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The Copernicus Young Ambassador Day: a replicable example for new technologies uptake by SMEs and Local Regional Authorities

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Two projects, the same vision: improve **the education in the EO/GI** domain both at academic and technical levels in order to increase the use of new generation satellite data and sustain **the innovation process** from academia to business.

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eo4geo
Empowering space data users

@EO4GEOtalks

Help bridging the **skill gaps** between supply and demand of education and training in the EO/GI sector.

EO4GEO Objectives

EO/GI BODY OF KNOWLEDGE

EO4GEO will develop a commonly agreed Body of Knowledge (BoK) describing an **ontology for the space/geospatial domain** that can be permanently updated by making use of a set of collaborative tools

EO/GI CURRICULA

A series of curricula carefully designed, discussed and agreed upon within the community, linked to a series of **occupational profiles** in the sector making use of the BoK and other competency frameworks

EO/GI COURSES

A portfolio of VET training modules based on **existing training materials or newly developed ones** and a case-based learning method that is applicable for different scenarios and in any sub-sector of the space/geospatial domain

TRAINING ACTIONS

A series of training actions for different case-based learning scenarios in the sub-sectors '**integrated applications**', '**smart cities**' and '**climate change**' including group work and internships making use of collaborative methods and tools

INFO ON OUR WEBSITE

www.eo4geo.eu

Consortium

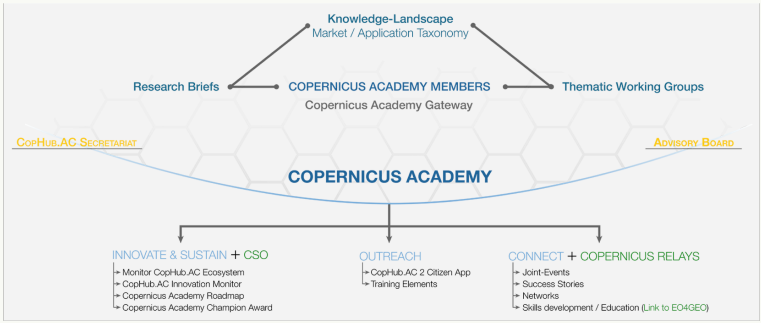
CopHub.AC

The vision of the Horizon 2020 project **CopHub.AC** is to establish a **long-term Copernicus hub** to consolidate and sustain the Copernicus Academy as **knowledge** and **innovation platform**.

To fulfill this several nodes will be created – like a new form of **research briefs, knowledge landscape, outreach** and **sustainability**.

It will focus and link ongoing **R&D activities** in Copernicus-relevant academic fields and sustain the **innovation process** from academia to business on a **high scientific** and **technical level**.

We have a clear commitment to a **full thematic** and **geographic coverage** for a Europe-wide boost in demand-driven uptake of **space technology** and **geospatial information.**



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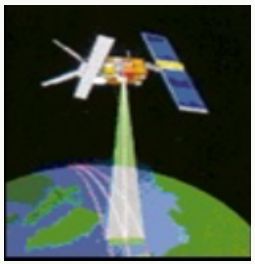
Innovation process within local regional authorities (LRA) and SME goes throught the use of new advanced technologies/data which should take place of traditional and well-established approaches.

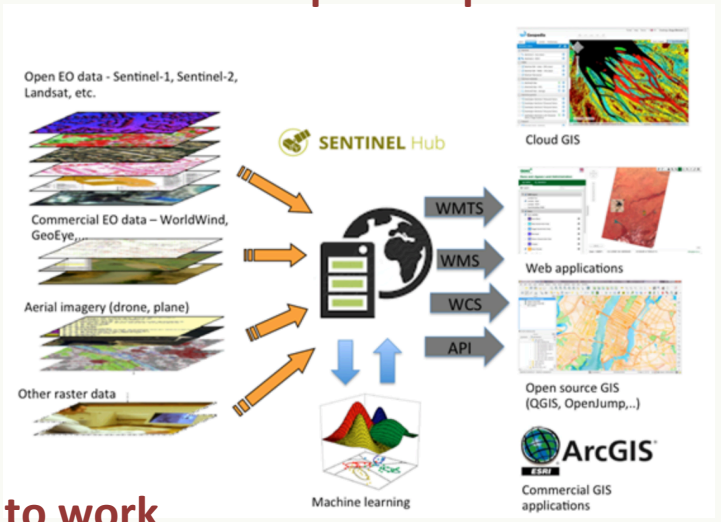
This meets 2 problem:

- **lack of skills** of people who start working or already work in the LRA and SME's.
- **absence** of ad-hoc **training action** (short but effective and well finalized to certain applications) to be implement in the workplace.

Improved satellite data



Improved products



New way to work

The University of Basilicata (Copernicus Academy), is starting to experiment new training actions with two main object:

- Create improved skills for future generation to be employed in the EO/GI sector
- Offer to LRA and SMEs instruments to access, understand, manage and actively use Copernicus data

The Copernicus Young Ambassador Day experiment:

- A short course on EO/GI is offered to SMEs and LRA representatives

- They are then invited to identify possible applications related to their specific field of interest (i.e, user needs)

- These user needs are offered to the students of the UNIBAS Remote Sensing course in order to propose their own possible technological solutions based on EO/GI technologies

Such solutions were presented in a public session to the representatives of LRA, SMEs and, for a feasibility evaluation, to the UNIBAS researchers.

The **experiment outcome**:

- SME and LRA personnel received a basic education enabling them to better understand the potential of available and incoming EO technologies
- Some examples of satellite data solutions for different user needs were presented
- Students had the occasion to proof their acquired skill facing real problems.