

CopHub.AC

Supporting the Copernicus Academy

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KLAIPEDA
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CopHub.AC

- maintain and strengthen the Copernicus Academy network
- boost R&D&I activities in Copernicus-related fields
- sustain the innovation process from academia to business
- increase demand-driven uptake of space technology



www.cophub-ac.eu

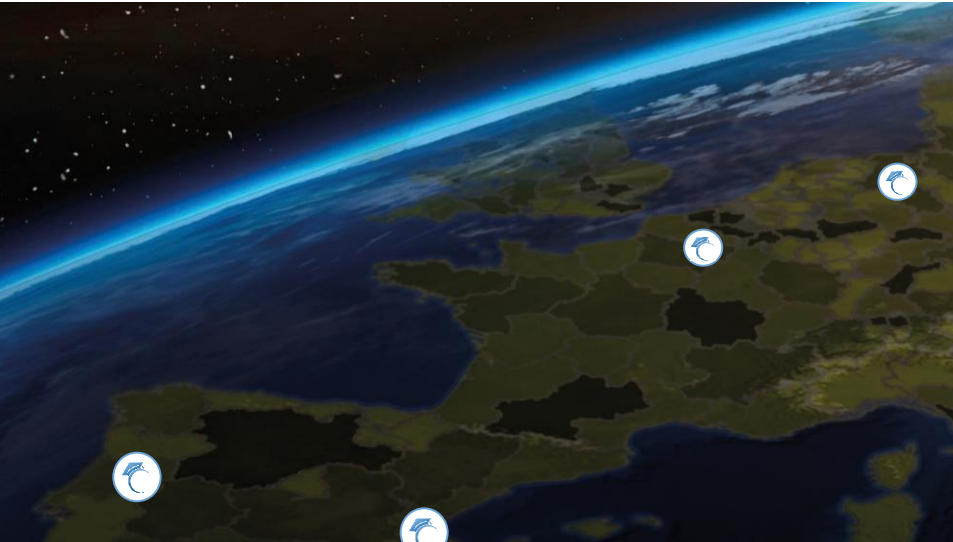
CopHub.AC



Design and development of long-term Copernicus Knowledge and Innovation Hubs

Copernicus Knowledge & Innovation Hubs

Regional hubs



Meet local & regional needs

Virtual hubs



Technical backbone

Copernicus Knowledge & Innovation Hubs

Regional hubs



Meet local & regional needs

- ✓ effectively reach out to stakeholders
- ✓ facilitate networking & exchange
- ✓ provide location-specific training
- ✓ in different form and with different focus

Centers of Excellence

Joint Copernicus Academy &
Relay Hubs

Education & Outreach Hubs

Copernicus Knowledge & Innovation Hubs

Virtual hubs



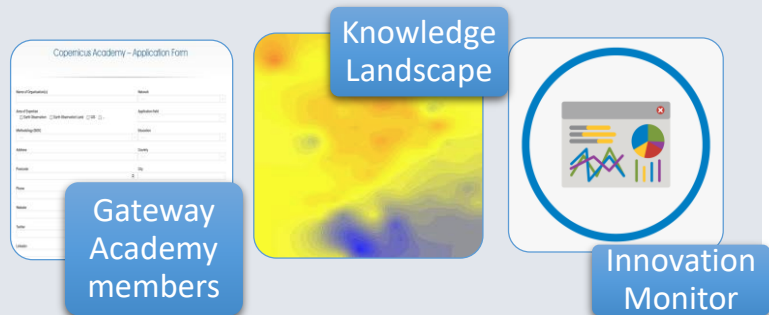
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Technical backbone

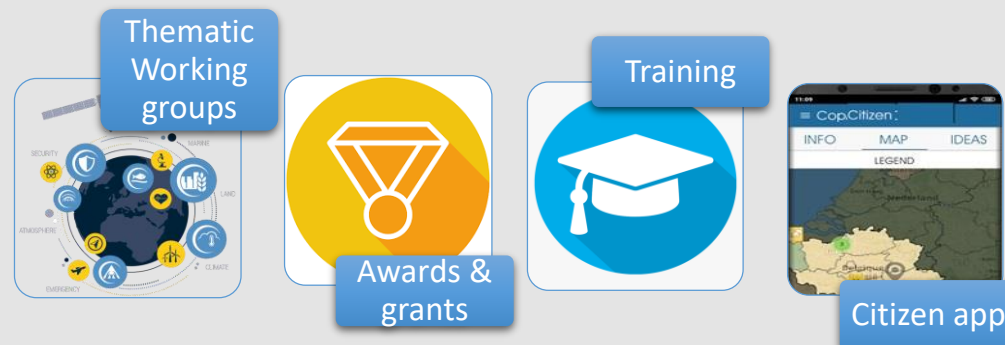
- ✓ facilitate easy harvesting of member's expertise
- ✓ enable cooperation within the network & with potential external partners
- ✓ open up to the public
- ✓ facilitate virtual training & events

Elements of Virtual Copernicus Hubs

Visualisation & retrieval of expertise



Active involvement in the network



Elements of Virtual Copernicus Hubs

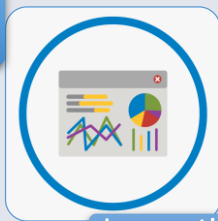
Visualisation & retrieval of expertise



Gateway
Academy
members



Knowledge
Landscape

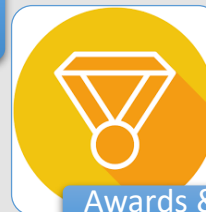


Innovation
Monitor

Active involvement in the network



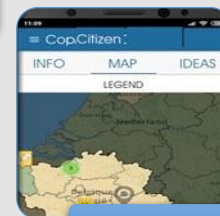
Thematic
Working
groups



Awards &
grants



Training



Citizen app

Copernicus Academy members



Gateway

- ✓ details about educational offers
- ✓ self-assessment of expertise in Copernicus service and used methodology
- ✓ structured info about application fields through EARSC user taxonomy
- ✓ benefits of the Copernicus Academy network for members



CopHub.AC – Copernicus Academy member's survey



PART I:
focus on
Expertise

PART II:
identification
of Innovation
Capacities

Visit: <http://www.cophub-ac.eu/application/>

Explore: <http://www.cophub-ac.eu/survey/>



Innovation Monitor

This project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No. 821952



Copernicus
Europe's eyes on Earth

CopHub.AC Innovation Monitor



- ✓ map the innovation capacities from academia to business
- ✓ overall innovation index
- ✓ based on indicators in 4 domains



- ✓ highlights the innovation strengths of each member

Visit and explore: www.cophub-ac.eu/innovation-monitor/

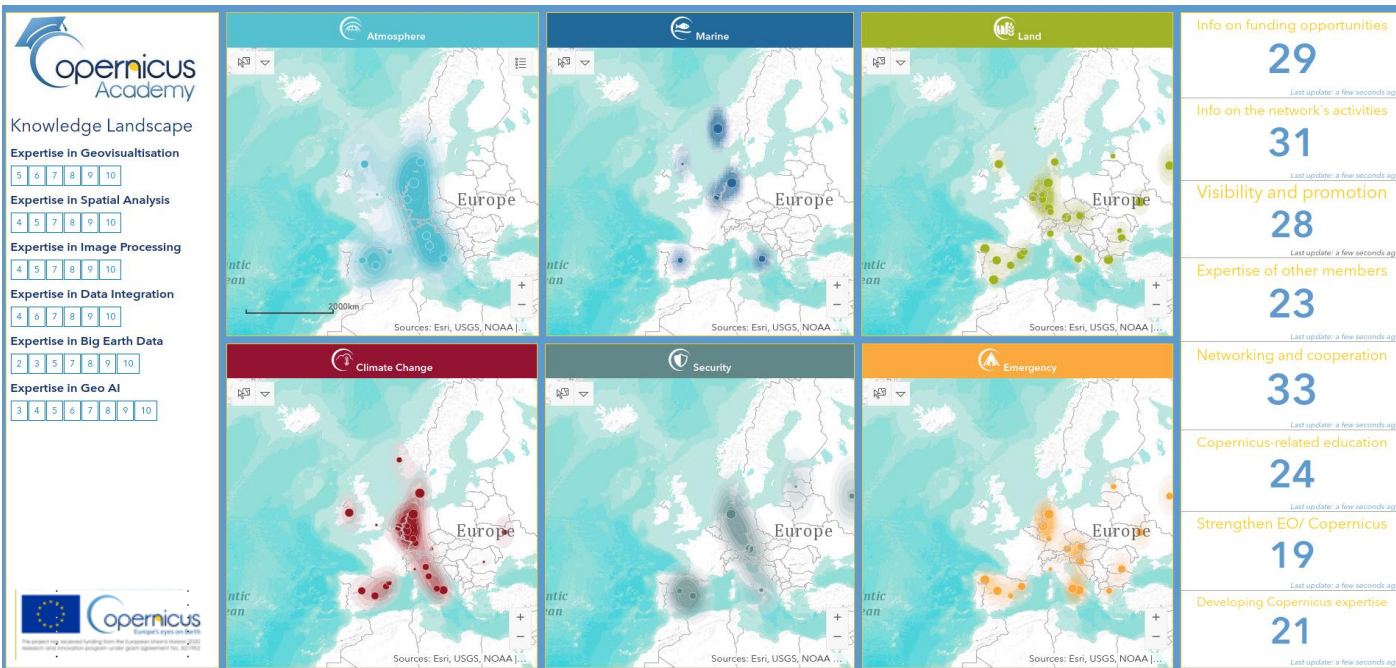


Knowledge Landscape

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Copernicus
Europe's eyes on Earth



- ✓ map the expertise and skills present in the network
- ✓ geographic hotspots
- ✓ analytical tool to visualise and search for competences in combination with methodological expertise
- ✓ facilitate the development of synergies

Visit and explore: www.cophub-ac.eu/knowledge-landscape/

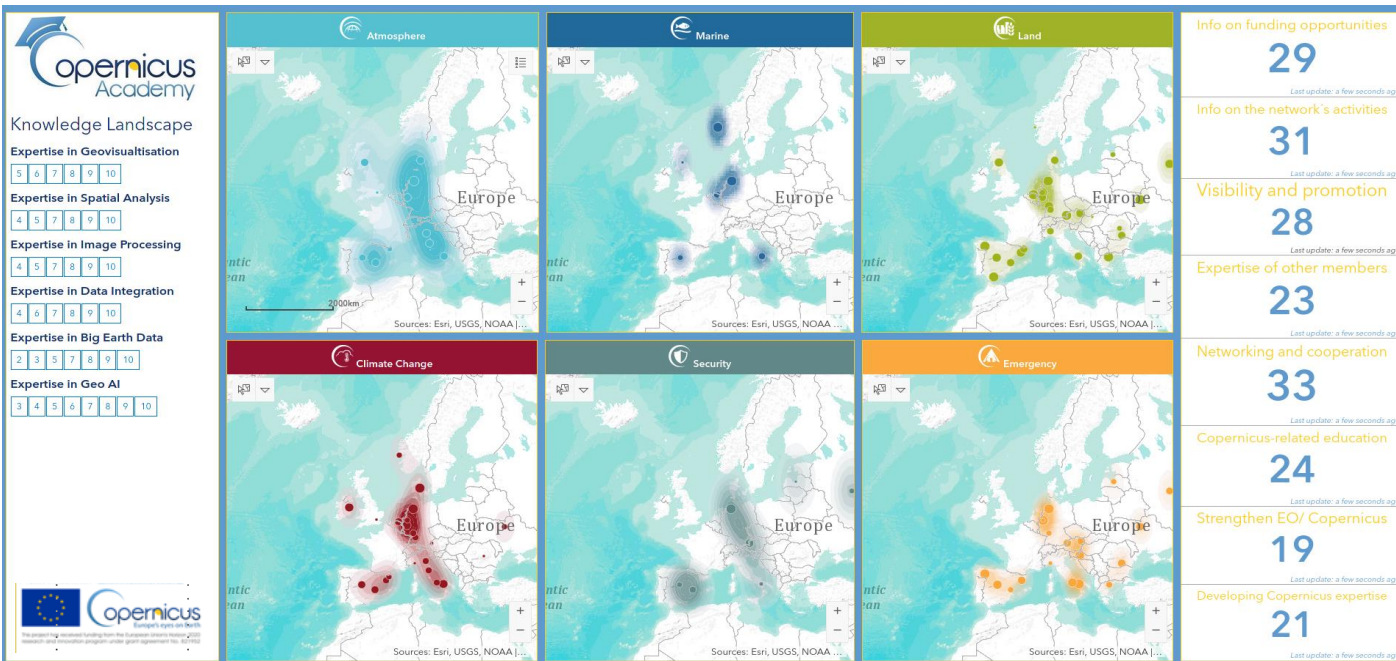


Knowledge Landscape

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More results:
Virtual Booth
CopHub.AC



Visit and explore: www.cophub-ac.eu/knowledge-landscape/

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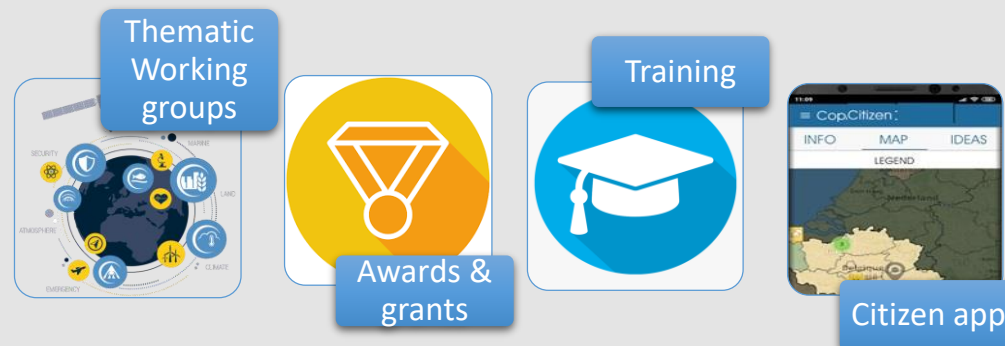


Elements of Virtual Copernicus Hubs

Visualisation & retrieval of expertise



Active involvement in the network



Thematic Working Groups



Atmosphere



Marine



Land



Climate Change



Security



Emergency

Specific objectives are to:

- Support beneficiaries (e.g. Entrusted Entities, business, end users) with scientific advice in the thematic area (see below)
- Launch project ideas and initiatives to be further developed in the frame of Copernicus Academy (e.g. new working groups and project proposals)
- Test and validate an innovative exchange mechanism to improve Copernicus User Uptake to be operationalised in the future

What are the outcomes of the work?

- Develop an overview of the state-of-the-art in the thematic area
- Inform the Academy network about current developments
- Test and validate the Copernicus Academy request mechanism.

Why should you participate? What can you expect?

- Be part of a new, innovative Copernicus User Uptake mechanism
- Shape new ways of communicating scientific findings to beneficiaries
- Promote research and innovation across academia and beyond.

How can you participate?

- Participate in regular teleconferences
- Meet at the General Assembly and other events
- Contribute, collaborate and exchange with colleagues from the Copernicus Academy Network and beyond

SIGN UP for a the Copernicus Working Groups

- ✓ capitalize on the excellence of the Academy members
- ✓ identifying priority themes for new research and main target groups
- ✓ regular exchange between TWG members

54 experts from 27 Copernicus Academy members registered

Get involved:

<http://www.cophub-ac.eu/twg/>



Citizen App

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- ✓ access to Copernicus information layers
- ✓ interactive involvement of user
- ✓ feedback from local experts of the thematic working groups

Try it out:
www.cophub-ac.eu/citizen/



Awards & Grants

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Copernicus
Europe's eyes on Earth



Partnership award Academy-Industry

- ✓ honor outstanding collaboration of public-private (academy-company) sector for the Copernicus user-uptake



2019 winner

Orbital EO Solutions, SeaPulse, Valencia University (IPL) & Go Hub for a satellite-based monitoring system for oil spills & plastic pollution

Get involved:

<http://www.cophub-ac.eu/awards-and-grants/>



Training

Training & Outreach

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- ✓ Skills development, life-long training & education
- ✓ Workshop for different stakeholders, e.g. industry, public authorities
- ✓ information events for the public



Stay informed:
www.cophub-ac.eu/trainings/

CopHub.AC



Sustainability of ideas

Suggestions - Visualization & retrieval of expertise



Gateway

Discussed with and
partly approved by
CSO and EC

implementation of a **extended
Copernicus Academy** application form



Knowledge Landscape

operational **implementation of visualization**
approaches to foster **cooperation** of all
involved stakeholders



Innovation Monitor

regular update of information through an
annual survey



Suggestions - Networking



Thematic Working Groups

continuation of this focused **exchange of experts**
support of the Entrusted Entities as **scientific point-of-contact** to the Copernicus community



Awards & Grants

broad recognition of outstanding **public-private collaboration** as examples of user uptake
create **synergies** with **Copernicus Relays**



Training

establishment of a **Copernicus Academy label for training** for quality assurance
in line with **EO4Geo Skills alliance**

Policy Recommendations



Provision of mechanisms to **enhance communication** between all actors to **foster EO uptake** and create more **collaboration opportunities**

Ensuring a **common understanding** through knowledge exchange and user-oriented taxonomy

Bringing products and services closer to the needs of the market sector and strengthening the **collaboration** between the **Copernicus Academy and Relays**

Policy Recommendations



Implementation of long-term Copernicus Knowledge and Innovation Hubs

Thank you!

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UNIVERSITY
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Z_GIS



evenflow



EARSC

European Association
of Remote Sensing
Scientists



spatial services
WHERE GEOINFORMATION MEETS TECHNOLOGY

KU LEUVEN



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rasdaman
raster data manager

Cyprus
University of
Technology

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