

ESA Business Applications & Space Solutions

ESA BASS TEAM

ASI Headquarters

8 May 2025

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→ THE EUROPEAN SPACE AGENCY

Supporting a Space-Powered Economy and Society



Space for Competitiveness and Economic Growth

Development, pilot, growth and scaling of commercial space services and products



Space for positive social and environmental impact

Global challenges and agendas: green economy, SDGs



Space for Safe and Resilient Operations

Address user needs for safe and resilient infrastructures and societies



Partnerships and Collaboration as enablers

Cross-sector partnerships and eco-systems match-making



[ESA Space Solutions animated overview](#)

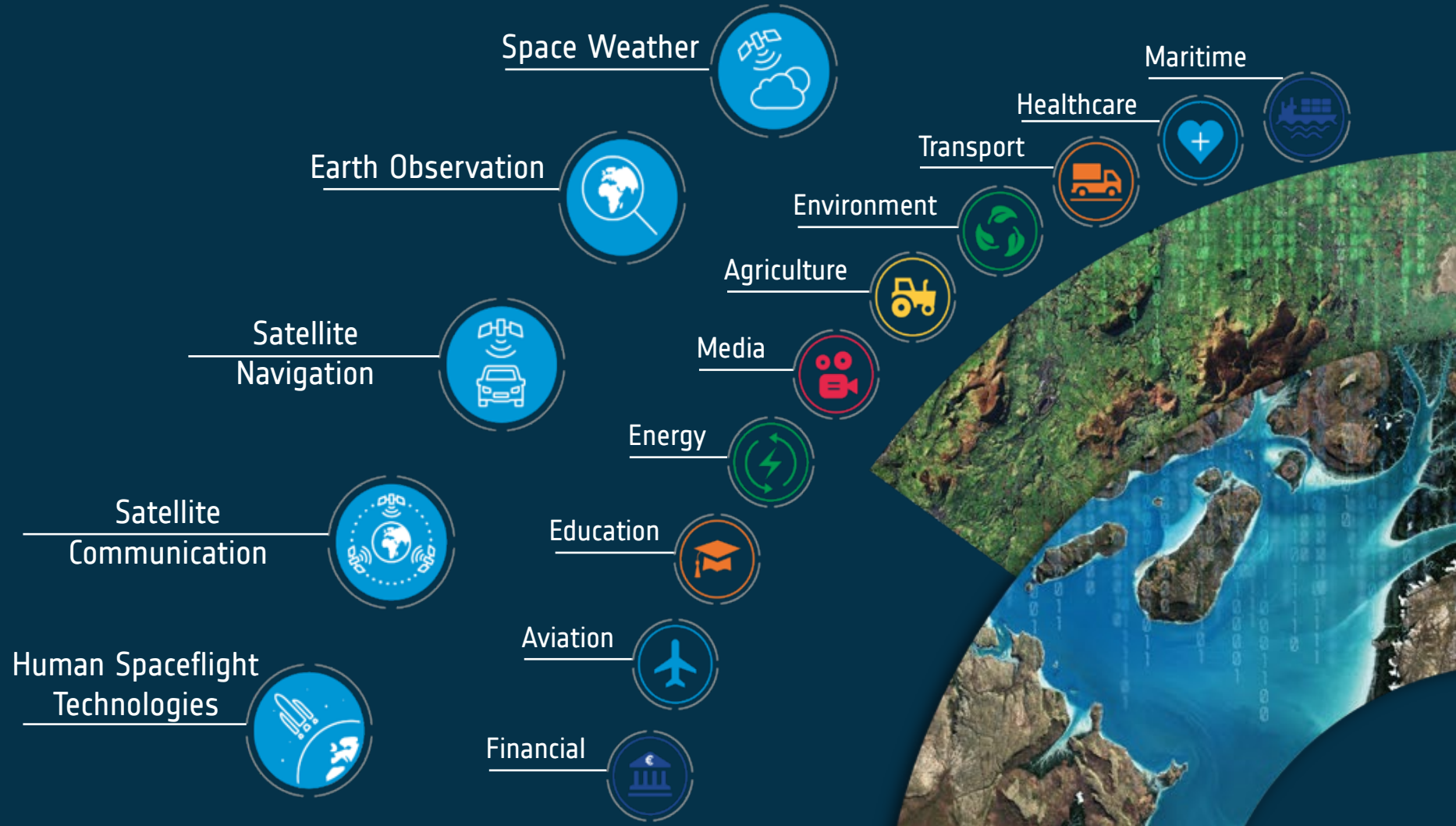
Space-enabled services and applications

BASS aims at reaching
commercial exploitation of space
assets, data and capabilities

Fostering competitiveness
of European Economic Operators
startups, SMEs, research institutes
and established companies

Supporting the definition,
development, pilot and growth of
space services and applications

Addressing the needs of
a wide range of users and markets



1. Business Applications

Provides funding, business and technical support by placing industrial contracts and cooperative agreements with companies for conducting Feasibility Studies and Demonstration Projects

Demonstration Projects

Implemented

- Pilot projects
- Growth projects

754

Feasibility Studies Implemented

- Kick-Start studies
- Proof of concept studies
- Enabling studies

1055



2. The Ambassadors

Inspire, aid and foster new business and venturing opportunities in space-related business applications and services, as well as products based on space capabilities for terrestrial use. Provide high-quality business consultancy to companies

Zero equity funding

Always open for businesses from start up to academia to SMEs and large companies to address needs of any market, worldwide

BASS supports ideation, development and demonstration of commercial sustainable services and products exploiting space technologies

- Activities are proposed by companies responding to thematic call for proposals or permanently open call for proposals
- Support to increase applications and market readiness towards market roll-out and growth to adjacent markets



Co-funding from ESA, IPRs remain with companies




Technical and business guidance from ESA

WHAT ESA OFFERS

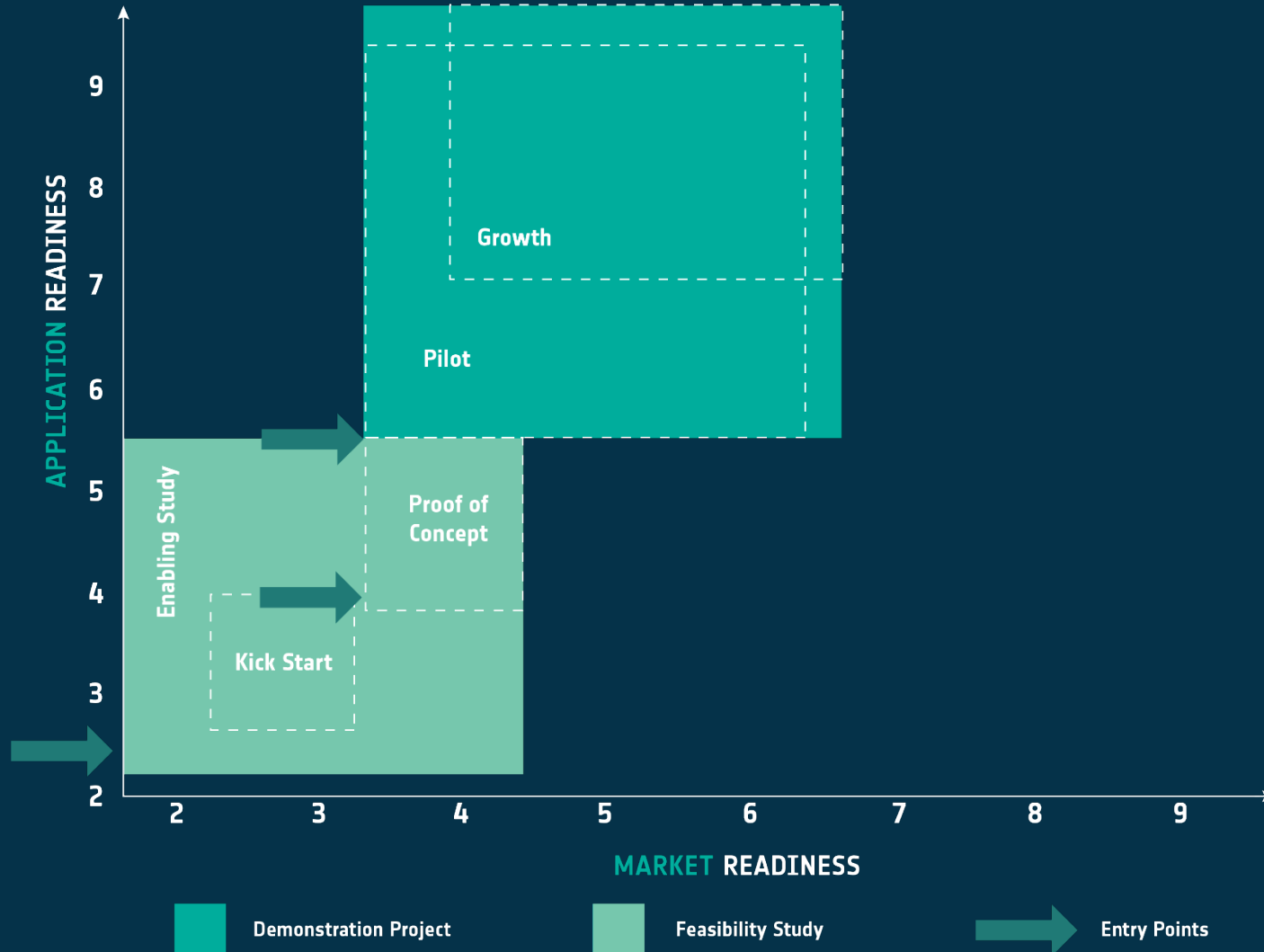


Association with the ESA Brand



Incremental and interactive project process with dedicated team

Business Applications instruments: tailored to companies' needs



Feasibility Studies

- Explore the viability of new service concepts, consolidate the user landscape and requirements
- Evaluate the economic sustainability and technical feasibility of space-based solutions to user needs

Demonstration Projects

- Validate a technical solution and its business model
- Ensure user engagement
- Provide a transition towards operational activity

ENERGY













MARITIME



BIOECONOMY



SMART & GREEN CITIES



ROAD | RAIL | AVIATION



GREEN FINANCE



SPORT



CIRCULAR ECONOMY



Task Forces federating user needs



ENERGY

Launched in September 2022



SMART & GREEN CITIES

Launched in September 2023



MARITIME

Launched in January 2024



Port Working Group

BIOECONOMY

Launched in October 2024



Optimised logistics applications



Digital tracing and monitoring of goods, paperless transactions among stakeholders

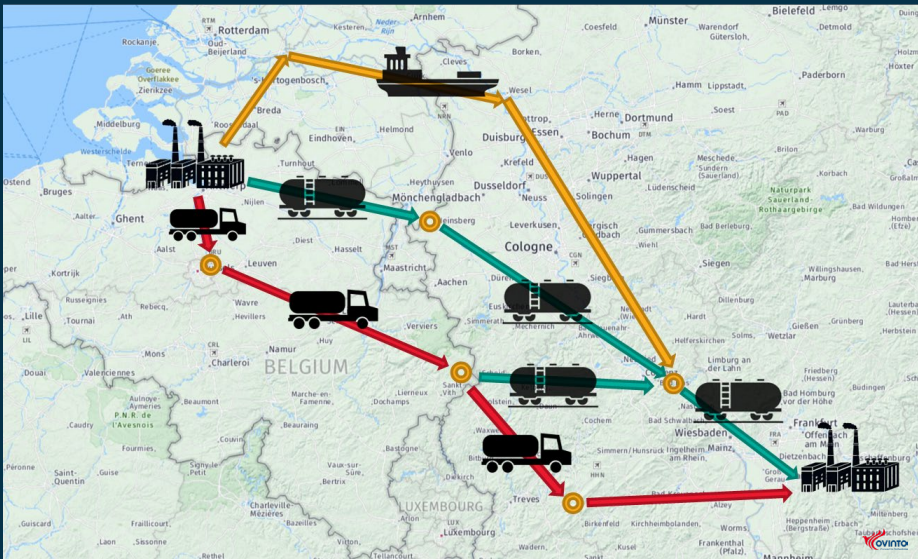


Automated delivery service



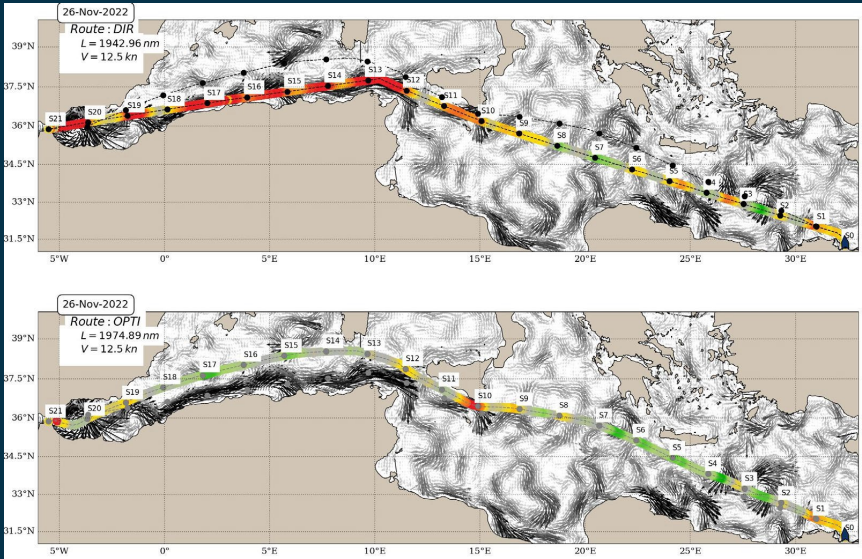
Efficiency Management Service

Sustainability



Ovinto

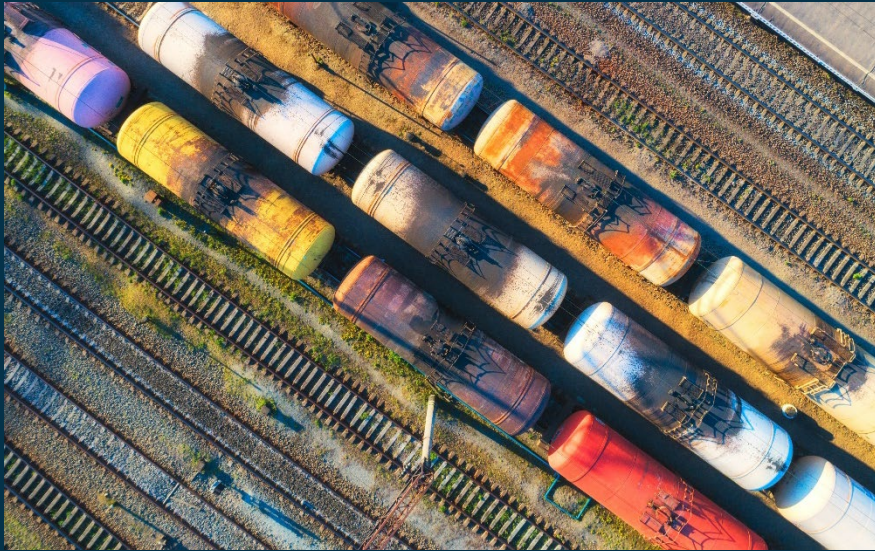
SCOPE 3 emission monitoring



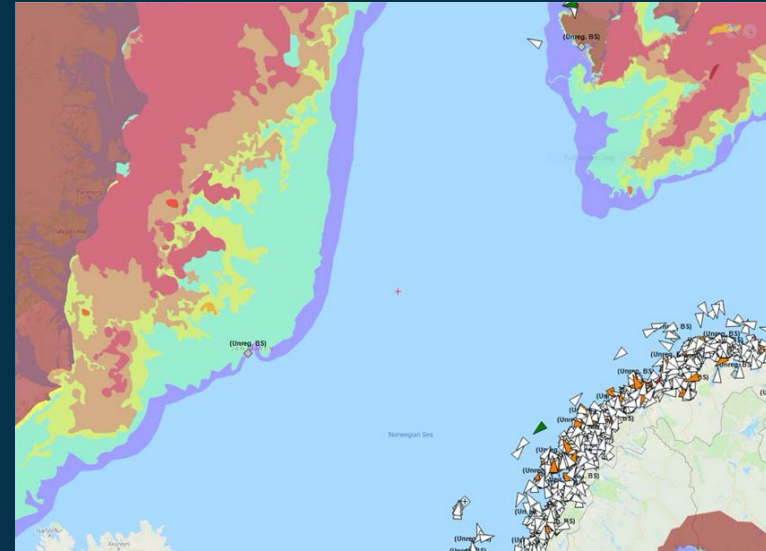
Amphitrite

Short term route optimisation

Safety & Resilience



Dangerous goods



VASP (Space Norway)

Ice charts distribution

Space For Intermodal Transport - Thematic call

The "Space for Intermodal Transport" call aims to support the study and development of space-enabled commercial services. These services will enhance intermodal freight and logistics, as well as intermodal transport for passengers. It is an exciting opportunity to improve the way we move goods and people.

Stakeholders who have expressed interest include the Smart City Task Force, the Maritime Task Force, and others.



Opening on 17 March 2025 Closing on 12 September 2025.

<https://business.esa.int/funding/call-for-proposals-non-competitive/space-for-intermodal-transport>

Key takeaways

- ✓ Applicants to BASS: companies (alone or in a consortia)
 - ✓ Applicants must reside within [ESA BASS member states](#), co-funding scheme applies
 - ✓ Prospective service provider needs to be part of the consortium
 - ✓ Targeted market can be anywhere in the world
 - ✓ Service/product develop shall address a business opportunity
 - ✓ Clear added value of use of space
- ✓ Letter of support from National Delegation needed
- ✓ Profitable business for space-enabled services with *operational involvement of customers during activity*
 - ✓ Letters of interest from potential customers/users needed in the proposal
- ✓ Application starts with [APQ submission](#) (max 8 pages – What/Why/How), incremental and interactive process
 - ✓ [Link on How to apply and funding scheme](#) to the permanently open Call for Proposal AO 1-10494
 - ✓ [Streamlined templates and tools](#)
 - ✓ [ESA BASS Ambassadors](#)



Thank you for your attention

























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

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PARTICIPATING MEMBER STATES (ESA-Star AO 1-10494)

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