

# EO ClimLab

EO ClimLab (**Earth Observation Climate Laboratory**) is a project organised by the **ESA (European Space Agency)** for central Europe. The ESA aspires to foster the next generation of EO data-driven digital start-ups in Europe. In order to initiate the development of a European network of such start-ups, the project would provide **innovative EO-based information services addressing climate resilience**.




Three countries are participating in EO ClimLab: **Poland**, the **Czech Republic** and **Romania**. Partners from all of these countries can be divided into two parts: the first providing integration of local data into DAP (Data Analytics Platform), and the second comprising the animation part, which organises KIEs (Knowledge and Innovation Events). The two main partners operate in the Czech Republic: Space Systems Czech is responsible for the technical aspects and CzechInvest, via ESA BIC (Business Incubation Centre) Prague, is the local animator.



The role of **ESA BIC Prague** is to organise and support international KIEs (e.g. **FabSpace**, **Space Week**, **Act In Space**, etc.) and **local KIEs**, so-called **EOVations**, which could be described as EO innovation-oriented competitions. The objective of these events is to encourage developers, users and businesspeople to work together on multidisciplinary, societal and business challenges focused on climate change.

ESA BIC Prague has already organised EOVation Agriculture, a data festival focused on working with EO data and its use to combat the impact of climate change in agriculture. This successful event will be followed by EOVation Masters, a three-month competition involving the use of EO data in climate change issues. The last EOVation event, aimed at the potential of smart cities in conjunction with climate resilience and utilising of EO data, will be arranged by ESA BIC Prague.

## Basic elements of EO ClimLab will be available to everyone and include the following:

-  **DAP** for processing and integrating EO data services, such as algorithms, software and applications supporting mitigation of climate change across multidisciplinary societal and business themes
-  An educational layer including **EO ClimLab Academy** providing online and physical training and technical support, e.g. video tutorials and documentation on how to use the platform and various tools
-  A community animation layer which covers **EOVation Events** like hackathons, conferences, special presentations and educational events for children, students and experts bringing together developers and users of EO products on specific themes



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EO ClimLab



EO ClimLab Czech Republic