

→ **WORKING WITH  $\Phi$ -lab**

Help us accelerate the future  
of Earth observation

A large, glowing digital globe is the central focus of the image. It is composed of a complex network of interconnected lines and small, semi-transparent rectangular blocks, giving it a fragmented, data-driven appearance. The globe is set against a dark background filled with vibrant green and blue light trails, bokeh effects, and abstract geometric patterns, creating a sense of high-tech digital space.

# What can Earth observation do for you? Find out about working with us

The  $\Phi$ -lab exists to accelerate the adoption of transformative technologies by European companies and researchers involved in measuring the Earth from space or ground. We are an open, dynamic and fast-moving lab involved in cutting edge activities aimed to strengthen Europe's world-leading competitiveness.

If you work in industry or academia and want to work with, or simply understand more about, Earth observation (EO), there are a number of ways to collaborate with us, either:

- taking part in [R&D Use Cases as a visiting researcher](#) or
- applying for one of [funding scheme](#) hosted by the  $\Phi$ -lab

## Participating in the $\Phi$ -lab's research

You can participate in our research activities focused on various R&D use cases and all based on enabling and transformative technologies, methodologies and techniques for EO. As a visiting researcher, you can propose case study topics, or ask to participate in an upcoming case study.

$\Phi$ -lab case study focus areas include:

- artificial intelligence and machine learning
- quantum computing
- big data management and blockchain
- Internet of Things
- cognitive space

## Research Fellowships

ESA's postdoctoral [Research Fellowship](#) offers scientists and engineers the possibility of two years in the lab to carry out research on case studies of yours and  $\Phi$ -lab interest. Consult [current vacancies](#) for more information.

## Young Graduate Traineeships (YGT)

ESA's [YGT](#) scheme is aimed at Master degree graduates to work with us for one year to gain valuable experience in cutting edge EO activities. Consult here for [current vacancies](#).

## Visiting Fellow (Industrial, Scientific and Research)

We host representatives from industry, or academia who can propose to work with us on their own innovative case study, getting access to ESA EO huge competence, our computing resources, and facilities. They usually stay with us from 4 weeks for a full immersion up to 2 years for a more strategic partnership. [Contact us](#) for more information.

## Visiting Professor

Visiting Professors help  $\Phi$ -lab in setting our research agenda identifying the most scientific valuable problems and methodologies. We count now in 10 among the most representative professional researchers in Europe and we are always open to broaden this team. If you are interested in becoming a  $\Phi$ -lab Visiting Professor [contact us](#).

## Funding for research and commercialisation projects

### Propose a research project up to 150K Euros

[Submit a proposal](#) through the Science for Society Open Call, permanently open. The scope of the call covers all activities under EO Science for Society including Science Exploitation, Public Sector Applications, Industry Growth, Platform Services and EO for Sustainable Development.

### Commercialisation projects

[Investing in Industrial Innovation \(InCubed\)](#) is a co-funded (ESA, Industry and Member States) programme aimed at supporting and scaling the European commercial EO sector. The focus is on propelling sustainable and innovative systems to maximize commercial viability. We co-fund space assets, downstream applications or innovative business cases. Send your proposal [here](#).

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