

Webinar - Space for Sport, Culture and Education Infrastructure

Dr Jonathan Crabb (CIC-API)
ESA Space Solutions
jonathan.crabb@esa.int
30/01/2024

The largest space innovation network in the world

- The go-to place for great business involving **space to improve everyday life**.
- Supporting European **start-ups and SMEs** to develop businesses using space technology and data.
- Offering **funding, business and technical support** to help to generate successful business and create jobs.





Zero-equity funding (from €50k to €2M+ per activity)



A personalised ESA consultant



Technical support and commercial guidance



Tailored project management support



Access to our international network of ESA and partners

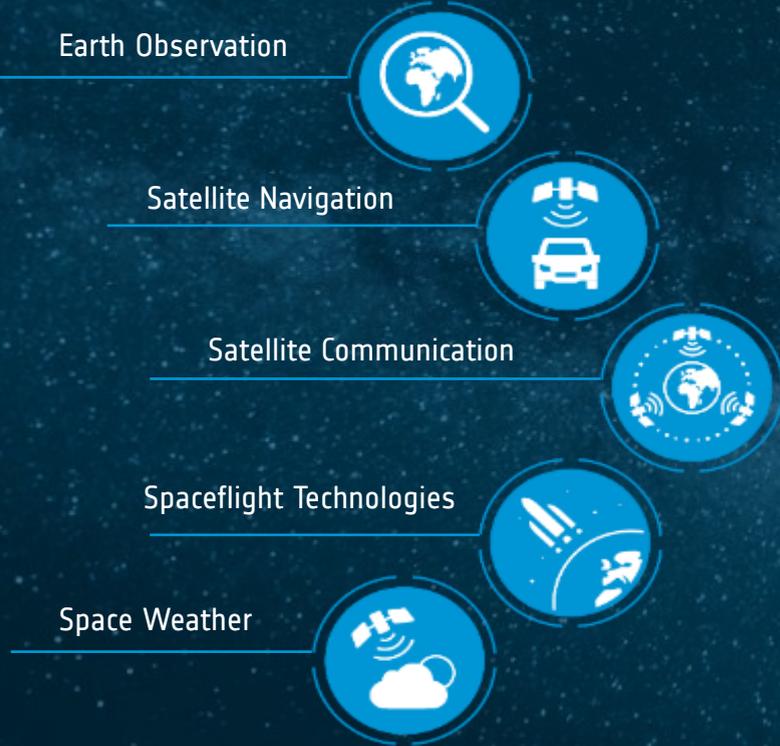


Access to our network of investors



Credibility of the ESA brand

Space Technology



Users & Markets



How ESA Space Solutions Work with you



Idea Creation

Explore idea generation.

Filling out the narrative, exploring ideas.



Concept Design

Defining core functionality.

Understanding the market size and potential revenue



Prototyping

Create Prototype and assess feasibility.

Updating of the business plan.



Product/Service Development

Testing.

Validation with pilot customers.

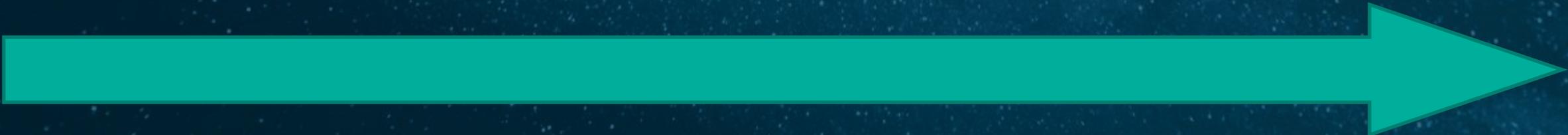
Verifying the viability of the financials.



Commercialisation/ Product Rollout

Feasibility Studies: Up to 50% co-funding*

Demonstration Projects: Up to 50% co-funding*



*Up to 80% for SMEs (depending on specific initiative and approval of national delegation)



Key Objectives:

- **Support the infrastructure sector** by stimulating the emergence of innovative space applications and services with high market potential.
- **Improve efficiency** in the selected domains within the infrastructure sector through allowing lower costs, better capacity management and increased output while reducing environmental footprint.
- Increase the **resilience** of the infrastructure with more accurate resilience models and reducing the impact of disruptive events.

Space for Sport, Culture and Education Infrastructure:

Opening Date: 31st January 2024

Closing Date: 28th March 2024

Accepting both Feasibility Studies and Demonstration Projects.





Satellite Communications (SatCom) enables the provision of ubiquitous connectivity to enhance the communication links, connectivity of IoT devices, support for remote locations. In addition, satellite communications can provide real-time, long-range communications with infrastructure monitoring systems (i.e. UAVs/robots/remote assets).



Global Navigation Satellite Systems (GNSS) can be used to enable geo-referencing of in-situ data, as well as navigation and tracking of vehicles, people and goods; PNT. GNSS-based technologies can be used for time-stamping reference system information, ensuring the traceability of the data.



Satellite Earth Observation (satEO) can be used for the monitoring of the status of the working sites, the planning, construction and maintenance of the infrastructure, collecting information on geographical and environmental parameters for the sustainability analysis, integration of environmental data; identification of patterns and trends that may be linked to infrastructure safety risks, and provide insights into how to best address them.



- Monitoring/Cataloguing of Sport Infrastructure
- Enabling of application to support crowd management/flow on large match days or events. (e.g. Finals day)
- Monitoring the environmental impact of sporting events.

- Preservation of buildings,
- Provision of access to experiences
- Monitoring of events and the movements of crowds during large events i.e. Festivals

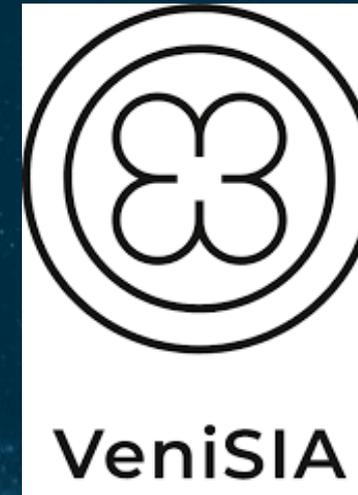
- Remote learning
- Equal access to resources and experiences
- Building monitoring/management
- Engagement into education.

Activities are just not limited to these areas.
ESA welcomes new use cases from industry.

UEFA



VeniSIA accelerator -
Ca'Foscari University of Venice



A follow-up webinar focusing on
UEFA's use case will take place in the
near future

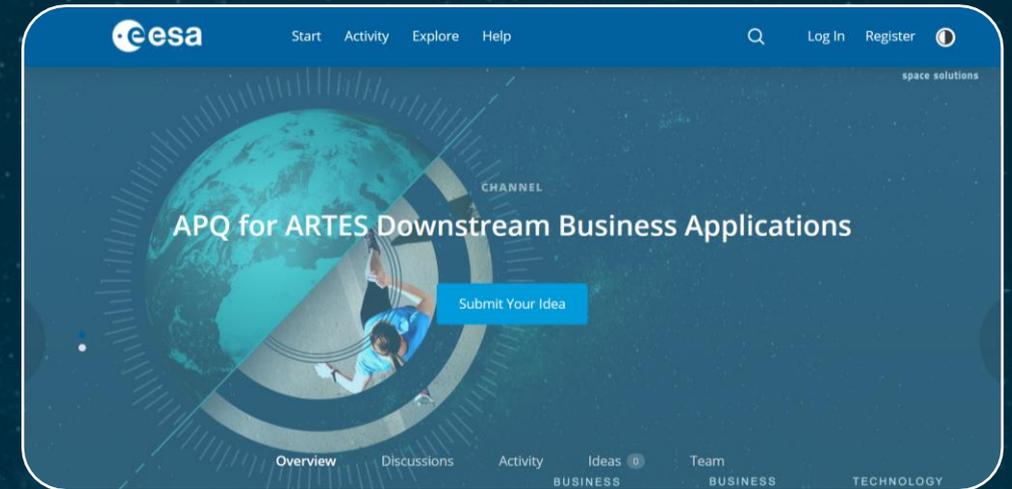
How to Apply

Air, Land and Sea Transport Opening Dates:

31st January – 28th March 2024

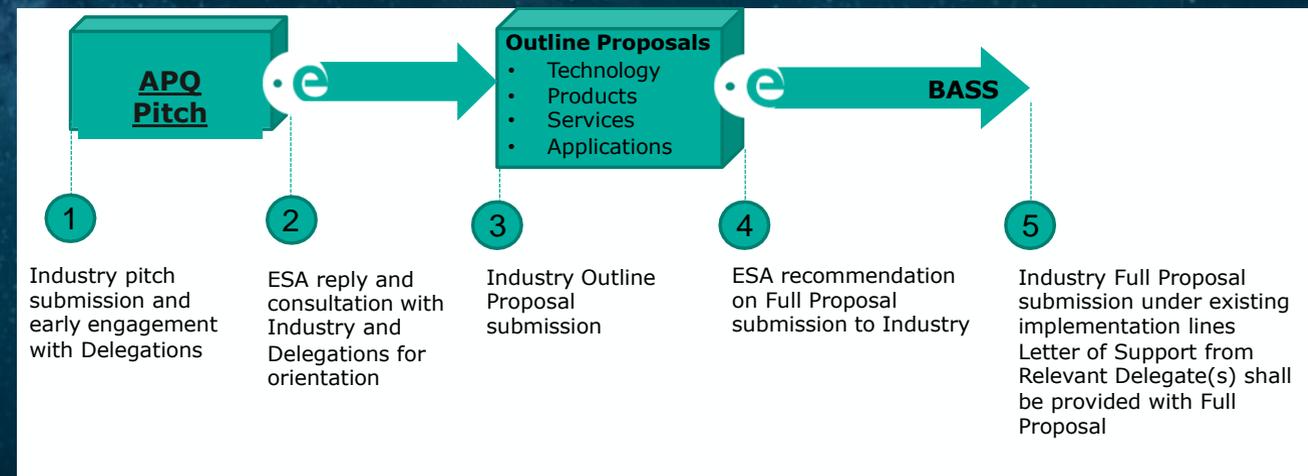
Things you will need to do:

- Submit your **APQ pitch** via **ESA's Open Space innovation platform** in the **"APQ for ARTES Downstream Business Applications"**. Making it clear you are applying as part of the **"Space for Infrastructure Thematic Call"**.
- If successful, you will be asked to submit **an outline proposal** and then (if acceptable) **a final proposal** (and dependent on national delegation support).



<https://ideas.esa.int/>

Please do not wait until the end of the opening period to apply! We will be reviewing proposals regularly throughout the opening period.



Who can participate?

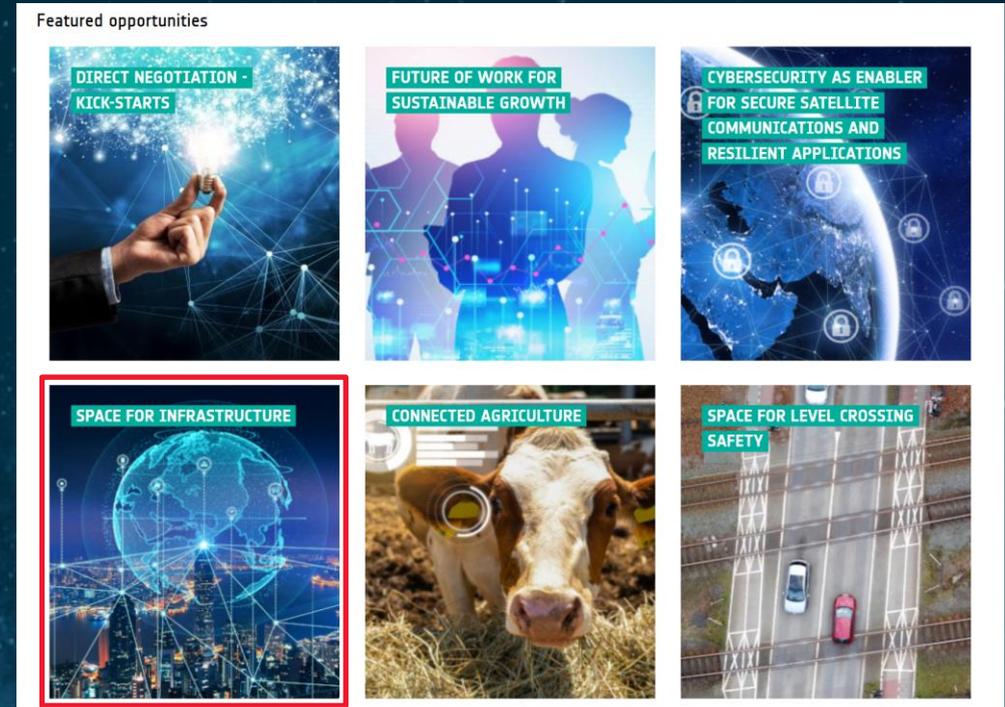
PARTICIPATING MEMBER STATES

 Austria	 Finland	 Italy	 Poland	 United Kingdom
 Belgium	 France	 Lithuania	 Portugal	 Switzerland
 Czech Republic	 Germany	 Luxembourg	 Romania	
 Denmark	 Hungary	 Netherlands	 Slovenia	
 Estonia	 Ireland	 Norway	 Sweden	

Where to find the Details

For more information see: business.esa.int

- Scroll down to the “Featured Opportunities” section to see all activities open or under preparation.
- Open the “Space for Infrastructure” Page
 - This page discusses the overall thematic call.
- Look for sub-theme 3 within the “Space for Infrastructure” webpage – “Sport , Culture & Education”



<https://business.esa.int/funding/call-for-proposals-non-competitive/space-for-infrastructure-sport-culture-and-education>

Sub-themes

This funding call consists of 6 sub-themes, each open at a different point in time. Please see the list of currently open or upcoming funding calls and their further specific details below:

1. Sub-theme 1: Air, Land and Sea Transport Infrastructure (open: 17 July 2023 - 24 November 2023).
2. Sub-theme 2: Energy (open: 30 October 2023 - 26 January 2024)
3. Sub-theme 3: Sport, Culture & Education (open: 31 January - 28 March 2024)
4. Sub-theme 4: Water Management (opening: March 2024)
5. Sub-theme 5: Health (opening: May 2024)
6. Sub-theme 6: Digital Infrastructure (opening: July 2024)

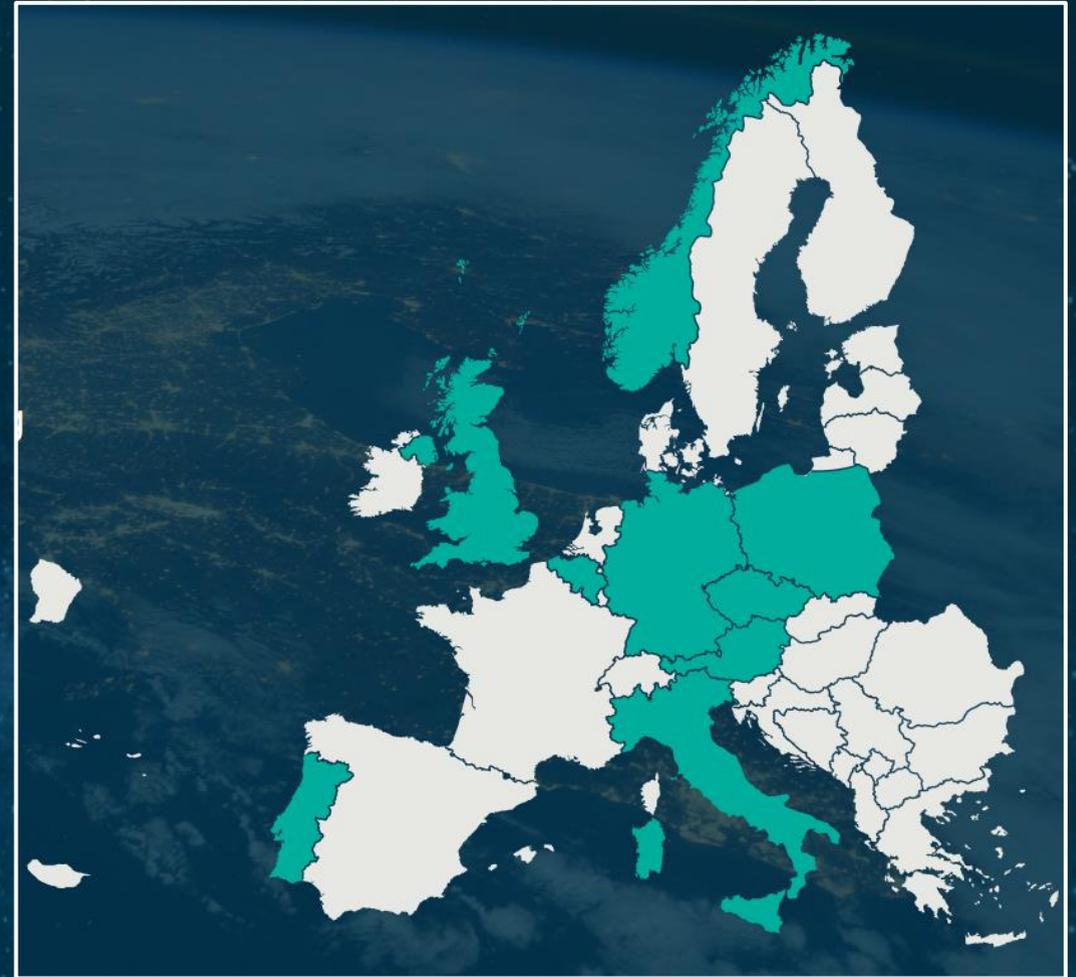
A tool at your disposal – The Ambassador Network

Ambassadors are present in 9 countries

They are your local interface for any questions related to the offering of ESA Space solutions.

They can advise you on:

- Preparation of the Activity Pitch Questionnaire (APQ)
- Give you an overview of ESA Space Solutions funding opportunities.



<https://business.esa.int/ambassador-platforms>

Q&A

For more information visit:

- <https://business.esa.int/>
- <https://business.esa.int/funding/intended-tender/space-for-infrastructure>