



**Phi-Lab**  
NET

Finland

**Operational  
since  
21<sup>st</sup> Jan 2025**

# Purpose of ESA Phi-Lab NET Finland

- Facilitates research teams to engage in groundbreaking space science and technology development that have commercialization potential
- Special focus on geospatial technology and solutions



# Geospatial meaning



Sensor technology



Advanced  
computation of  
geospatial services



Novel digital  
geospatial services

# PARTNERS



Aalto University



ILMATIETEEN LAITOS  
METEOROLOGISKA INSTITUTET  
FINNISH METEOROLOGICAL INSTITUTE



Location  
Innovation  
Hub



NLS  
FINNISH GEOSPATIAL  
RESEARCH INSTITUTE  
FGI



Vaasan yliopisto  
UNIVERSITY OF VAASA



**ESA Phi-Lab Finland is part of ESA Commercialization Gateway activities**



Facilitates research teams to engage in groundbreaking science and technology development that have a potential in high-yield commercialisation

Foster start-up firms that set-up a new and innovative business using space-oriented technology, or data derived from space assets, for products and services in both space and terrestrial markets

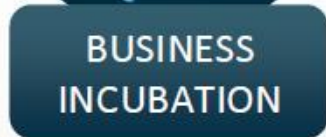
Support technology transfer and appliances between established industry from the space and non-space sector, and within the space sector

ESA Partnership Initiative for Commercialisation: empowers entrepreneurship through fit-for-purpose partnerships, enhancing the commercial cases of supported start-ups



BRIDGING THE GAP  
BETWEEN RESEARCH AND  
COMMERCIAL WORLD

## INNOVATION



**1800+**  
STARTUPS SUPPORTED



400+  
TECHNOLOGY  
TRANSFERS



## CONNECTING TO CURRENT & FUTURE DECISIONMAKERS

## LEGEND

- Large Philab
- Small Philab
- Pilot Philab



**ESA Phi-Lab  
network in Europe  
and its role in  
ScaleUp programs**

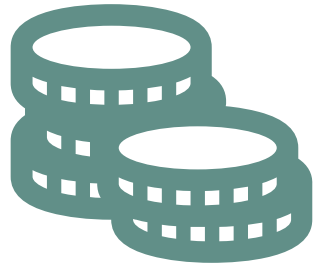


A high-resolution satellite image of the Arctic region of Earth, showing the ice-covered continents of North America, Europe, and Asia. The image is taken from space, showing the curvature of the planet and the thin blue atmosphere. The text is overlaid on the left side of the image.

# **What we do in ESA Phi-Lab Finland**



# ESA Phi-Lab main activities in Finland



r2B innovation funding  
4,4 M€ for projects



Expert and Business Support  
for selected projects

# Partner research facilities are possible to use for research (needs to be agreed, before application)

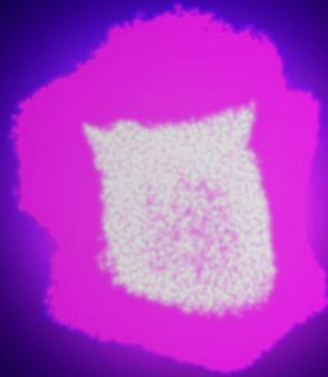
SODANKYLÄ  
ARCTIC SPACE CENTER



METSÄHOVI  
GEODETIC RESEARCH STATION



**Next steps**





## What happens next



Open call  
opening soon

Detailed criteria and  
first call deadline will  
be announced later  
this year











Projects selected  
on set days

Tender Evaluation  
Board will select  
project for funding



Project funding  
for 1-2 years

200k€-500k€ per  
project

		
All Space IP	Electronics & communication technologies	Materials & new production technologies
		
Health / Biotechnology	Industrial production / Robotics	Data processing
		
Security / Safety	Energy / Environment / Transport	

# Other ESA IP and business opportunities

- ESA has a large patent pool, which is available free for businesses in ESA countries
- ESA also has ongoing calls for spinoff and spinin technology transfer

[ESA Commercialisation Gateway](#)  
[ESA - Patents](#)

# Want to know more?

[www.esaphilab.fi](http://www.esaphilab.fi)

<https://www.linkedin.com/company/esa-phi-lab-finland/>

