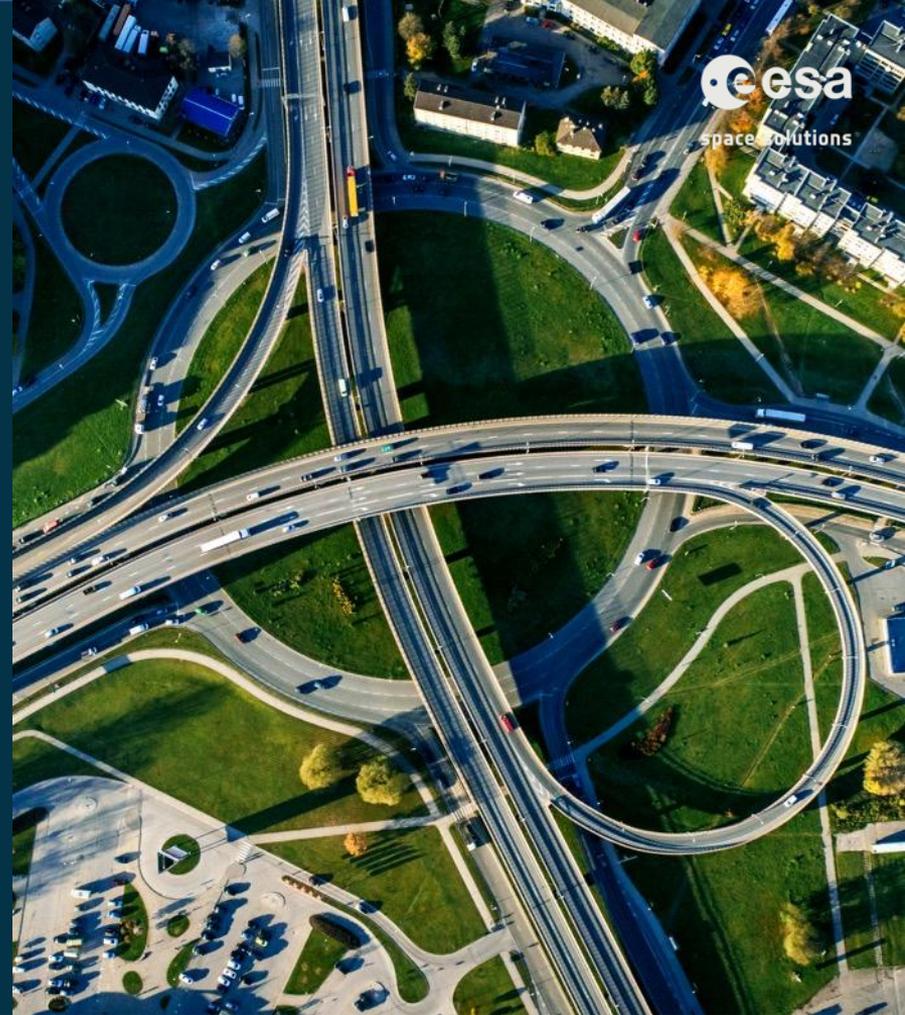


ESA Business Applications and Space Solutions (ACCESS)

Wojciech ADAMIAK, PhD
ESA Business Applications Ambassador Poland

ESA BASS

The BASS (Business Applications and Space Solutions) programme supports **companies** across **all sectors** in developing **innovative** solutions that use **satellite technologies** (EO, SatNav, SatCom) for Earth-based usage.



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European Space Agency

Space tech, users & markets

Space Technology...

-  Earth Observation
-  Satellite Navigation
-  Satellite Communication
-  Spaceflight Technologies
-  Space Weather

... coupled with...

- Big Data analytics
- VR/AR
- Artificial Intelligence
- Mega-constellations
- Crowdsourcing
- IoT
- Cybersecurity
- Blockchain
- 5G (<https://artes.esa.int/esa-5g6g-hub>)

... to serve Users & Market

-  Maritime
-  Agriculture
-  Environment
-  Healthcare
-  Financial
-  Transport
-  Education
-  Media
-  Energy
-  Aviation

BASS' offer (1)

- **Zero-equity funding**
- **Funding rate of 50-100%** depending on the size of the company (SME, large company, industry, academia)
- Funding starts **from 75,000 EUR**, no formal upper limit
- **Supports solutions from TRL 3 upwards:** **Kick-Start, Proof-of-Concept, Pilot**
- **Project duration** from 6 (Kick-Start Activity) do 24 months (Pilot)
- First application stage: **8-page proposal** (Activity Pitch Questionnaire), evaluation outcome (accepted / clarify / not accepted) within **two weeks**
- **Open calls and thematic calls**
- **Continous call** for proposals (no deadlines for Open Call)



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BASS' offer (2)

- **IP** (intellectual property) remains with beneficiary
- Proposals can be submitted by **individual companies** or by **national/international consortia**
- Ambassador's support (**free of charge**) during the first stage of application, followed by ESA's support during the second (Outline Proposal) and third (Full Proposal) stage
- If successful, you may use **ESA branding** and get access to ESA commercial network



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Thematic calls

Why to apply

- **No need to define the problem / market need**
ESA defines the problem for you – you can focus on describing your solution.
- **Lower evaluation risk**
Reduced risk of your idea being assessed by non-domain experts, increasing the chances of being properly understood.
- **Collaboration opportunities**
If successful, opportunity to collaborate with stakeholders who co-defined the thematic call together with ESA.



Thematic calls (previous editions)



Space for Sustainable, Connected and Liveable Cities

Feasibility Study, Demonstration Project
Zamknięcie naboru: 30-09-2025



Space for Intermodal Transport

Feasibility Study
Demonstration Project
Zamknięcie naboru: 12-09-2025



Space for olympic games

Feasibility Study, Demonstration Project
Zamknięcie naboru: 31-12-2025



Space4Rail

Feasibility Study, Demonstration Project
Zamknięcie naboru: 31-12-2025



Maritime Decarbonisation: Green Fuels

Feasibility Study
Demonstration Project
Zamknięcie naboru: 16-05-2025



Integrated Digital Solutions for the Energy Sector

Feasibility Study, Demonstration Project
Zamknięcie naboru: 02-05-2025



Green Hydrogen as a Sustainable Energy Source

Feasibility Study
Zamknięcie naboru: 30-05-2025



Space Supporting Environmental Claims

Kick-Start
Zamknięcie naboru: 06-05-2025



Space for Urban and Peri-Urban Agriculture

Kick-Start
Zamknięcie naboru: 06-05-2025

SPACE FOR SUSTAINABLE, CONNECTED AND LIVEABLE CITIES

Home » Funding » Space For Sustainable, Connected and Liveable Cities



ESA-STAR REFERENCE	1-10494
OPPORTUNITY	Call for Proposals (Non-Competitive)
ACTIVITY	Feasibility Study, Demonstration Project
OPENING DATE	31-03-2025
CLOSING DATE	30-09-2025

Funding Opportunity

This Call for Proposals invites proposals for feasibility studies and demonstration projects for services that leverage space-based services and applications for the smart cities sector. Successful bidders may have the opportunity to work closely with [Space for Smart and Green Cities Task Force](#) members who are supporting this call in the development of the proposed service. Please refer to the 'authorisation of funding' section below to determine whether your team is eligible for this funding.

The Challenge

Cities are facing numerous challenges that arise from rapid population growth, as well as the rapid effects of climate change. Over 140 experts from 65 countries came together in Riga, Latvia from 16 to 19 April 2024, to draft the outline of the Intergovernmental [Panel on Climate Change \(IPCC\)'s Special Report on Climate Change and Cities](#). Several challenges and opportunities were identified for scoping this report. These included urban development, urban emissions, urban carbon cycle, air pollution, digital communication, transport, heat islands and urban overheating.

Topics of relevance

The challenges were identified in conversation with [European Association of Fish Producers Organisations \(EAPO\)](#), [International Seafood Sustainability Foundation \(ISSF\)](#), and [Marine Stewardship Council \(MSC\)](#). The use-cases below reflect the priority topics that this call is trying to address.

- **Illegal, Unregulated and Unreported fishing (IUU):** IUU fishing threatens marine sustainability and costs the global economy billions.
- **Overfishing and stock depletion:** Overfishing harms biodiversity, food security, and livelihoods. Fishing stocks are also affected by changing ocean conditions due to climate change.
- **Habitat destruction and bycatch:** Non-selective fishing practices damage sensitive habitats and result in high bycatch of non-targeted species, including endangered ones.
- **Monitoring of Marine Protected Areas (MPAs):** MPAs are key for ecosystem recovery, but remote locations make monitoring challenging.
- **Product traceability and certification:** Traceability is crucial for sustainable claims and market access.
- **Ghost gear and marine pollution:** Abandoned gear continues to trap marine life and pollute ecosystems.
- **Monitoring of Harmful Algae Blooms (HABs):** HABs cause fish kills, shellfish toxicity, economic losses, and ecosystem damage.
- **Worker safety in fisheries:** Fishing is a high-risk occupation with a high rate of fatalities and injuries due to onboard, environmental, biological and machinery-related hazards.



Opening: 2-02-2026

Closing: 7-04-2026

[Link >>>](#)

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Types of projects

KICK-START

- Scope: technical feasibility, economic viability, market needs
- Expected results
 - (1) System architecture defined
 - (2) Initial business plan
 - (3) Users needs identified
- Duration: 6 months
- Project budget: 100,000 EUR
- ESA funding: 75,000 EUR
- Own funding (cash): 25,000 EUR



Types of projects

Proof-of-Concept (Feasibility study)

- Technical and economic feasibility
- Duration of max. 12 months
- Individual or consortium

Pilot (Demonstration project)

- Development of pre-operational version of the product/service and validation by target users
- Duration of max. 24 months
- Individual or consortium



Funding

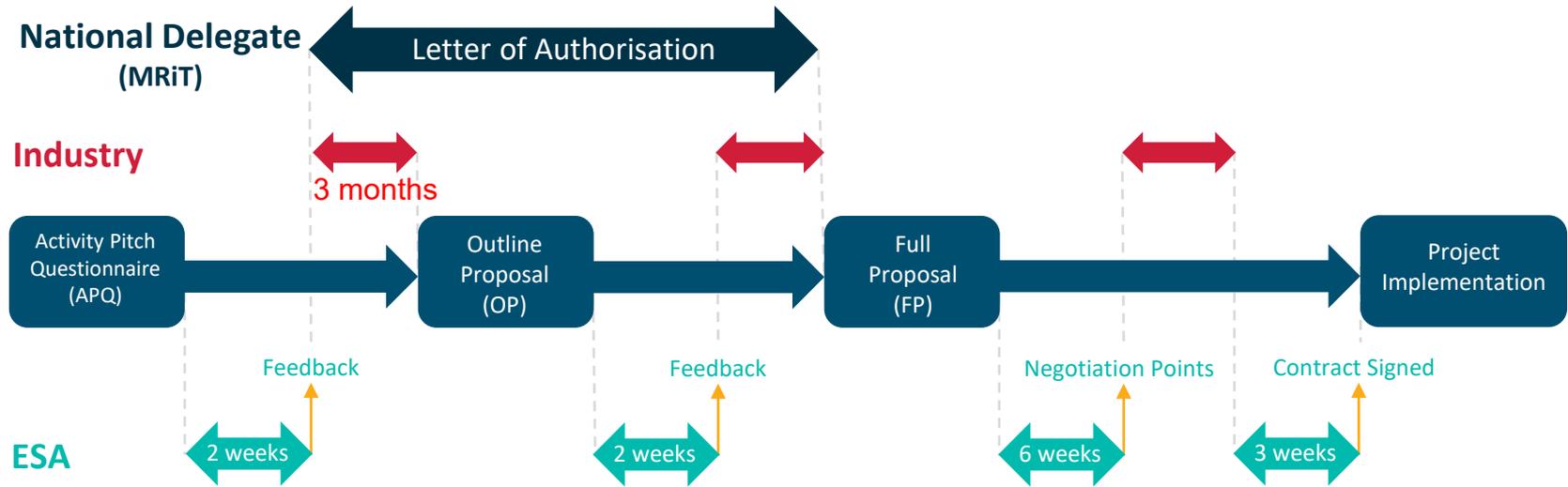
Proof-of-Concept Studies

Pilot Projects

Activity cost	Up to €600,000 (limited to eligible cost)	Case-by-case assessment (limited to eligible cost)
ESA co-funding		
Baseline	Up to 75% of company's cost	Up to 50% of company's cost
Micro, small and medium businesses¹	Up to 80% ² business' cost	Up to 80% ² business' cost
Universities, research institutes and public sector entities with no commercial interest in product/service	Up to a 100% ² of the entity's costs, with ESA co-funding not exceeding 30% of the total activity cost	Up to a 100% ² of entity's costs, with ESA co-funding not exceeding 30% of the total activity cost
Universities, research institutes and public sector entities with a commercial interest in product/service	Up to 75% ² of they entity's costs	Up to 75% ² of they entity's costs



Application / evaluation procedure (PoC/Pilot)



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Ambassadors are present in **8 countries** and are the local interface for **ESA Space Solutions** enquiries.

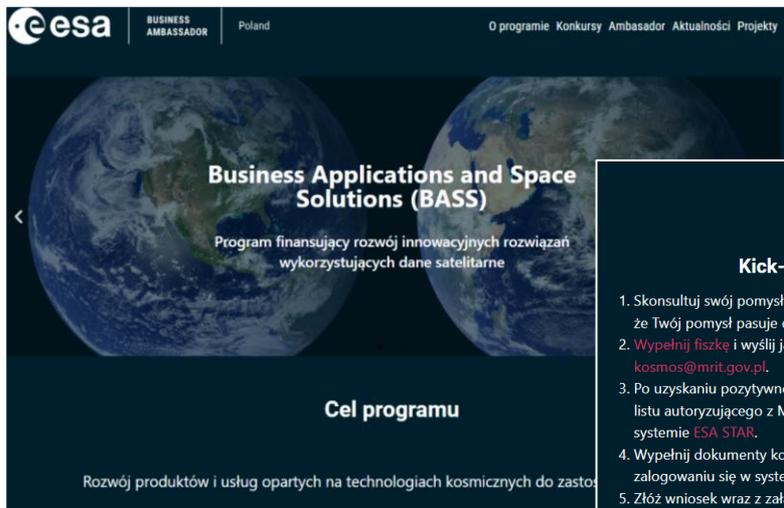
Mission: Identify, recruit, and accompany new players from non-space domains into the European space ecosystem.

They help non-space companies to access space assets and data in order to **boost their commercial activities**.

They advise companies on the preparation of the **APQ** and promote ESA Space Solutions **funding opportunities**.

Read more

www.esaambasador.pl



Jak złożyć wniosek?

Kick-start

1. Skonsultuj swój pomysł z [ambasadorem](#) i upewnij, że Twój pomysł pasuje do konkursu.
2. Wypełnij [fiszkę](#) i wyślij ją na adres kosmos@mrif.gov.pl.
3. Po uzyskaniu pozytywnej oceny fiszki i otrzymaniu listu autoryzującego z MRIT, zarejestruj firmę w systemie [ESA STAR](#).
4. Wypełnij dokumenty konkursowe dostępne po zalogowaniu się w systemie [ESA STAR](#).
5. Złóż wniosek wraz z załącznikami w systemie [esa-star](#). Do wniosku wymagane jest załączenie Listu Autoryzującego z MRIT.

[Dowiedz się więcej](#)

Feasibility Study / Der Project

1. Skonsultuj swój pomysł z [ambasadorem](#) i upewnij, że Twój pomysł pasuje do konkursu.
2. Wypełnij Activity Pitch Questionnaire i wyślij go na adres kosmos@mrif.gov.pl.
3. Zarejestruj firmę w systemie [ESA STAR](#).
4. Złóż wniosek przez stronę [idea-ambasador.pl](#) i kliknij przycisk „Submit Your Idea”.
5. Po otrzymaniu pozytywnej oceny fiszki i wyślij ją na adres kosmos@mrif.gov.pl.
6. Po otrzymaniu pozytywnej oceny fiszki i wyślij ją na adres kosmos@mrif.gov.pl.
7. Od tego momentu ESA będzie przygotowywać Twoją aplikację na kolejnych etapach (Outline Proposal, Full Proposal).

[Dowiedz się więcej](#)

Projekty

Wyszukiwarka ESA

Skorzystaj z wyszukiwarki ESA, aby przeglądać projekty sfinansowane przez BASS. Wyszukaj wybrany rodzaj projektu, obszar tematyczny lub kraj, w którym projekt był lub jest realizowany.

[Wyszukaj projekt](#)

Polskie projekty w BASS

GEOSTORAGE

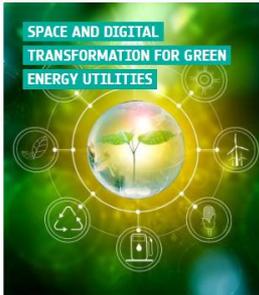
Projekt realizowany przez firmę Astronika we współpracy z naukowcami z Akademii Górniczo-Hutniczej w Krakowie. W projekcie dane satelitarne wykorzystywane są do badań formacji geologicznych takich jak kawerny solne czy wyeksploatowane złoża węgla kamiennego pod kątem ich zastosowania jako podziemne magazyny energii. Przedmiotem zainteresowania jest magazynowanie wodoru produkowanego ze źródeł odnawialnych. Wyniki prac prowadzonych na Ziemi mają być dalej wykorzystane do podobnych przedsięwzięć prowadzonych na powierzchni Księżyca.

[Dowiedz się więcej](#)



Read more

business.esa.int



No need to prepare a full proposal upfront: At the first stage, an **8-page proposal is sufficient.**

No administrative burden at the beginning:

No need to provide proof of cofunding, consortium agreements, etc. at the initial stage.

Fast evaluation: ESA evaluates your proposal within **up to 2 weeks** of submission.

Free of charge support: You can benefit from **proposal consultations with the Ambassador.**



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