

EDUCATION AND TRAINING IN THE SPACE SECTOR: NEW TRENDS, PARTNERSHIPS, AND OPPORTUNITIES



– NEREUS – Presentation:
Network of European Regions
Using Space Technologies

Margarita Chrysaki, Communication/Project officer

- **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

OUR MISSION

USING SPACE ON
EARTH
for the benefits of
citizens and
territories

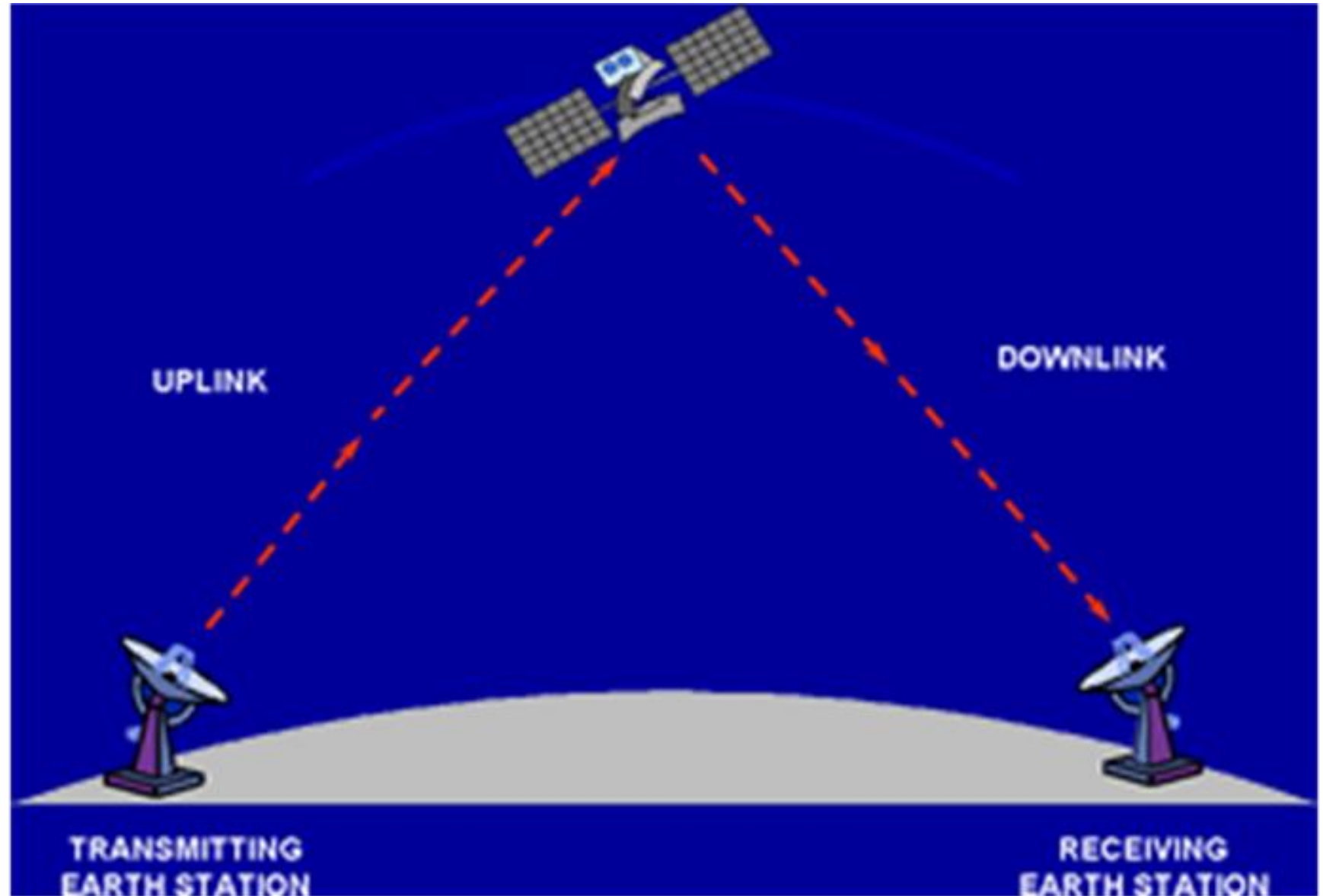


SPREAD THE **USE AND UNDERSTANDING** OF SPACE TECHNOLOGIES

ADVOCATE MATTERS OF REGIONAL SPACE USES

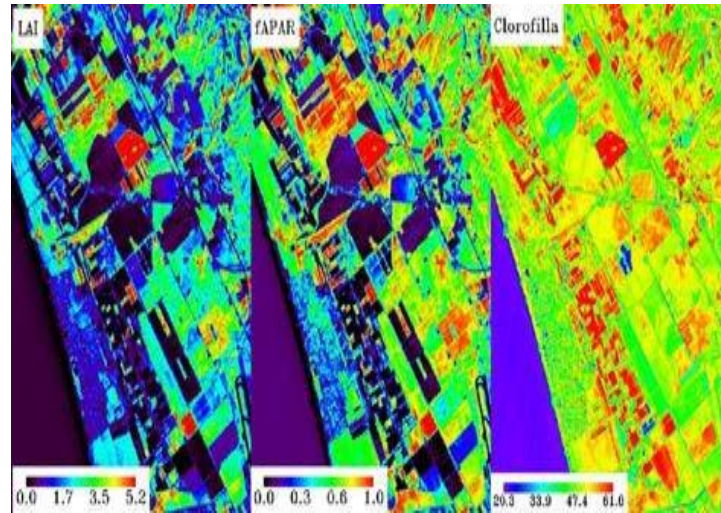
STIMULATE THE DEVELOPMENT OF SPACE **APPLICATIONS**

The use of Space



NEREUS is
about
Using Space

NEREUS is about Using Space



Data from satellite imagery



Useful Information for
people, companies and
organisations

Domains with high interests for regions



NEREUS members

MEMBER REGIONS (Full members)



Associate Members



WHAT DOES NEREUS OFFER ITS MEMBERS?



A JOINT PLATFORM

- for developing **joint positions** and voice them
- for building **partnerships** and networking at a European scale
- for facilitating the **involvement** in EU/ESA-funded activities
- for accessing crucial **information** in advance
- providing enhanced **visibility** of the Region at European level

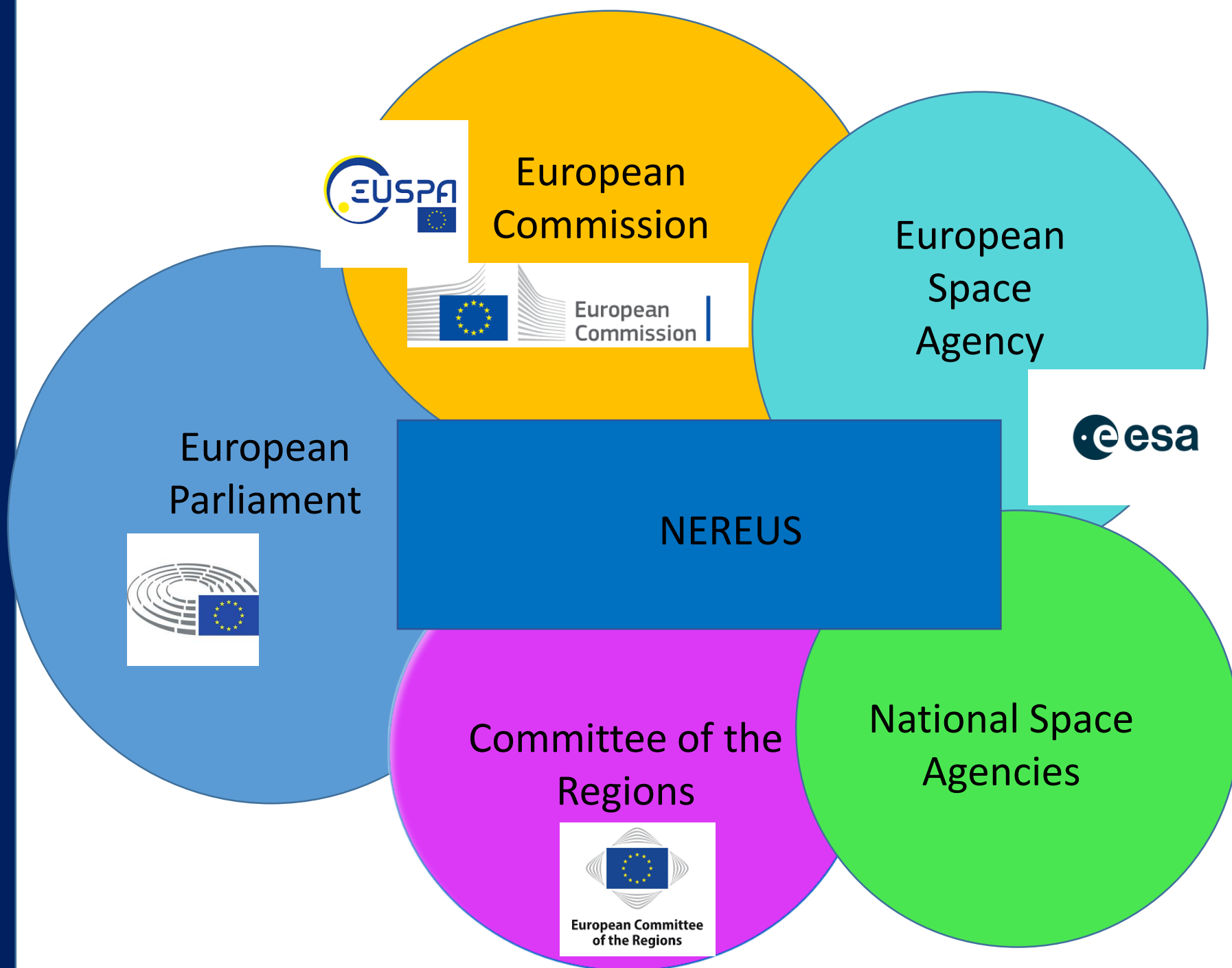
NEREUS pillars of action

ADVOCACY/POLITICAL
DIALOGUE

INTERREGIONAL
COLLABORATIONS and
PARTNERSHIPS




TECHNOLOGICAL
TRENDS/
PUBLIC
OUTREACH

Strategic Partners










Copernicus4regions ESA/Commission joint project





→ THE EVER GROWING USE OF COPERNICUS ACROSS EUROPE'S REGIONS

A selection of 99 user stories by local and regional authorities










An ever growing use of Copernicus in regional ecosystems

Be it spatial planning, civil protection, water management or environmental monitoring, public authorities face a wide range of common challenges. Copernicus is increasingly being used to find solutions to address these challenges, as it is showcased within many Copernicus4Regions user stories.

The rich geographical and spatial data from Copernicus is increasingly being used to find solutions to address these challenges, as it is showcased within many Copernicus4Regions user stories.


Copernicus is truly a shared resource.



"Using the Sentinel images to update our glaciers' maps database has not only improved our data but also productivity"
Magnus Gelleraudsen, General Director, National Land Survey of Iceland
(Slope of glaciers in Iceland - p.156)



"This application has transformed the way we manage the public land of Soudal marshes for biodiversity and conservation issues."
Bastien Bellanger,
Communaute de Communes du Pays de l'Or et de la Basse du Mont Saint Michel
(Mutual functional assessment - p.142)



"Copernicus aids daily decision making activities, minimising the implications of environmental threats."
Jorge Ortiz (CDM) Rega de Coimbra
Nuno Martins (CDM) Rega de Coimbra
(Copernicus helping civil protection - p.200)



"This application of Copernicus Sentinel-2 has transformed Earth Observation Data into a decision support information."
Ramon Soria, Diputació de Barcelona
(Forestland decay in Mallorca using Sentinel-2 imagery - p.16)

"Copernicus data opens new opportunities for the region."
Ondrej Boháč,
Experiences in the Czech Republic

"We hope our 'Copernicus' series articles will help to raise awareness of the benefits of Copernicus data for the region."

"We found satellite data an extremely useful method to prevent and detect poaching."
(Monitoring the Po)

"The use of Copernicus Sentinel-2 data is helping to monitor the health of the region's forests."
António Tadeu, SGA
(Copernicus Sentinel Data for forest monitoring)

99 User stories | **72** Regions of Application | **177** Authorities





Bridging the skills gap in the
Earth Observation sector

Reinforcing the existing training
and education ecosystem in the
Earth Observation sector

Fostering the uptake of
space/geospatial data and
services in end-user
applications

www.eo4geo.eu



SHAPING THE EO*GI SKILLS OF THE FUTURE

EO4GEO final conference

Join us in a discussion with key European actors
from the Earth Observation and Geographic
Information domain and stakeholders from the
education and training sector.

Save the date!

17-18th May 2022

Brussels and online

Organized by
the EO4GEO alliance



Co-funded by the
Erasmus+ Programme
of the European Union



SPACE GIRLS/ SPACE WOMEN Mobile Photo- exposition (1)



- 40 photo portrays of girls and women of three different generations and different continents with their heads in the stars who choose space as a career, work or study option
- Supported by Sipa-Press and ESA (NEREUS is together with CNES, Cité de l'Espace, Universpace and GSA sponsoring partner);
- Following events in Brussels and Paris exhibition tours through NEREUS-regions



New exhibition: Space4OurPlanet (1)

Space
sustainability

« **SPACE4OurPlanet**
» - features portraits of
17 Women, men, boys
and girls from
17 Countries explaining
how **space**
technologies contribute
to the accomplishment of
17 Sustainable
Development Goals
(SDGs)

<https://www.space4ourplanet.org/>

Bring SPACE4OUR Planet to your region



Launched on 28th September 2021 in
Brussels/Belgium in front of the European
Parliament

The use of Space

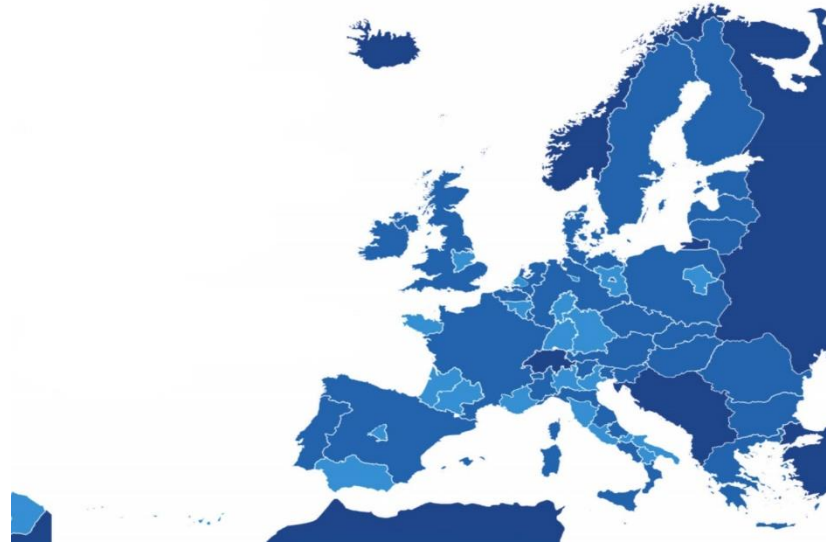


Regions: a key player for education and training

- ❖ 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: a key player for education and training

- ❖ 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;



NEREUS webinar series on education/training in the space sector



EDUCATION AND TRAINING IN THE SPACE SECTOR, NEW TRENDS, PARTNERSHIPS AND OPPORTUNITIES

I SESSION - 5TH OCTOBER 2022, 15:00-16:00 CET



Programme 5th October 2022 (moderated discussion with participating partners):

- Welcome and introduction by Margarita Chrysaki, NEREUS Communication and Project Officer (5 min);
- Presentation of the Laboratory of Atmospheric Physics, University of Patras (GR) and its expertise and interest for cooperation, by Professor Andreas Kazantzidis (5-7 min);
- Presentation of the Space Research Centre in East Midlands (UK), University of Leicester, by Professor Mark Lester (NEREUS-Vice President) and its expertise and interest for cooperation (5-7 min);
- Moderated discussion with participating partners on presented areas/priorities for partnerships/cooperation and next steps (15 min);
- Capacity building skills opportunities (5 min.):
 - I. Presentation of the EOTEC Dev Net by Dr. Martyna A. Stelmaszczuk-Górska, (University of Jena);
 - II. Presentation of Digital Europe call by Francesco Casaril NEREUS Trainee;
- Presentation of the EO4GEO tools and training material by Eva-Maria Steinbacher, University of Salzburg, and Sven Casteleyn, INIT (10 min);
- Closing remarks

II SESSION - 7TH NOVEMBER 2022, 11:30-12:30



Programme 7th November 2022 (moderated discussion with participating partners):

- Welcome and introduction by the Secretary-General Roya Ayazi (5 min);
- Presentation of the Cyprus University of Technology and its expertise and interest for cooperation by Professor Diofantos Hadjimitsis (5-7 min);
- Presentation of the Politecnico di Milano and its expertise and interest for cooperation, by Assistant Professor Raffaella Brumana (5-7 min);
- Moderated discussion with participating partners on presented areas/priorities for partnerships/cooperation and next steps (15 min);
- Presentation of new funding opportunities, by Margarita Chrysaki, NEREUS Communication and Project Officer (5 min);
- Presentation of the EO4GEO by Milva Carbonaro (EO4GEO Coordinator) and UNIVERSEH Alliances (10 min);

[link](#)

THANK YOU!

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