

The ESA InCubed programme

03/2023

Albin Lacroix ESA Φ-lab Invest Office

ESA UNCLASSIFIED – Releasable to the Public

→ THE EUROPEAN SPACE AGENCY

 \bullet

+

The ESA Φ-lab – What



Accelerate the future of Earth Observation

via transformational innovation*

strengthening Europe's world-leading competitiveness



■ ▲ → THE EUROPEAN SPACE AGENCY

Enter market

European EO

Φ-lab Investing in Industrial Innovation (InCubed)



- InCubed is more and more seen as a key tool for company innovation, for:
 - Established companies (i.e. LSI and SMEs) to innovate their portfolio with highly competitive product/services
 - For start-ups and New Space companies, to establish their business taking advantage from the strong ESA technical/industrial knowledge and so reducing their business risks
- InCubed key characteristics are :
 - Focus on Innovation on Earth Observation.
 - Focus on business and financial viability of the initiative (e.g. engagement with customers, business assessment)
 - Strong technical assessment and support from whole ESA
 - Partnership approach, ESA is not a customer
 - Strong connection with **private investors**



· __ FI 🛌 ## ## ## ## 🚝 🚝 8 | 8 | 2 = ## 🛶 🙆 8 | **5 = #** 🗰 |

InCubed Domains





Platform



Payload

Space Segment

Activities related to any on-board product/service



Ground Networks & Data Distributions



Ground Stations & Mission Management **Ground Segment**

Activities related to the ground segment of an Earth observation satellite system



Φ-lab Investing in Industrial Innovation (InCubed)

6 0 6 4

@esa





https://incubed.esa.int/

= Q + THE EUROPEAN SPACE AGENCY



NATIONAL DELEGATIONS





Zero-equity co-funding (agreed with your Participating State)



Personalised guidance from world-class technical expertise & commercial support

.



ESA stamp of credibility (e.g. use of the ESA logo,...)



Privileged access to commercial product and services enabling your development Access to ESA EO facilities and Φ-lab community



Membership of the InCubed community with access to networks and dedicated events

· _ II 🛌 :: 🖛 + II 💻 🔚 二 II II _ _ _ II 🚛 🙆 II _ _ II 🗮 🖽 🕷

InCubed Process - How to apply InCubed (esa.int)





CM 22 Outlook InCubed -2

Thematic Calls

- The first call is out →
- More Themes in Preparation (e.g., Green Finance)

Invest Actions

- Expand-In³
 - InCubed Business Coaching → Create and strengthen opportunities and identify promising markets.
 - InCubed Ambassadors → Promote InCubed locally
- Prepare-In³
 - InCubed Business Innovation Factory → Locally select promising companies
- Speed-In³
 - EO Maker Space → Fast Prototyping
 - InCubed Industrial Fellowship → Co-fund PhDs and post-doc





InCubed Activities – Some examples



EO PLUG-IN

Improve potato production yield. A paradigm change for Earth observation integration in the agro-food industry GeoVille

Signaleyes

A clear view on change

SignalEyes analyses spatial changes in objects including buildings, trees, water courses and roads.



HyperScout-2 for the FSSCAT mission. Miniaturized hyperspectral and thermal imaging coupled with Artificial Intelligence for breakthrough operational space missions



MANTIS is a demonstration mission to develop, build, launch and operate an innovative nanosatellite that will fly a high resolution camera

S A T L 🕂 N T I S

Space to Earth-Analytics

OPEN COSMOS



Köszönöm a figyelmet

albin.lacroix@ext.esa.int



To know more, visit our website:

https://incubed.esa.int/

####