

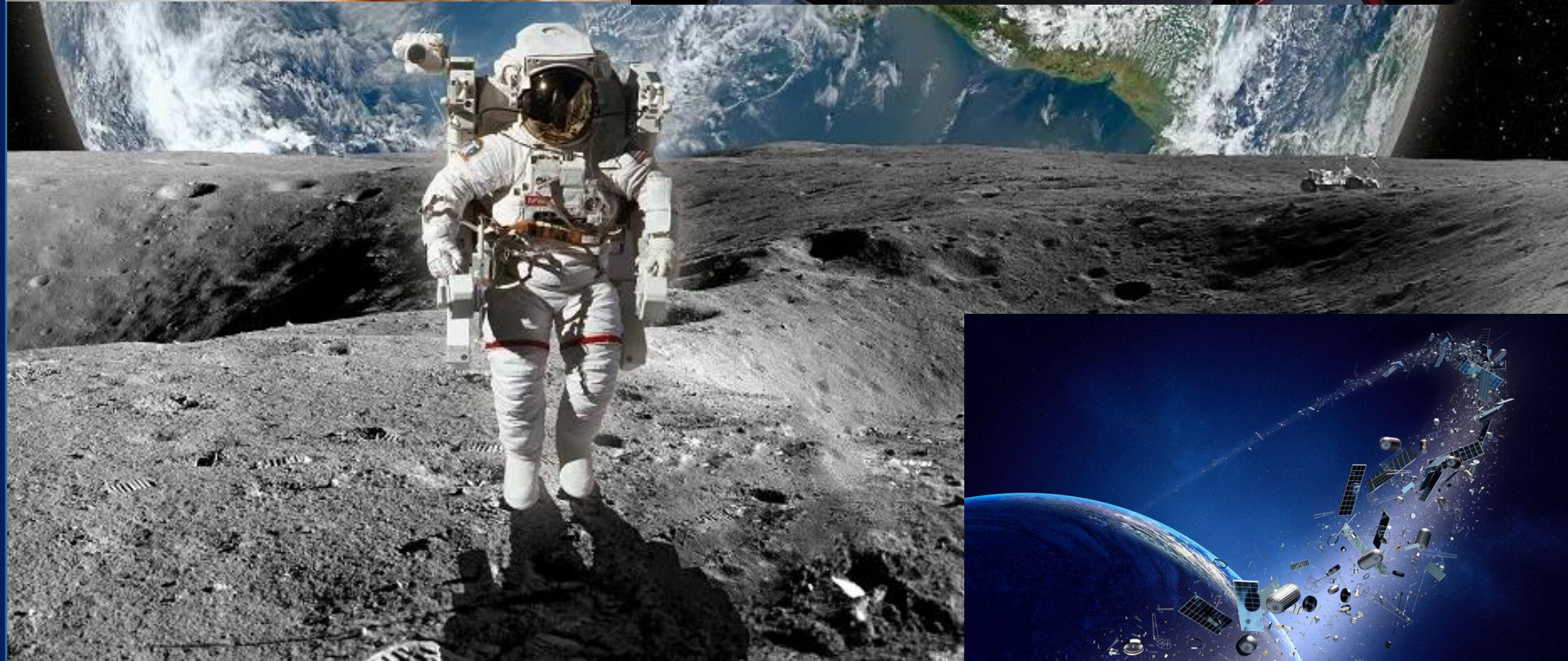
Bringing
the benefits
of space uses
to regions
and their citizens



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

Margarita Chrysaki, NEREUS Communication/Project
Officer

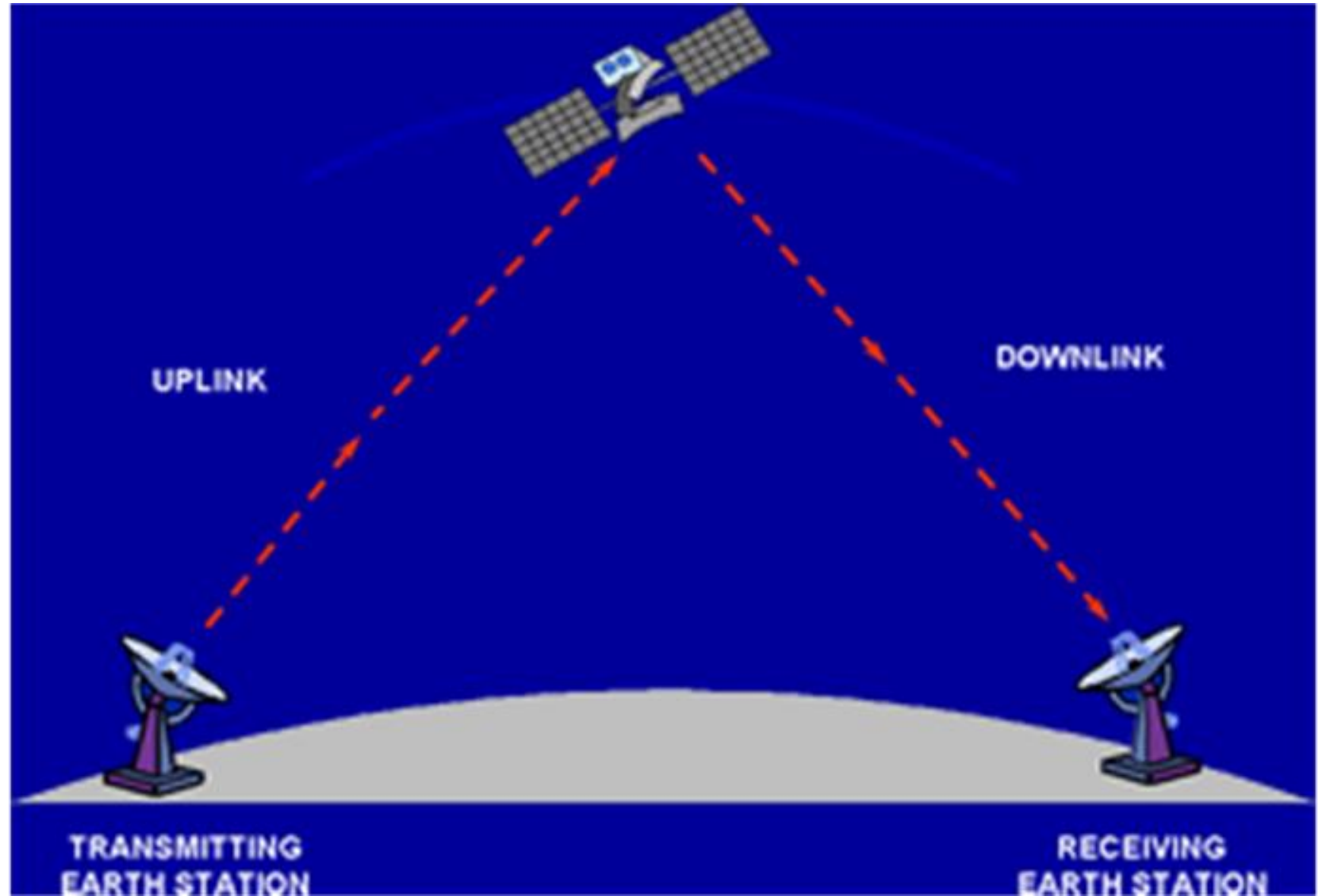
What is Space for you?



The use of Space

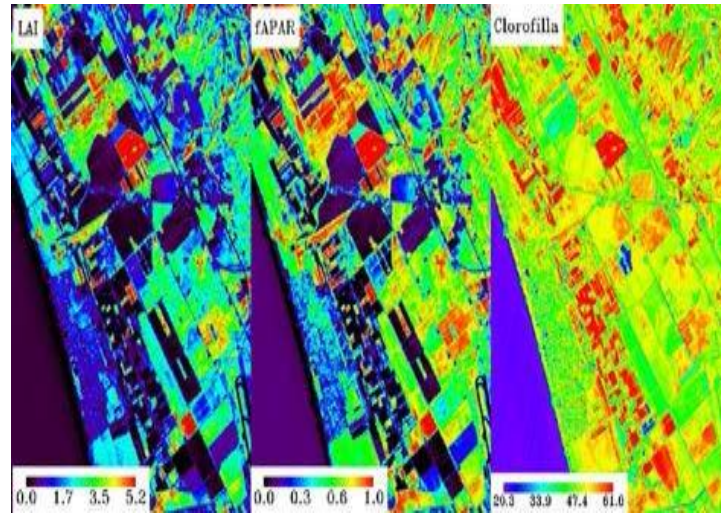


The use of Space



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



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**

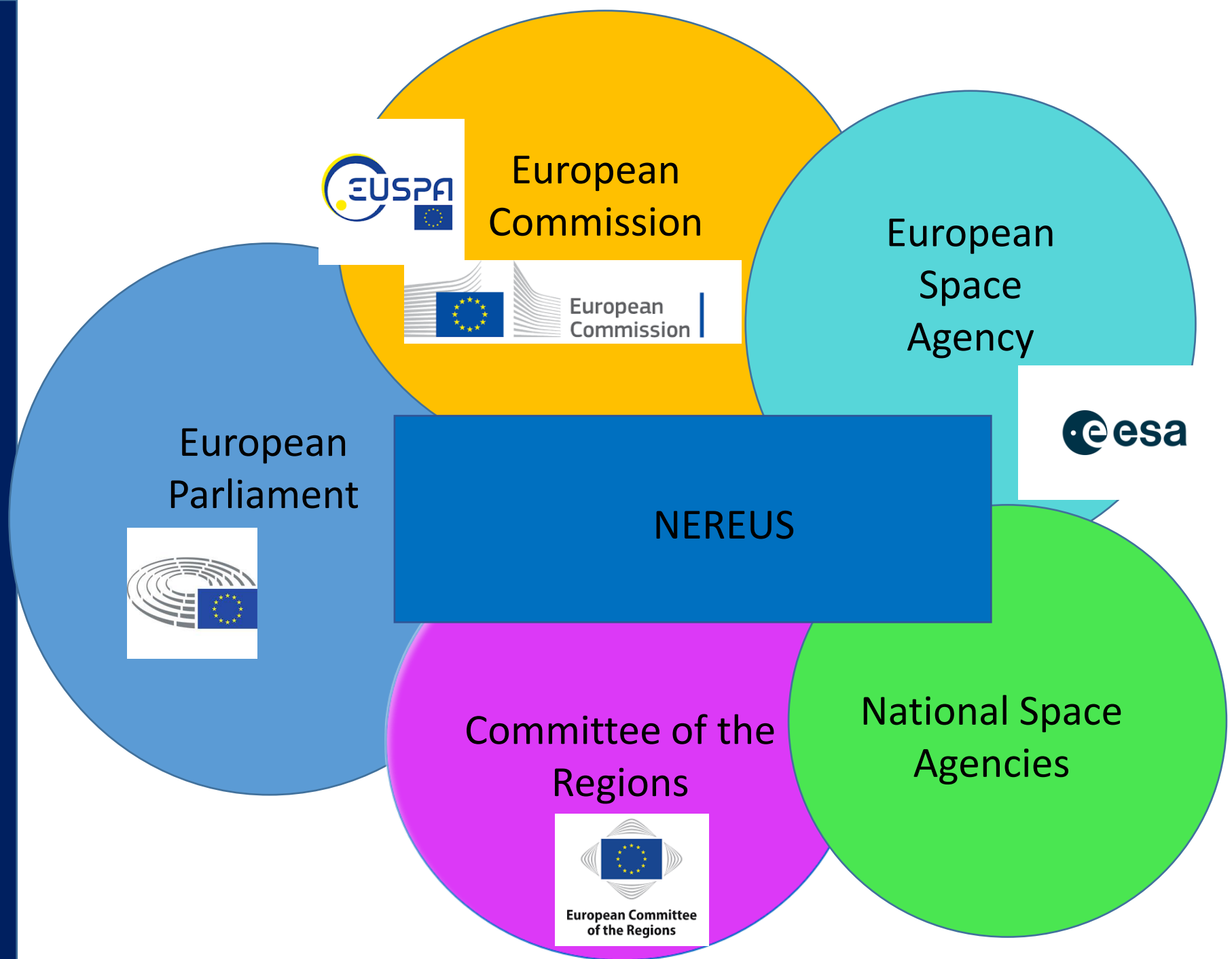
WHAT DOES NEREUS OFFER ITS MEMBERS?



A JOINT PLATFORM

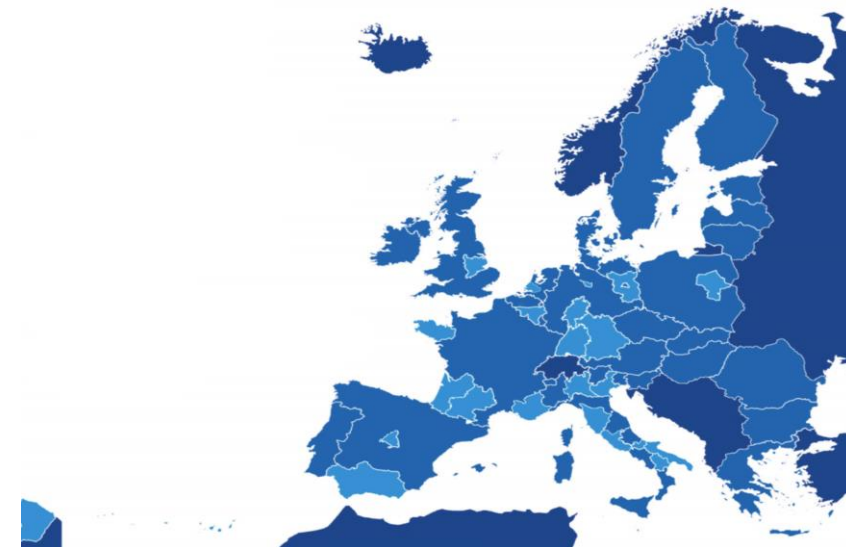
- for developing **joint positions** and voice them
- for building **partnerships** and networking at a European scale
- for facilitating the **involvement** in EU/ESA-funded activities
- for accessing crucial **information** in advance
- providing enhanced **visibility** of the Region at European level

Strategic Partners



NEREUS pillars of action

NEREUS-Regions



UNIVERSITIES

RESEARCH
CENTRES

INDUSTRY

SMEs

ADVOCACY/POLITICAL
DIALOGUE

INTERREGIONAL
COLLABORATIONS and
PARTNERSHIPS

TECHNOLOGICAL
TRENDS/
PUBLIC
OUTREACH



NEREUS-Membership

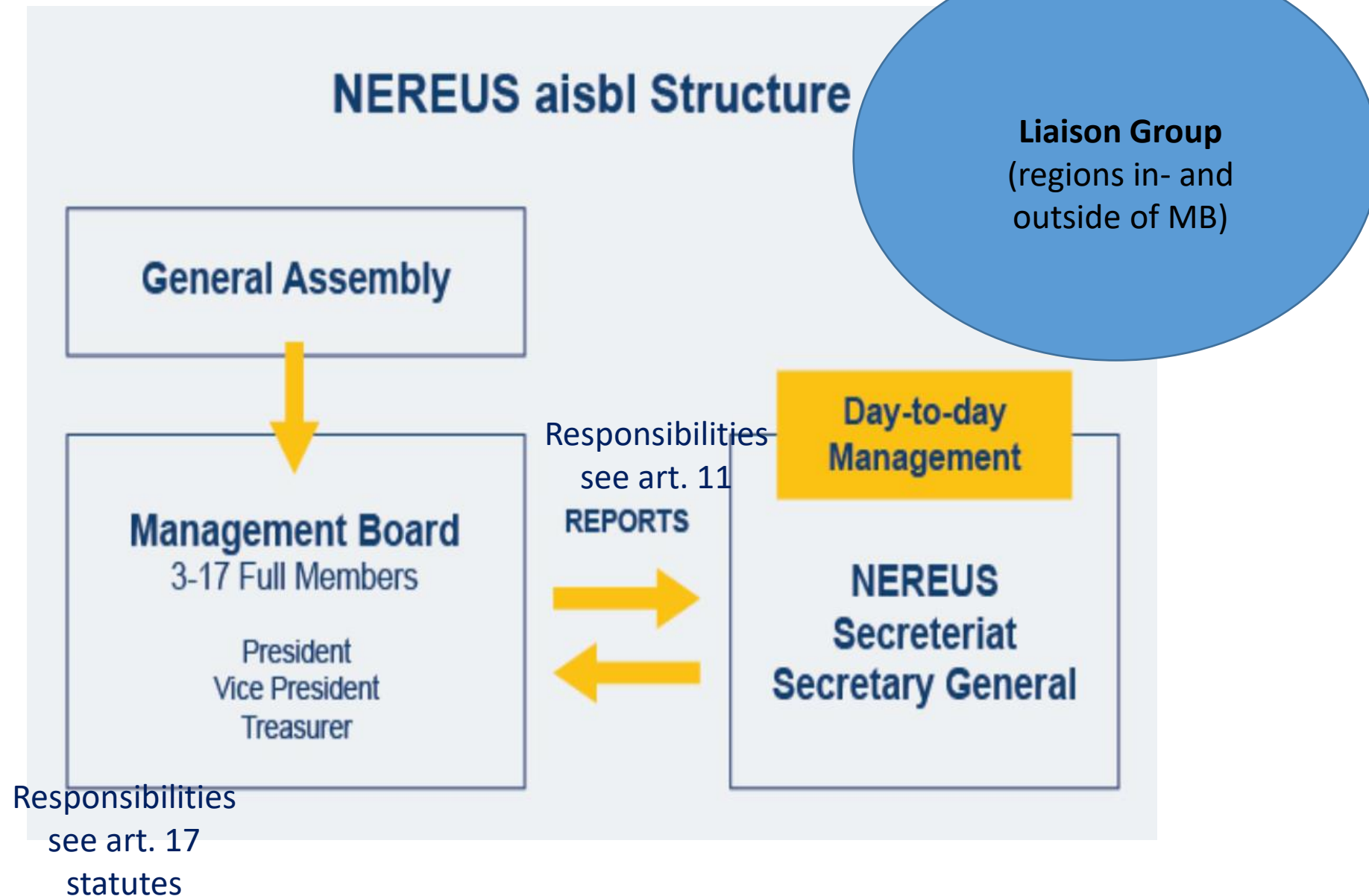
MEMBER REGIONS (Full members)



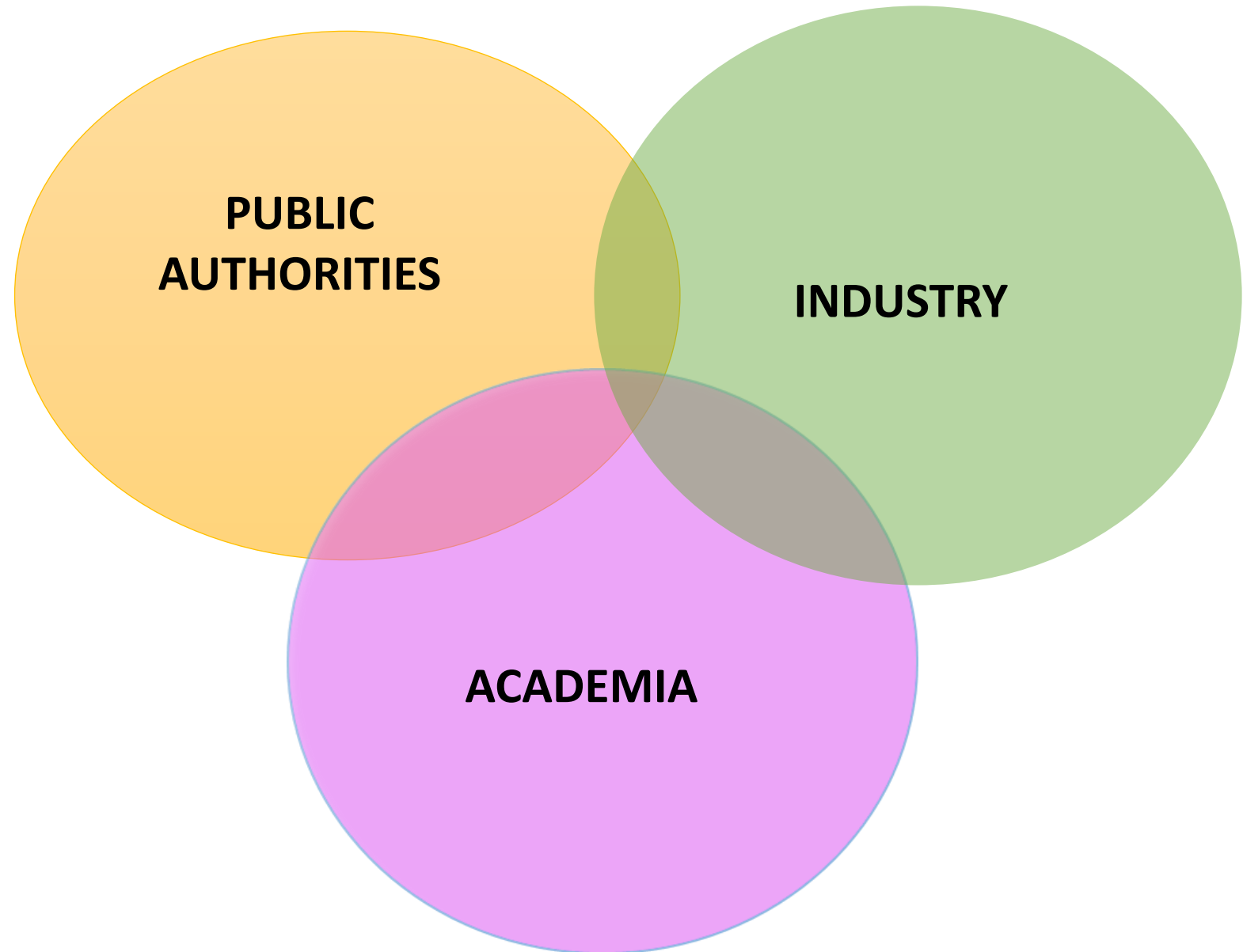
Associate Members

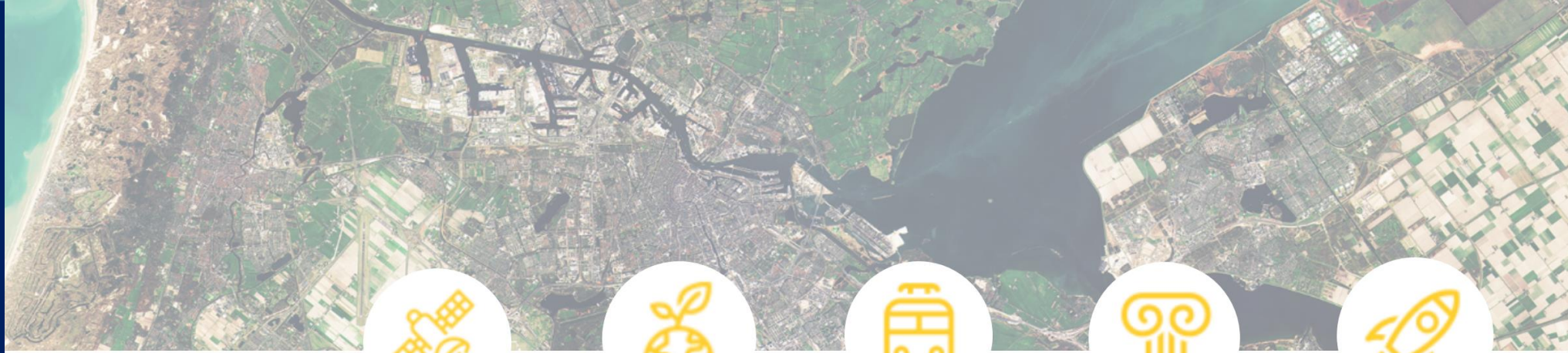


NEREUS Structure



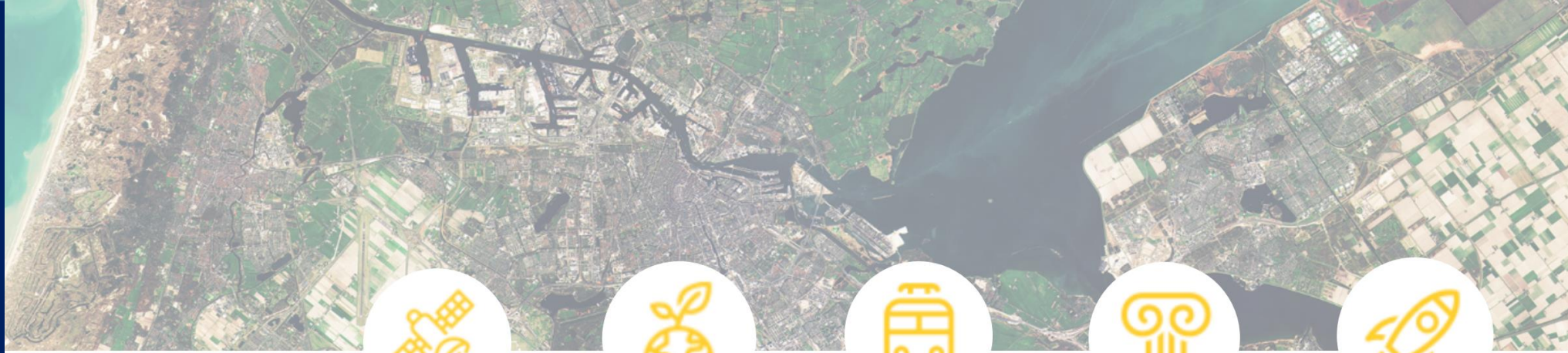
**Triple helix
model:
UNIVERSITIES
A KEY PARTNER
FOR NEREUS**





What are the benefits for universities

- **connect with other full members (regions including public administrations) and associate members (universities, companies, SMEs, space agencies, etc) of NEREUS** aligned with common ambitions, challenges, and interests and derive the benefits of strong collaborations;
- benefit from current and future joint activities of NEREUS through **partnerships and Memorandum of Understandings with EU Institutions** as well as other key stakeholders (ECMWF, EUMETSAT);
- benefit from targeted information to **better access funding** (watch our latest webinars on funding opportunities in sustainable tourism and Horizon call on pre-commercial public procurement in the space sector);
- use our **website and a wide range of communication channels** (newsflash, newsletter, social media) to **raise visibility** and share information on your activities, events etc. with our broader community, as well as to stay up-to-date with EU space policies and other funding opportunities, calls, projects etc. <https://www.nereus-regions.eu/>



What are the benefits for universities

- benefit from the experience and capabilities of projects with a strong market and **research dimension** that are realized on the NEREUS-platform.
- participate in various **conferences, webinars, workshops, and networking activities** where you can present and **discuss best practices and innovative approaches** for the space sector;
- additionally, you will get support in **all phases of the project cycle, from ideation to dissemination; multiply business opportunities with relevant stakeholders and like-minded partners**; participate in our events and exchange information and knowledge with other NEREUS members and associations on the topics of your interest.

How
universities
can
collaborate
with
NEREUS



Cooperation/partnership

**Our vivid
research/academia
community!**



Within our Network (non-members)

Fondazione politecnico di Milano, Lab#ID (dept. of LIUC University), UCSC, Ulg - University of Liège, UniFI - Università degli Studi di Firenze, Unimi, Università Cattolica del Sacro Cuore, Università degli Studi di Milano, Università degli Studi di Milano-Dipartimento di Bioscienze, University of Brescia, University of Milan, University of Milan, Department of Biosciences, University of Pisa, University of Basilicata (UNIBAS), University of Chieti "Gabriele D'Annunzio", University of Bari, University of Stuttgart, UNIVERSITY OF AZORES, University of Leicester, University of Toulouse, University of Padua, CRAFT - Centro Ricerca Analisi geoSpaziale e Telerilevamento, Università Cattolica del Sacro Cuore

Within our Network (members)

Centro Interdipartimentale Studi e Attività Spaziali, CISAS, Cyprus University of Technology, University of Patras, Politecnico di Milano, Politecnico di Torino, University of Bologna, University di Torino, Instituto de Investigacao em Vulcanologia e Avaliacao de Riscos, Institute for Electromagnetic Sensing of the Environment, IREA CNR UOS, Milan, IEST (Istituto Europeo per lo Sviluppo Tecnologico- European Institute for Technological Development), Centre d'Etudes et d'Expertise sur les Risques, l'Environnement, la Mobilité et l'Aménagement

Outside our Network

Aix Marseille University, Aristotle University of Thessaloniki, Budapest University of Technology and Economics, HUNAGI - Hungarian Association for Geoinformation, ESPI - European Space Policy Institute, National Center for Scientific Research "Demokritos"/ Institute of Informatics and Telecommunications, Szent István University, Université catholique de Louvain – CTMA, Goethe-Institut Brüssel, ULB – University, University of Bonn, University of Parma, KU Leuven (Belgium)...

**MoUs and partnerships
with university
stakeholders: EUROAVIA
(European Association of
Aerospace Students), etc**

How
universities
can
collaborate
with
NEREUS



PROJECTS



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





UNIVERSEH is an alliance of five young and mature universities from five European countries to develop a new way of collaboration in the field of Space, within the new “European Universities” initiative promoted by the European Commission

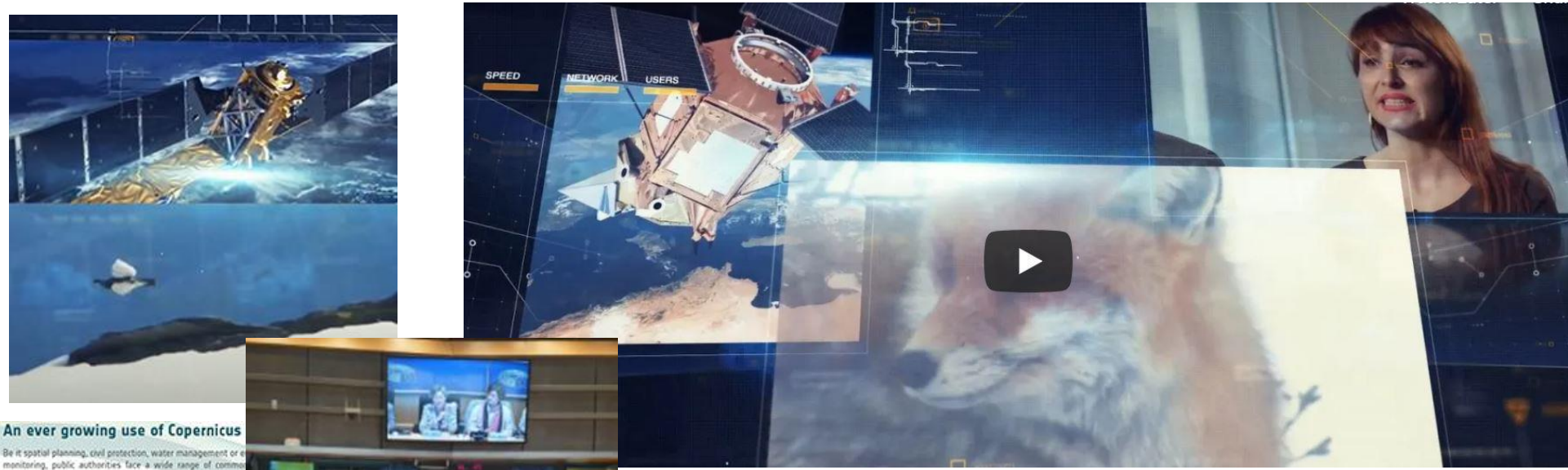
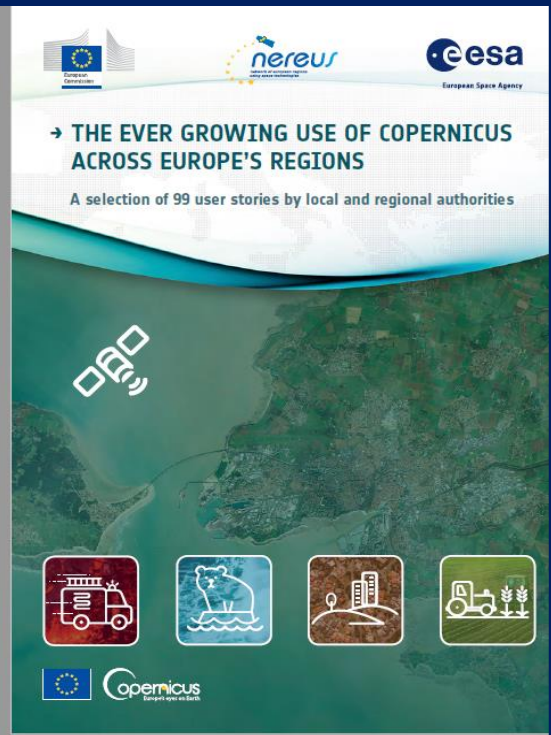


NEREUS is a member of the Advisory Board





Copernicus4regions ESA/Commission joint project



An ever growing use of Copernicus

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

- "Using the Sentinel images to update our glaciers' maps... Maxime Gauthier, General Director, National Land Survey of Iceland - p.158"
- "This application has transformed the way we manage the port of Sète... Julien Ballester, Commandant de Port de Sète et de la Baie de Mont-Saint-Eloi - p.142"
- "Copernicus aids daily decision making activities... Jorge Ortiz (CDM Regia de Control) - p.220"
- "The use of Copernicus Sentinel-2 has transformed... Ramon Riera, Departament de Medi Ambient - p.142"

99 User stories | 72 Regions of Application | 177 Authors



The need for better information;
The limitations of the traditional techniques

IMPRESSIVE:
Tackling
marine
pollution
events in the
EU ports

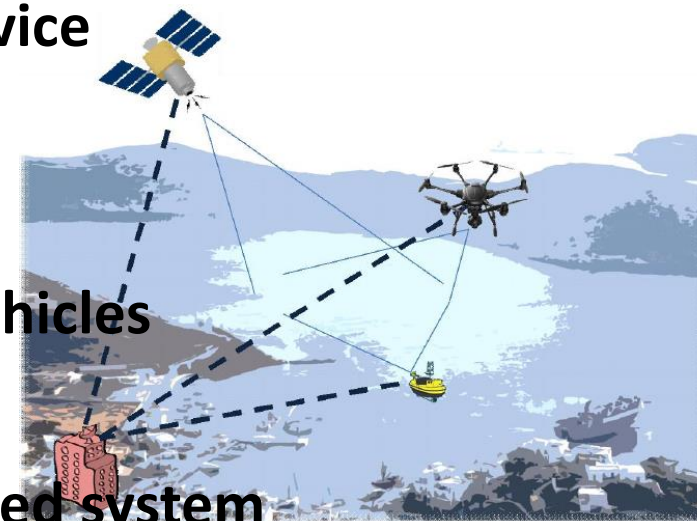


Maritime
project



A space based solution for you! The online product consists of an integrated operational service:

- ✓ Satellite monitoring service
- ✓ Software package
- ✓ Risk mapping
- ✓ Autonomous Surface Vehicles
- ✓ Action protocol
- ✓ Rapid-response integrated system



The Interreg Europe SATSDIFACTION Project

**Interreg
Europe**



Co-funded by
the European Union

SATSDIFACTION

Veneto Region * *IT*

NEREUS
(Advisory
partner) *BE*

**Podkarpackie
Region *** *PL*

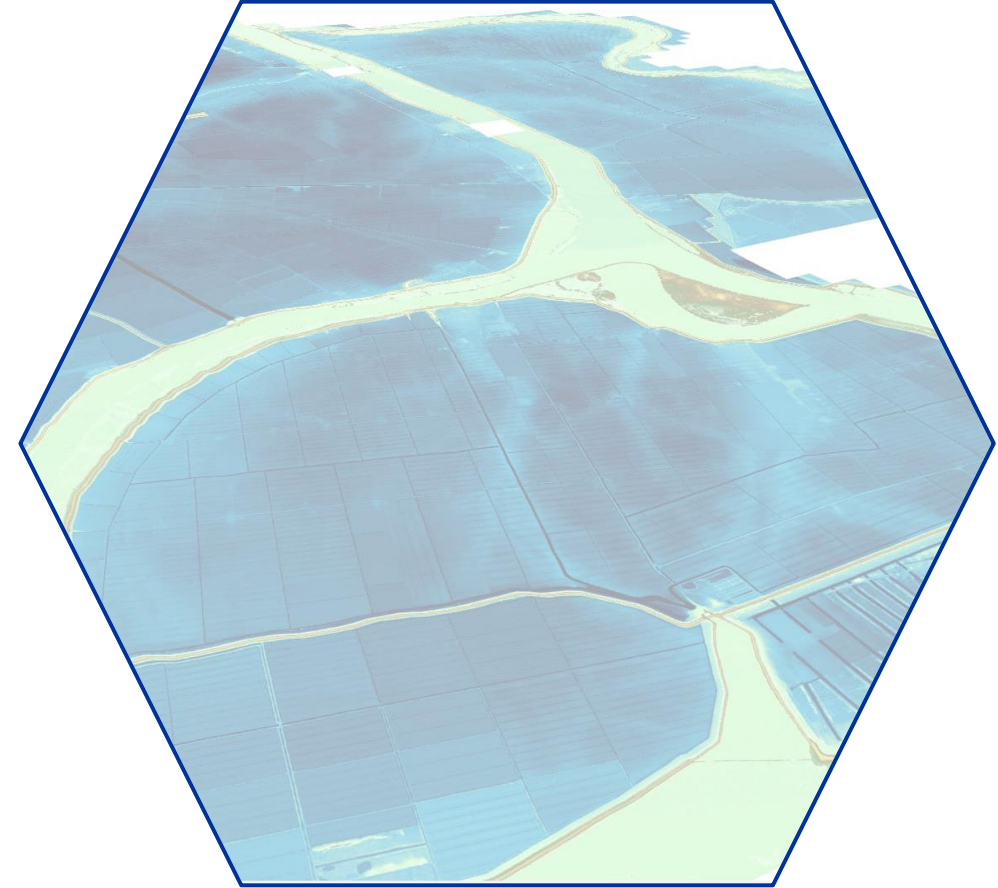
Azores Region * *PT*

Sviluppo
Basilicata
(Basilicata) * *IT*

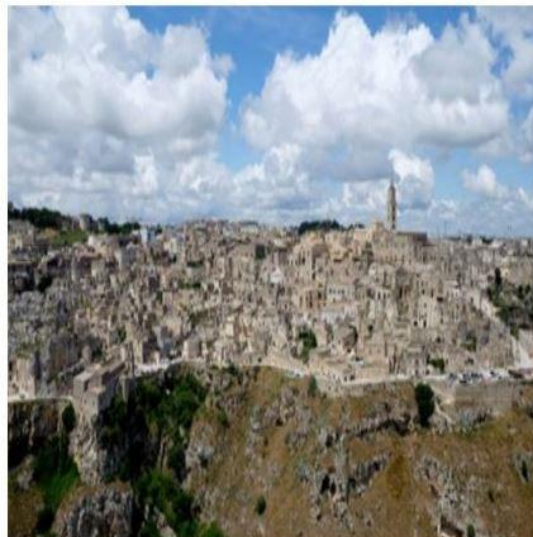
ISSeP (Wallonia
Region) * *BE*

Riga
Municipality *LV*

Occitanie
Region * *FR*



SAVE-THE-DATE
28-29 SEPTEMBER 2023, MATERA, BASILICATA REGION

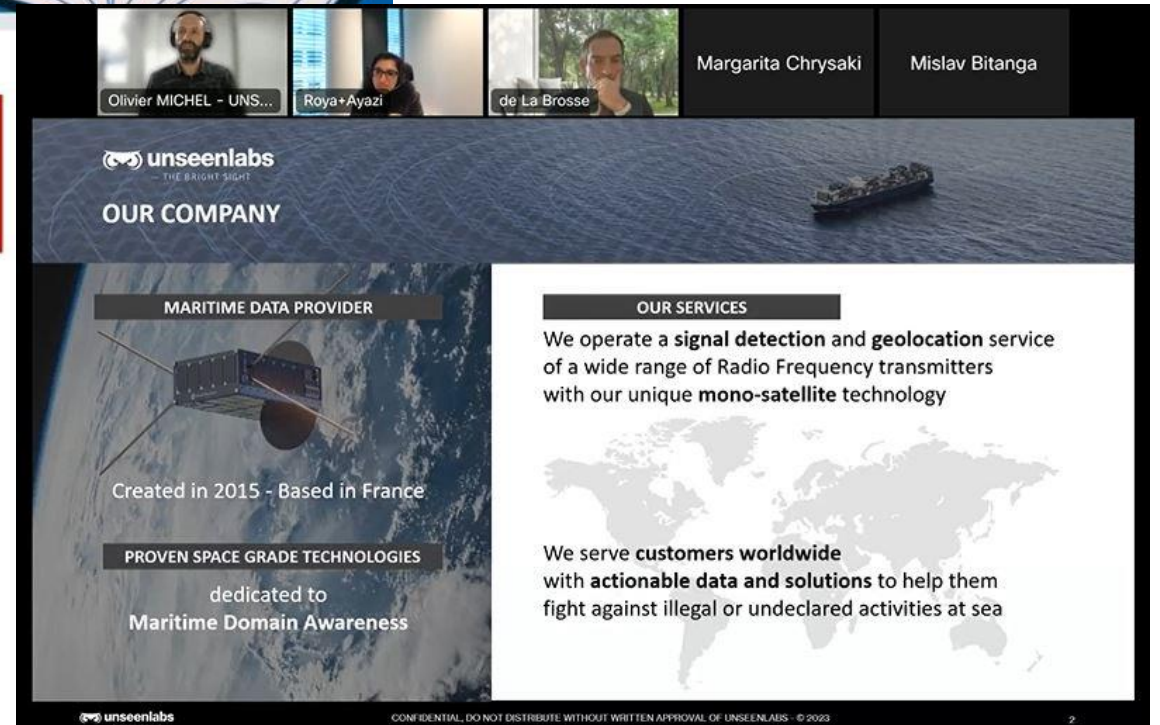


2ND EDITION EUROPEAN SYMPOSIUM BY NEREUS REGIONS
SPACE DATA FOR TOURISM & AGRICULTURE



RELEVANT OUTREACH TO SOCIETY AND NEXT GENERATION

Webinars on education/traini ng, safety/surity, tourism

unseenlabs
THE BRIGHT SIGHT
OUR COMPANY

Margarita Chrysaki Mislav Bitanga

Olivier MICHEL - UNS... Roya+Ayazi de La Brosse

MARITIME DATA PROVIDER

Created in 2015 - Based in France

PROVEN SPACE GRADE TECHNOLOGIES
dedicated to
Maritime Domain Awareness

OUR SERVICES

We operate a **signal detection** and **geolocation** service of a wide range of Radio Frequency transmitters with our unique **mono-satellite** technology

We serve **customers worldwide** with **actionable data and solutions** to help them fight against illegal or undeclared activities at sea

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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 portrays 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

Communication /outreach activities

NEREUS website



Hundreds visits per
day

Newsletter



Received by more
than 2000 registered
space groups



Over 2361 followers

THANK YOU!

www.nereus-regions.eu



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Network of European Regions Using Space