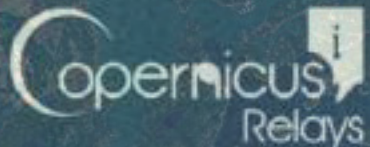


CopHub.AC

Stefan Lang & Barbara Riedler
University of Salzburg, Z_GIS

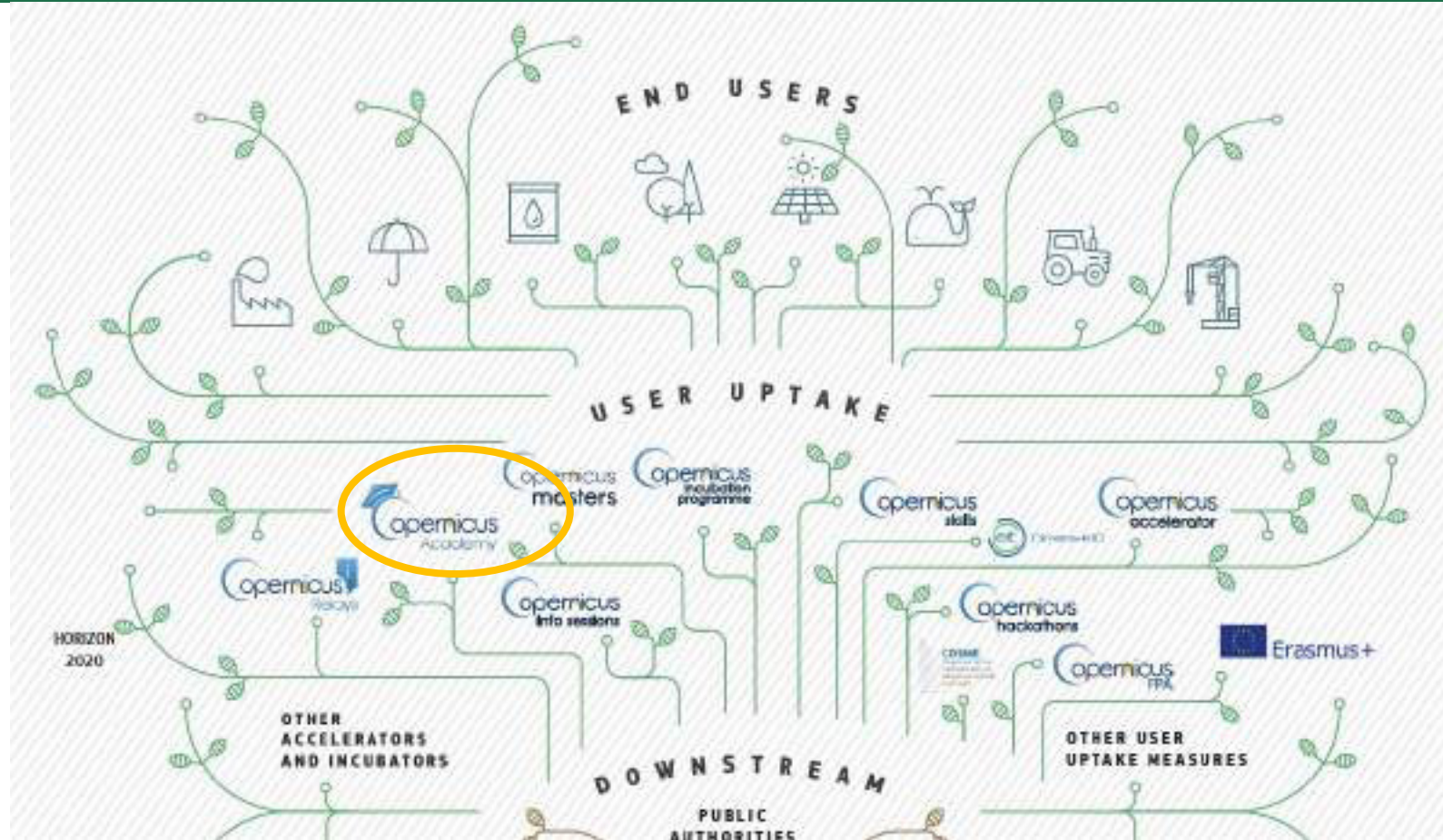


COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER 2019

EUSW2019, HELSINKI

COPERNICUS ECOSYSTEM



COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER 2019

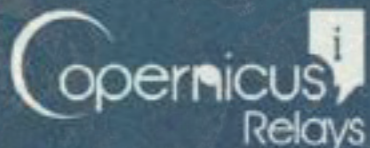
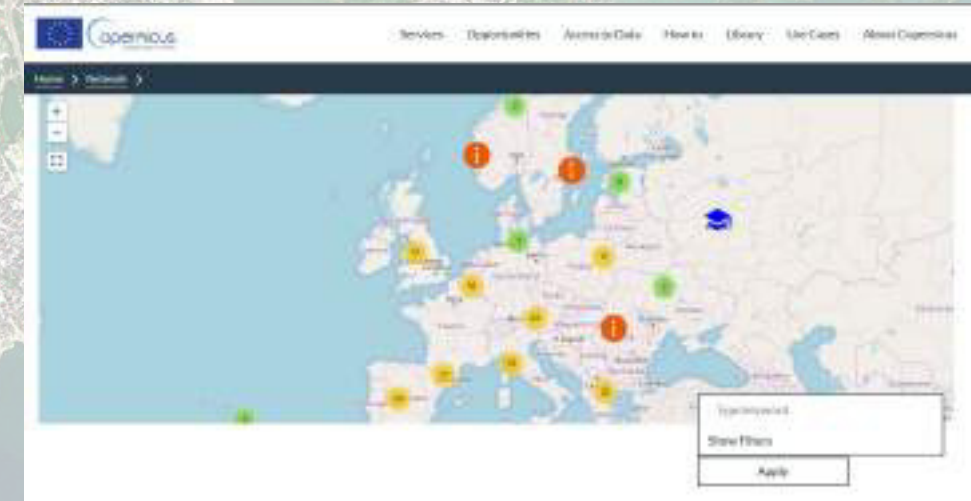
EUSW2019, HELSINKI



COPERNICUS ACADEMY



- a network connecting universities, research institutions, business schools
- link research & academia with authorities & service providers
- facilitate cooperation in research, education and training
- provide skills and boost to use Copernicus data and information services
- 150+ members

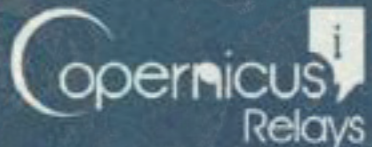


COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER 2019

EUSW2019, HELSINKI

What do you expect from a Copernicus Academy membership?
What can the Academy offer as a 'service' for you / your sector?



COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER **2019**

EUSW2019, HELSINKI



Climate-KIC

EARSC

European Association
of Remote Sensing
Scientists



spatial services

WHERE GEOINFORMATION MEETS TECHNOLOGY



GISIG



UNIVERSIDAD
DE MÁLAGA



rasdaman
raster data manager



Cyprus
University of
Technology



KLAIPĖDA
UNIVERSITY



COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER 2019

EUSW2019, HELSINKI

Copernicus Academy Hub for Knowledge, Innovation and Outreach



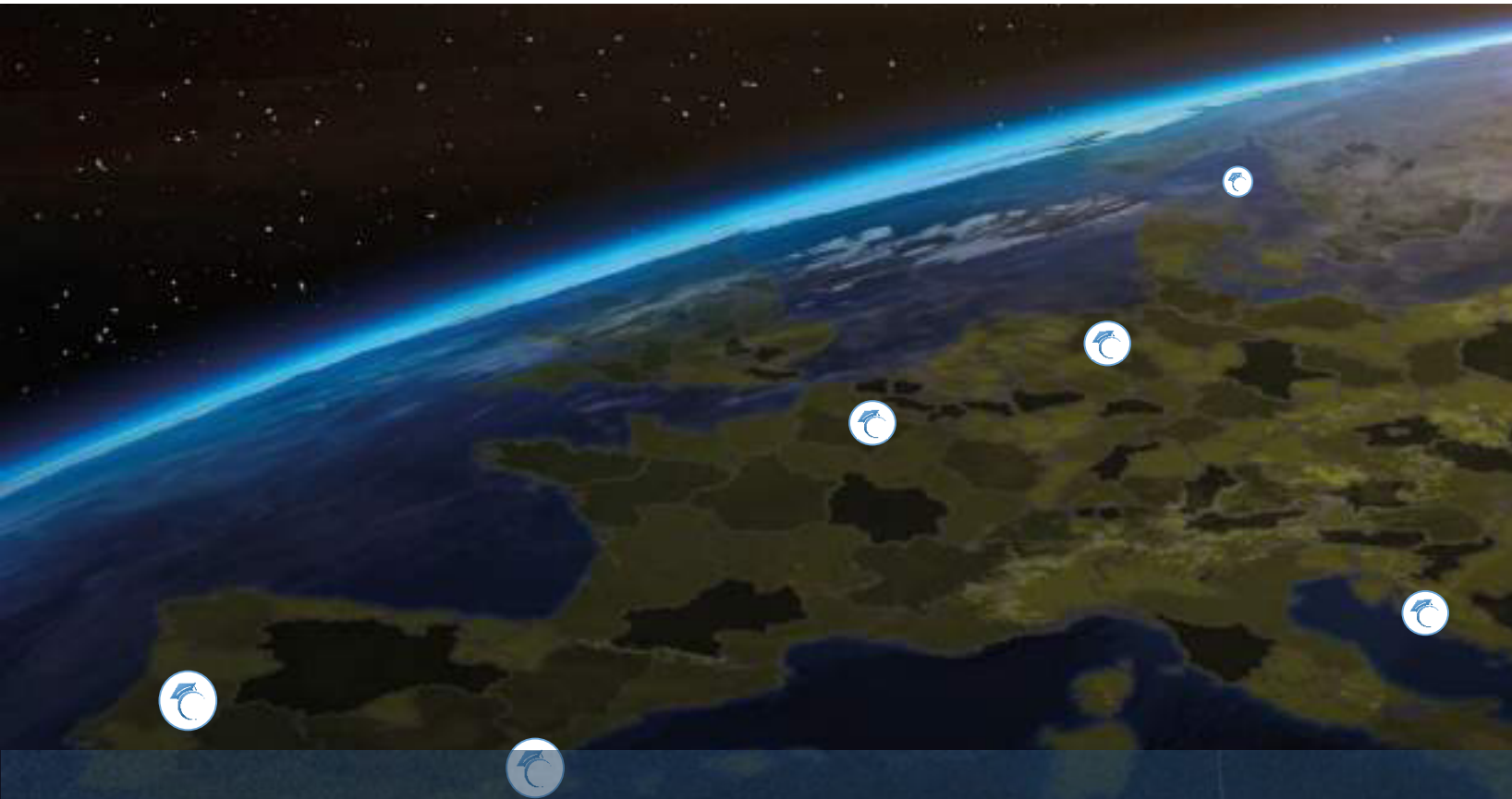
- boost the Copernicus Academy and support the CSO and DG GROW
- strengthen R&D&I activities in Copernicus-relevant academic fields
- sustain the innovation process from academia to business
- increase demand-driven uptake of space technology of various stakeholders
- design knowledge and innovation hubs

COPERNICUS INNOVATION HUBS

Regional center of excellence

for training, networking & exchange

- ✓ effectively reach out to local stakeholders
- ✓ utilize the Copernicus Academy and Relays as facilitators
- ✓ making use of Copernicus data, services and events

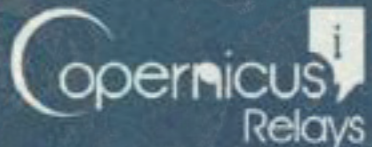


COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER 2019

EUSW2019, HELSINKI

What suggestions do YOU have to strengthen the coherence and sustainability of the Academy network?

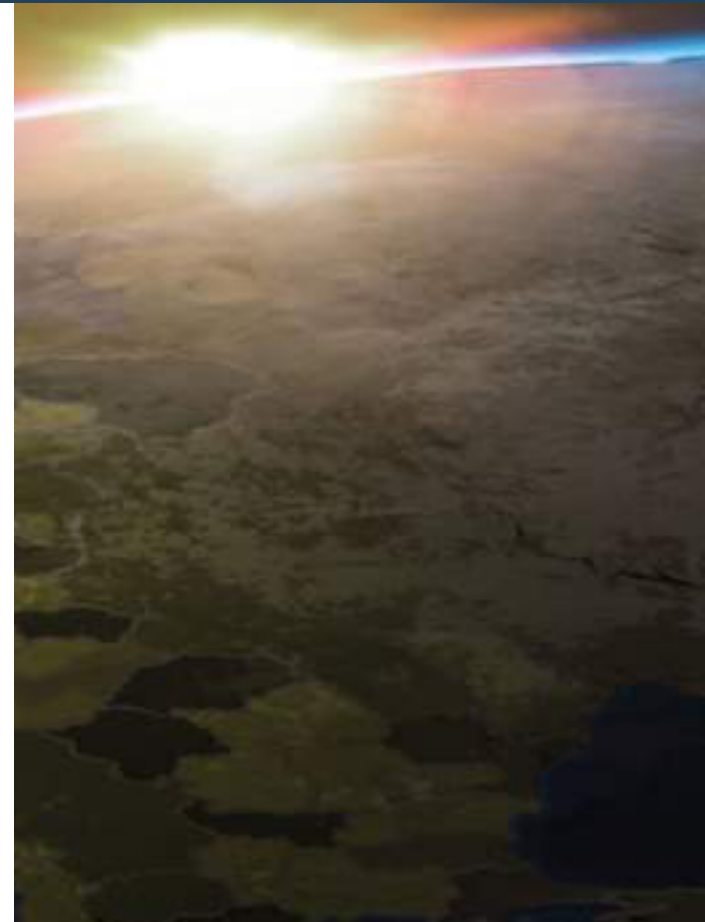


COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER **2019**

EUSW2019, HELSINKI

COPERNICUS INNOVATION HUBS



COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER **2019**

EUSW2019, HELSINKI

INTERACT & INORM: networking & outreach



COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER 2019

EUSW2019, HELSINKI

INTERACT: connecting to Industry & Authorities

- connect with industry through joint workshops with Copernicus Relays



Possibilities and challenges using Copernicus data and services in Norwegian marine industry, research, and management

- yearly awards
Partnership award Academy-Industry
for 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

INFORM: outreach to Academy & Citizen

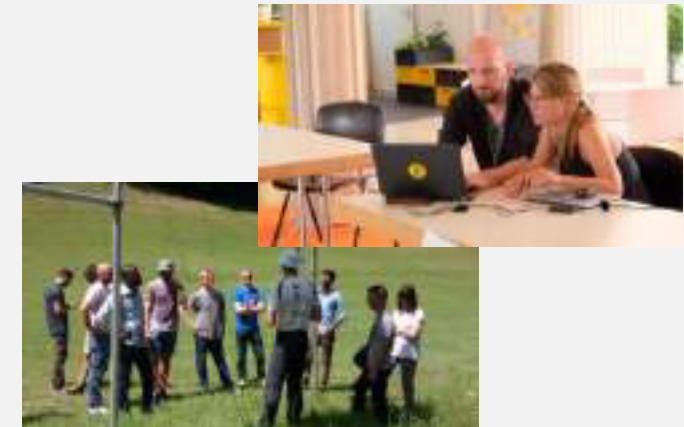
- information events for citizens



27 September in 300 locations



- skills development & education



COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER 2019

EUSW2019, HELSINKI

INFORM & INTERACT: networking & outreach

- ✓ get information about outreach events
- ✓ participate in skills development programs
- ✓ apply for awards

Check out:

www.cophub-ac.eu

<https://twitter.com/CopHubAC>



A promotional banner for the Copernicus Master in Digital Earth program. The banner features a blue background with a network of white dots and lines representing digital earth data. On the left, the logo for 'COPERNICUS MASTER IN DIGITAL EARTH' is displayed. To the right, a group of five diverse students is shown smiling. Text on the banner includes 'Erasmus Mundus Joint Master Degree Programme', 'Apply for European MSc', 'ERASMUS+ SCHOLARSHIPS | SELF-FUNDED', and several hashtags: #Geoinformatics, #EarthObservation, #GeoMedia, #AppDev, #GeoDataScience, and #GeoVisualization. At the bottom, it lists participating countries: AT, FR, and CZ, and the website 'WWW.MASTER-CDE.EU'. Logos for the European Union, University of Salzburg, and other partners are visible in the top right corner.



A banner for the Copernicus Networks General Assembly. It features a dark blue background with a subtle pattern of white dots and lines. On the left, there are logos for the European Union, Copernicus Relays, and Copernicus Academy. On the right, the text 'COPERNICUS NETWORKS GENERAL ASSEMBLY' is displayed in white. Below this, the date '03 DECEMBER 2019' is shown in large yellow and white text. At the bottom right, it says 'EUSW2019, HELSINKI' in yellow.

INVENT & INNOVATE: make academia visible

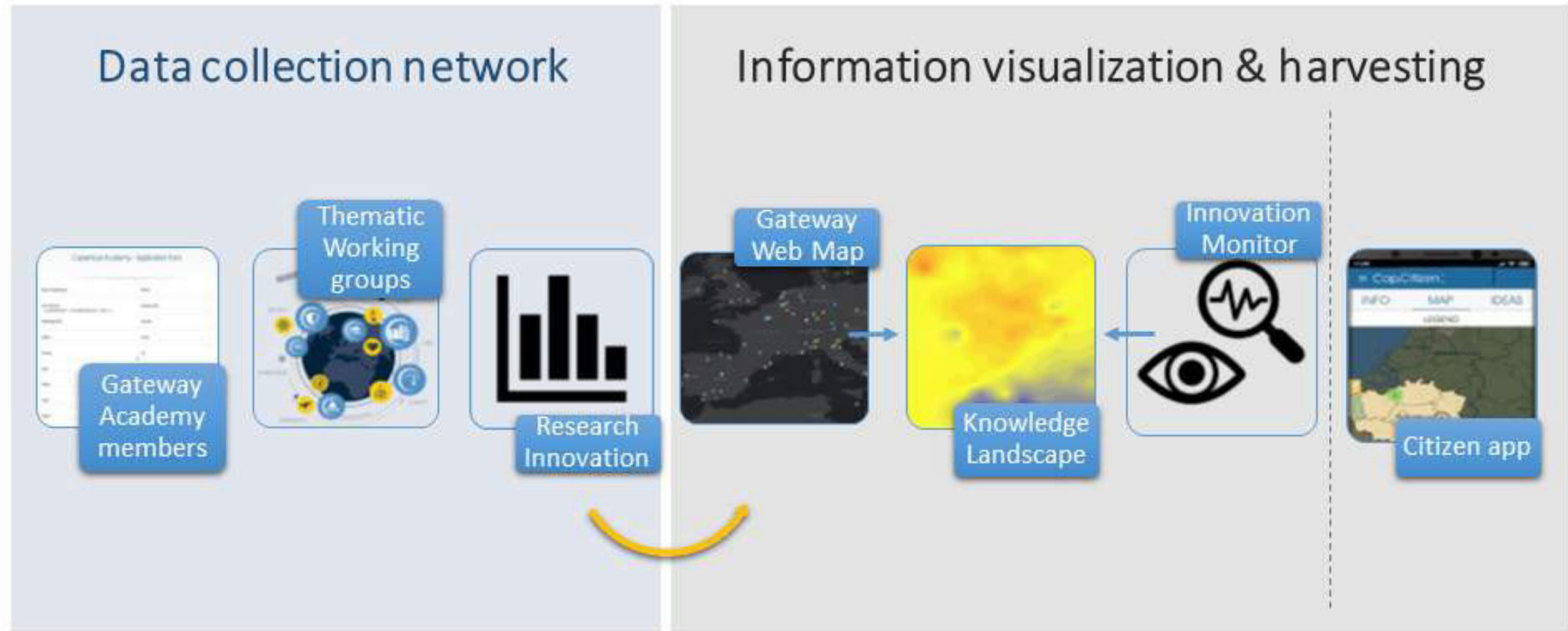


COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER 2019

EUSW2019, HELSINKI

INVENT & INNOVATE: technical elements





Gateway

DRAFT – Application Form

For the official application for Copernicus Academy membership please use the link available at: <https://www.copernicus.eu/en/opportunities/education/copernicus-academy>.

Here you can **test** an additional application form, by which the CopHub.AC project collects additional data of potential and current members, in order to feed the knowledge landscape and other interactive tools under development. Please fill in your information about your **department**, if existing, otherwise of your organisation. Please note that **one organisation may have multiple departments** being all individual Copernicus Academy members.

Educational programmes of your department*

- | | | |
|--|---|---|
| <input type="checkbox"/> Bachelor | <input type="checkbox"/> Master | <input type="checkbox"/> PhD |
| <input type="checkbox"/> Commercial courses | <input type="checkbox"/> Distance education | <input type="checkbox"/> Intensive learning (Summer school) |
| <input type="checkbox"/> Vocational and educational training (VET) | <input type="checkbox"/> MOOC - Massive Open Online Courses | <input type="checkbox"/> None |

Your level of expertise in: Methods and technologies*

Geovisualisation - Level of expertise (Low: 1 - High: 10)*

Image processing & analysis - Level of expertise (Low: 1 - High: 10)*

Big (Earth) data - Level of expertise (Low: 1 - High: 10)*

Your level of expertise in: Copernicus services*

Land - Level of expertise (Low: 1 - High: 10)*

Marine - Level of expertise (Low: 1 - High: 10)*

Climate Change - Level of expertise (Low: 1 - High: 10)*

Add another existing partnership +

Existing partnership in the Copernicus Academy Network

Your level of expertise in: Application areas*

Climate change mitigation and adaptation (Low: 1 - High: 10)*

Energy transition (Low: 1 - High: 10)*

Food security (Low: 1 - High: 10)*

- ✓ gain more knowledge about members and understand their potential offer
- ✓ details about education and existing partnerships
- ✓ structured info about methods and application fields of including self-assessment

Supporting the CSO and DG GROW in defining a new application process



COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER 2019

EUSW2019, HELSINKI



Thematic Working Groups



Copernicus Atmosphere topics

- Environmental health issues mapping (e.g. Pollen fluxes tracking and trend forecasting)
- Local scale air quality analysis (improved nowcasting and forecasting)
- Improved accuracy of Copernicus data and information for Renewable energy (solar and wind energy)

Chair: Maria Tziouvara (Cyprus University of Technology)

Deputy Chair: Rodanthi Mammari (Cyprus University of Technology)



Copernicus Marine topics

- Marine application of Copernicus
- Copernicus for support of European Directives (MSFD, WFD, BOD)
- Marine pollution and Marine litter

Chair: Dana Tsakiridis (Hellaspedion University)



Copernicus Land topics

- Copernicus Land for Climate Change: monitoring land use and land changes (SULUCF)
- Agri-environmental applications: CAP monitoring, irrigation monitoring and management
- Challenges for future land monitoring (CLC+, EAGLE, etc.)
- Wetland and water monitoring

Chair: Christoph Scheller (University of Malaga)



Copernicus Climate Change topics

- Climate action
- etc.

Chair: Katerina Kiriakou (Climate-ACC)



Copernicus Security topics

- Maritime Security, Border Monitoring, Support to external action
- Near-real time access and semi-automated processing of data
- Integration of different data types (e.g. socio-economic factors and others)



Copernicus Emergency topics

- Automatic detection of emergency issues (oil spills, oilrigs, fires, volcanic eruptions, etc.)

Chair: Vasiliki Triantafyllou (University of Ioannina)

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

39 experts from 21 Copernicus Academy members registered

Get involved

www.cophub-ac.eu/twg



COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER 2019

EUSW2019, HELSINKI

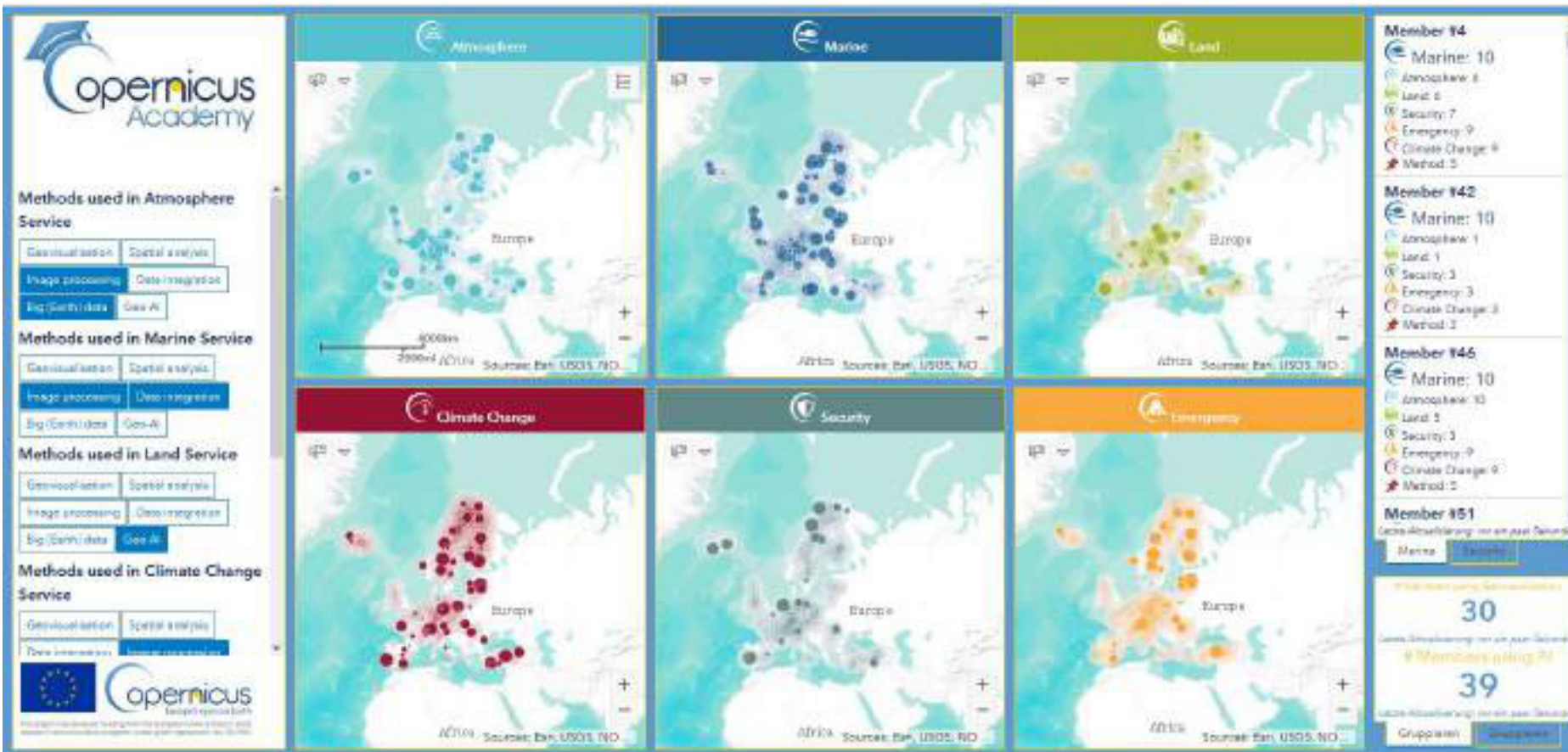


Knowledge Landscape

- ✓ map the expertise and skills currently present in the network
- ✓ analytical tool to visualise and search for competences in combi with methodological expertise
- ✓ facilitate the development of synergies between members

Visit

www.cophub-ac.eu/knowledge-landscape



Copernicus
Relays

Copernicus
Academy

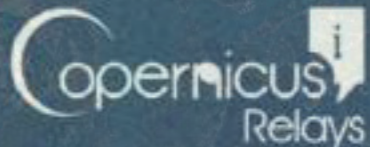
OpHub.AC

COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER 2019

EUSW2019, HELSINKI

What type of distributed expertise would you like to see showcased and find in the Copernicus Academy Knowledge Landscape?



COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER **2019**

EUSW2019, HELSINKI



Innovation Monitor



- ✓ dashboard of Copernicus stimulated innovations
- ✓ part of the Knowledge landscape

Under development....

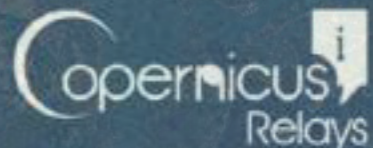


COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER **2019**

EUSW2019, HELSINKI

How would you measure the innovation of single members within the Copernicus Academy?



COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER **2019**

EUSW2019, HELSINKI



Citizen App



- ✓ access to Copernicus information layers
- ✓ interactive involvement of user

Get involved

www.cophub-ac.eu/citizen



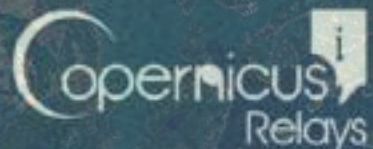
COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER **2019**

EUSW2019, HELSINKI

THANKS!

www.cophub-ac.eu



COPERNICUS NETWORKS
GENERAL ASSEMBLY

03
DECEMBER 2019

EUSW2019, HELSINKI