

- **Practical Instructions for the teleconference:**
 - Please note the meeting is recorded for follow-up purposes
 - In order to ensure a good acoustic, please mute yourself, otherwise the moderator will mute you
 - You may at any time comment or ask questions at any time, please write a message addressed to everyone in the chat which we monitor continuously

Skills development in Earth Observation and Copernicus User Uptake: Tools for EO4GEO regional roll-out

NEREUS Webinar 20/10/2020



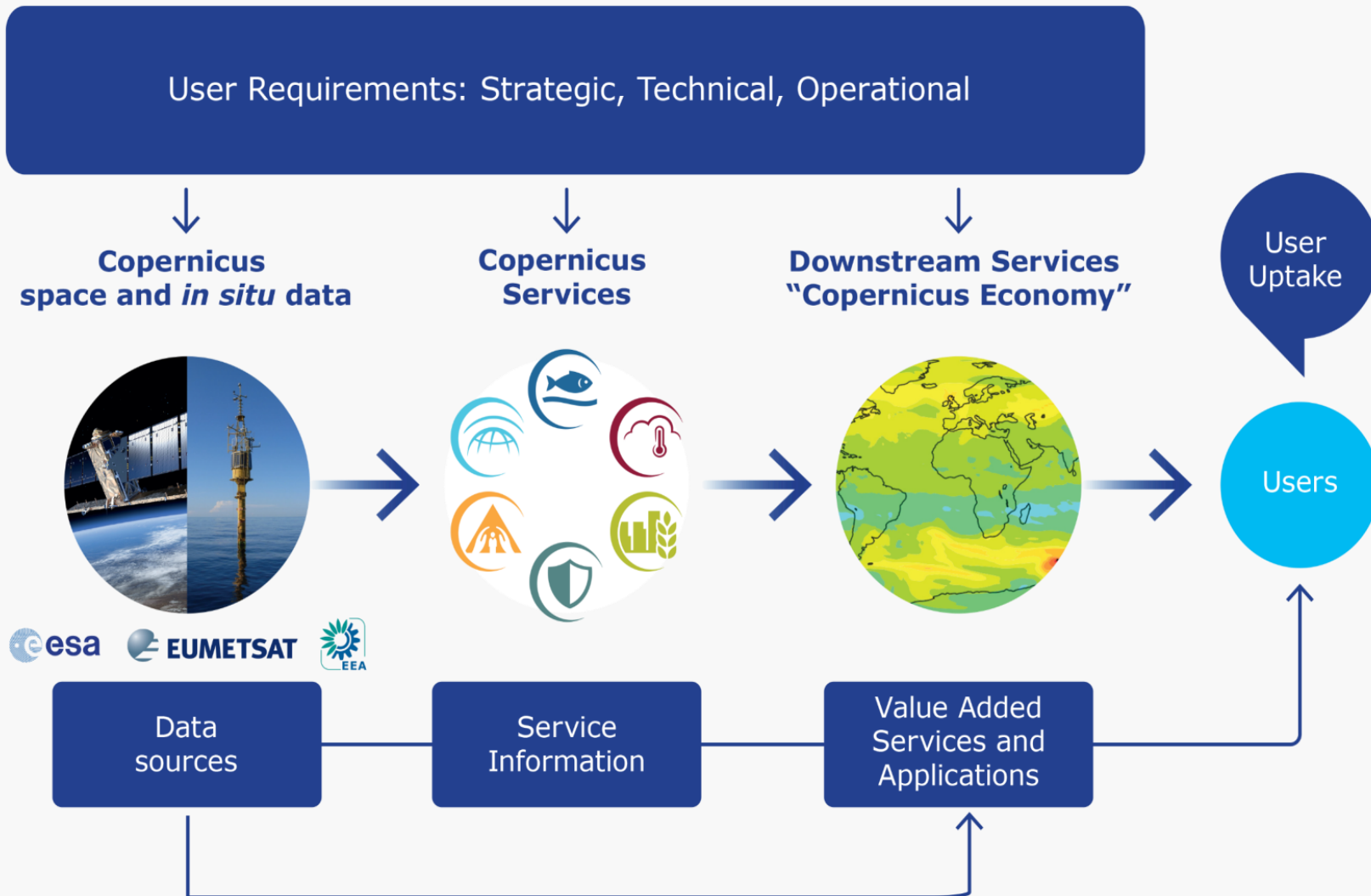
Copernicus in a nutshell...

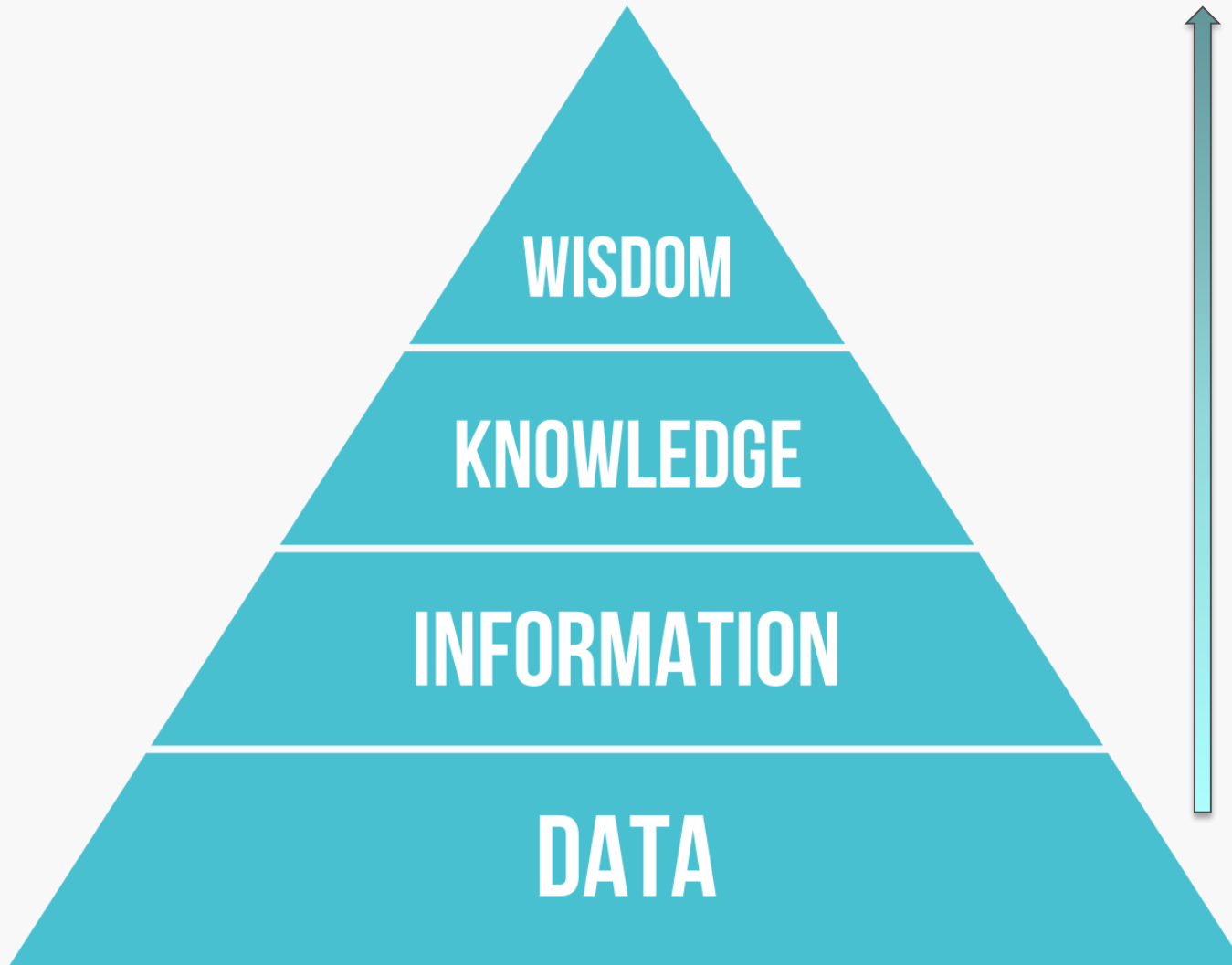


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The **Copernicus** Programme, with over 12 TB of Earth Observation (EO) data generated daily, is the **third largest data provider** globally.



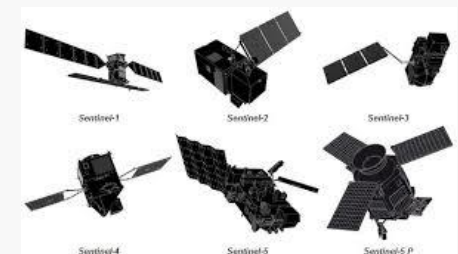


**DECISION SUPPORT
SERVICES and
APPLICATIONS**

**DATA ANALYSIS
AND MODELLING**

**DATA PROCESSING
AND STORAGE**

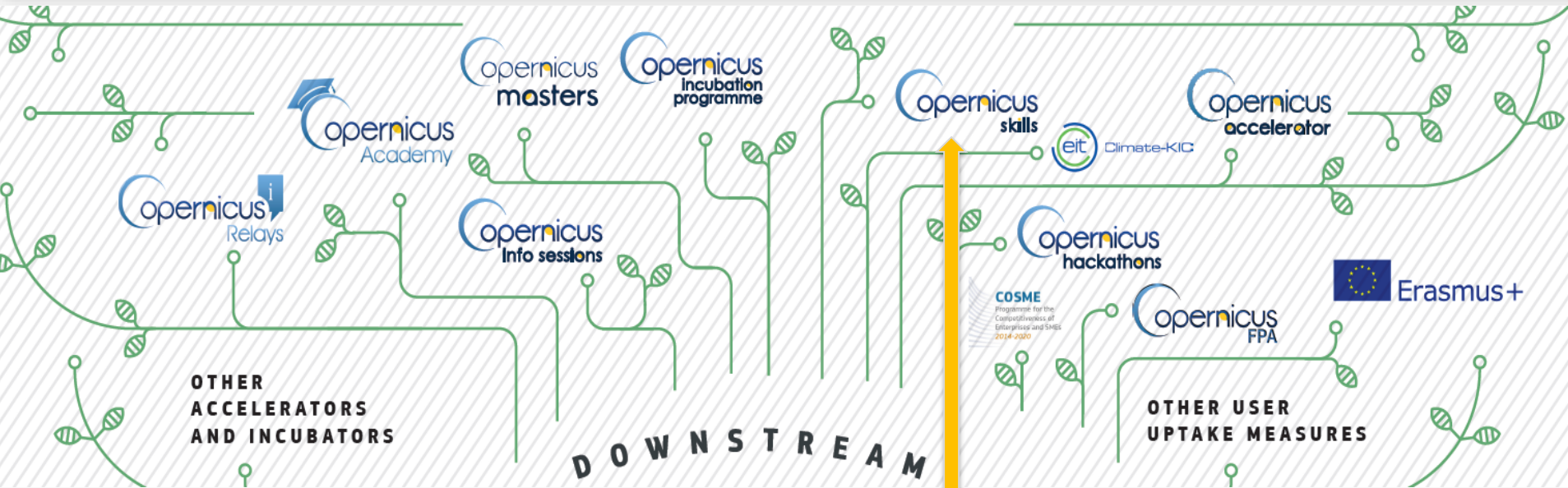
DATA ACQUISITION



Skills in the Copernicus Ecosystem



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Strategic axes for enhancing education and skills development through Copernicus

Awareness/ Outreach

Communication

- Outreach material
- Events
- Branding
- Promotion support actions (**COSME**)

Information/ Networking

Users uptake

- National training & info sessions
- **CEST** (Copernicus Ecosystem)
- Industry workshops

Skills training

Users uptake

- Copernicus **Accelerator/ Incubation** programme
- Professionals training (**KICs**)
- **RUS** (Researchers support)
- Students training (**KICs**)
- **PhDs & post-PhDs** scholarships (**KICs**)

Skills enhancing

Users strategy

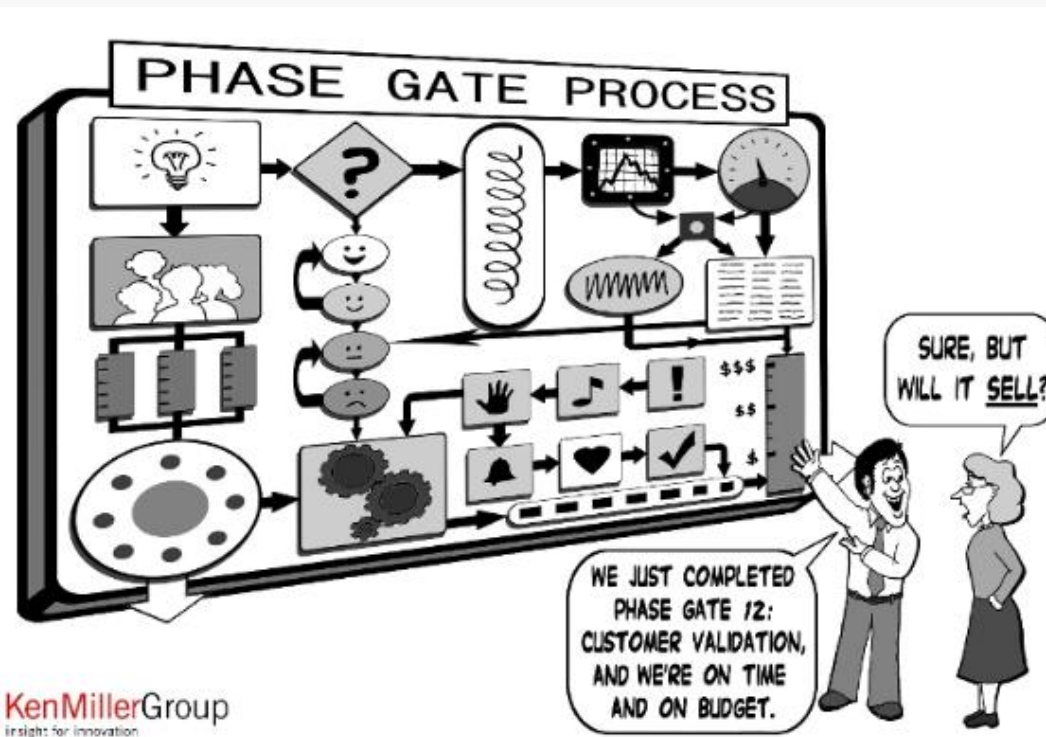
- **DIAS** (Digital infrastructure)
- **Copernicus Academy** and **Relays** networks
- **FPA** and **COP FWC**
- **H2020**
- **E4GEO** partnership (Erasmus+)

ERASMUS PLUS SECTOR SKILLS ALLIANCE

TO DEVELOP A STRATEGIC APPROACH (BLUEPRINT)



There is a need to understand individual scenarios or work processes



A vision for a European-wide partnership



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SUPPORT THE SPACE STRATEGY FOR EUROPE BY ENHANCING SKILLS, LEARNING AND KNOWLEDGE TRANSFER



GISIG



KU Leuven



PLUS



UJI



GEOF

UPAT

FSU-EO



UT-ITC



UNIBAS



IGiK

Planetek



IGEA



EPSIT



NOVOGIT



GIB



Spatial Services

CLIMATE-KIC



EARSC

ROSA



UNEP-GRID

In partnership with
UN Environment



NEREUS



VITO

CNR-IREA

VRIIES



ISPRA



ALFA



EO4GEO – What can you expect?

Sectoral Skills Strategy

“Skills Intelligence”: “a comprehensive and user friendly information, data, facts, analysis and interpretation about the past, present or future skill needs in occupations and sectors”

- ✓ Identifying the **supply of GI and EO education and training** at the academic and vocational levels
- ✓ Identifying the **current demand for GI and EO skills** and occupational profiles
- ✓ Analysing **trends, challenges and opportunities** in the GI and EO sector: setting - up a technology and non - technology watch
- ✓ Assessing the **skills shortages, gaps and mismatches** between supply and (future) demand
- ✓ Defining a **GI and EO sector skills strategy** in terms of training provision and formats

- A **Sector Skills Strategy** with recommendations on how to respond to skills shortages in the spatial and geo-spatial sectors (1Q2019)
- An ontology-based **Body of Knowledge** for the space/geospatial sector;
- A **series of curricula** and a rich portfolio of **training modules** directly usable in the context of Copernicus and other relevant programmes;
- A series of **training actions** for a selected set of scenario's in the three sub-sectors - integrated applications, smart cities and climate change to test and validate the approach;
- A long-term **Action Plan** will be developed and endorsed to roll-out and sustain the proposed solutions;

TARGET AUDIENCES



PRIMARY AUDIENCE

- ✓ **High Education (HEI) and VET institutions** providing training in EO/GI
- ✓ **SMEs** and industry hiring EO/GI professionals
- ✓ **Public** administrations and agencies (all levels)
- ✓ **EO/GI students**
- ✓ **Stakeholder associations** in the EO/GI sector (students, universities, private sector)

SECONDARY AUDIENCE

- ✓ **Research centers** active in the field of Earth Observation
- ✓ Various **stakeholders** along the Earth Observation / Geospatial value chain
- ✓ **European stakeholder associations** representing students, companies and public administrations in relevant sectors (space, geospatial, aerospace, public sector, innovation, training, digital skills, green skills and soft skills, climate change, integrated applications, smart cities, ecc.)
- ✓ **Innovation agencies**

Why we joined the project



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REGIONS



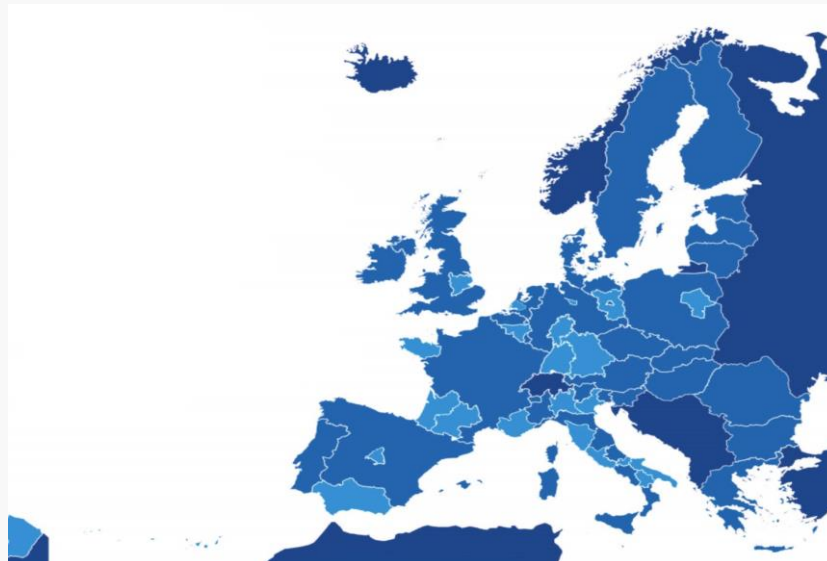
Advocacy/POLITICAL DIALOGUE

INTERREGIONAL COLLABORATIONS and Partnerships

New Trends/ PUBLIC OUTREACH

- ❖ Regions are a key end-user group (almost 90% of the service are related to the public sector);
- ❖ Regions are responsible for innovation, research and SME policies and programs as well as regional policies (structural funds, S3-strategies);
- ❖ Regions are a privileged scale to identify and define societal needs and growth opportunities for space;

- ❖ Regions are the unique level to link space with territorial and regional development challenges;
- ❖ **Regions are able to channel space** as an enabler into a wide range of non-space policies;





- **5 outreach workshops** are already foreseen organized by the NEREUS network Members, which are part of the Copernicus Academy Network. **2** of them had been already accomplished:

- Ponta Delgada, PT (University of the Azores)
- Latresnes, FR (AéroCampus)
- Matera, IT (Consorzio TeRN)
- Mazovia, Podkarpackie, PL
- Brussels, BE (NEREUS)



2019



2019

- AEROCAMPUS Aquitaine, Lastresnes (FR): 07/08 Oct. 2019 – (conference language: French)



More at <http://www.nereus-regions.eu/>

Bruxelles (BE): 24 October 2019 – Regional roll-out (in English)



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More at <http://www.nereus-regions.eu/>

2021

▪ Ponta Delgada, PT (University of the Azores)

Discussing about a skills strategy for LRAs focus on maritime and agriculture

2021

▪ Mazovia, Podkarparckie, PL

Innovation and competitiveness in the framework of EO4GEO skills strategy: the case of the business aerospace sector in Poland

Interview report on future skills in the EO/GI sector

What is about: a series of interviews to employers (LRAs and companies) to find out what are their main expectations on future skills on the EO/GI sector and how they are preparing to tackle them.



Why we do it:

- to gather more information on future trends and challenges in the Space-Geoinformation sector that will provide guidance to the EC for future EU-policies and funding;

www.eo4geo.eu

HOME

THE PROJECT ▾

RESOURCES ▾



NEWS&EVENTS

COMMUNITY

CONTACT

Fostering Copernicus user uptake

We develop an innovative strategy for skills development and capacity building in the EO/GI field

LEARN MORE ABOUT EO4GEO





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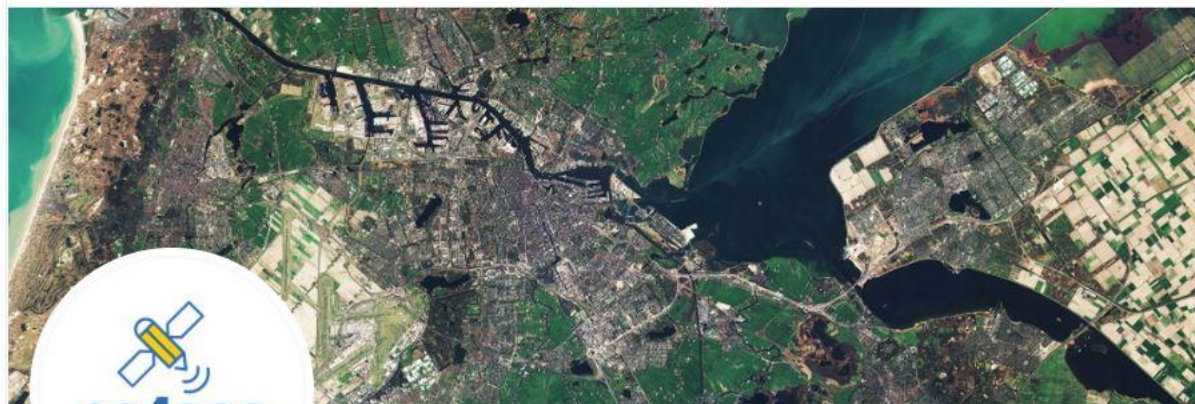
Lists

Profile



EO4GEO

524 Tweets



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Empowering a new generation of users in the EO/GI sector - #ErasmusPlus

Europe eo4geo.eu Joined January 2018

210 Following 1,042 Followers

 Followed by Women in Copernicus, PARSEC Accelerator, and 167 others you follow



Series of
NEREUS
Webinars

WEBINAR: PROMOTING REGIONAL SPACE USES IN EU PROJECTS- IMPRESSIVE PLATFORM TO TACKLE CHALLENGES IN THE EU HARBOURS, WEDNESDAY 18TH NOVEMBER 2020, 14:00 CET ([LINK](#))



Thank You!

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www.nereus-regions.eu



@NEREUSaisbl



Network of European Regions Using Space