION
COMPETITIONS**
CASSINI Prizes

BUSINESS GROWTH
CASSINI Business Accelerator

MATCHMAKING
CASSINI Matchmaking with Investors
CASSINI Industrial Partnering

INVESTMENT
CASSINI Seed and Growth Funding
Facility (InvestEU)

**Making space businesses
investment-ready**

**Connecting with VC funds and
commercial partners**

**Increasing number of Venture
Capital funds with focus on
space**

Incentivising new ideas

**Developing disruptive
technologies**

cassini.eu

CASSINI Prize for Digital Space Applications

(Cassini Maritime Prize)



Deadline: 3 May 2023



Prize for the best **data-driven marine or maritime digital application**

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, big data processing and management is also encouraged

First **3 winners** will receive **EUR 950.000** cash prize each

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

CASSINI Matchmaking themes 2023-24



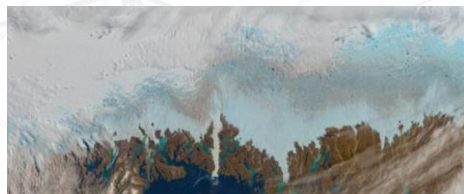
Matchmaking evolving around
four main thematic topics (but not limited to):



Smart Logistics &
Transportation



Smart Cities &
Urban Mobility



Managing and
protecting Earth's
resources from Space



Next-gen spacecraft
manufacturing &
operation

How to apply

Applications open
until 15/01/2023

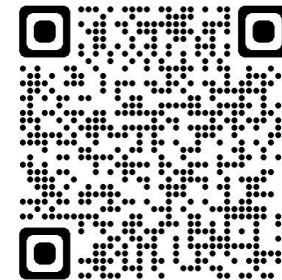
1. Companies, Corporates and Investors can apply through the platform and express their needs <https://cassini.eu/matchmaking>
2. The AI platform will analyze the data and produce **tailored-made matches**
3. You will be able to meet your “match” **in person** in strategic matchmaking events

Upcoming events for Cassini Matchmaking

- New Space Economy Rome, December 2022
- 4YFN Startup event Barcelona, February 2023
- Tech Show, Stockholm, May 2023
- Latitude 59, Tallinn, May 2023
- VivaTech, Paris, June 2023



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 **theoretical idea** with a high market potential 🖱️ Deadline for submissions: **30 November 2022**
- OR a **prototype** ready for commercialisation 🖱️ Deadline for submissions: **10 February 2023**
- OR 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.)



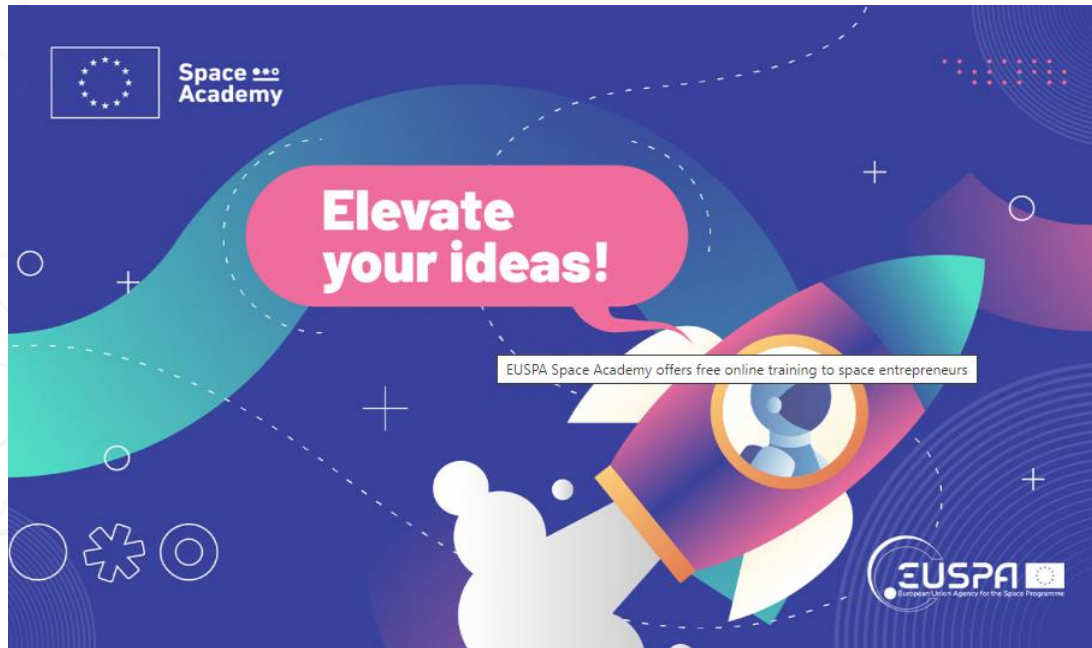
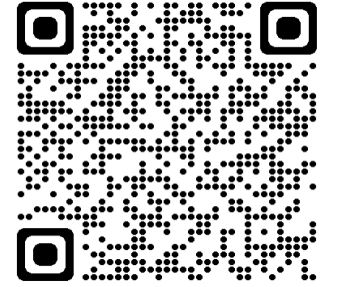
€ 1.000.000
PRIZE POOL



30
AWARDS

myeuspacecompetition.eu

EUSPA Space Academy offers free online training to entrepreneurs



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

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:

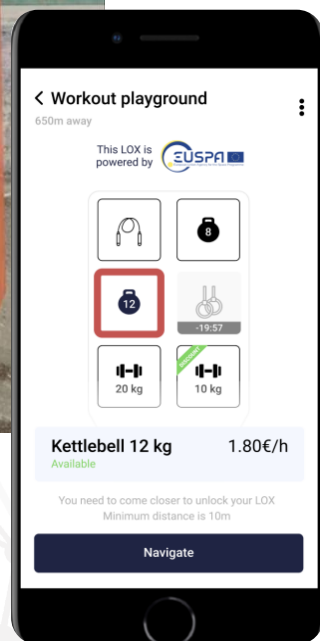
- Customer support and sales
- Building a successful team
- Resource allocation
- Business plans and models
- Access to funding
- Intellectual Property, copyrights and data policy
- And much, much more!

YourLOX: rent a kettlebell or basketball directly on the spot!



Finalist in myEUspace competition!

Smart locker from which users can borrow sport equipment in public spaces



Galileo positioning enables user to locate and navigate to the closest Lox

- ✓ Motivates and empowers people to exercise
- ✓ **Economic**
- ✓ **Sustainable**
- ✓ creates customised training plans
- ✓ try-before-buy test of equipment

Forbes



Foto: Zdroj hlavnej foto: archív YourLOX

– STARTUPY

Lopty a rakety pre všetkých. Smart skrinky zo Slovenska dobývajú svet startupov



Linking space to user needs

Get in touch with us

www.euspa.europa.eu



The European Union Agency for the Space Programme is hiring!

Apply today and help shape the future of #EUSpace!

EUSPA support to start-ups



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

Subscribe to our newsletter at entrepreneurship@euspa.europa.eu for monthly updates on available opportunities for startups