



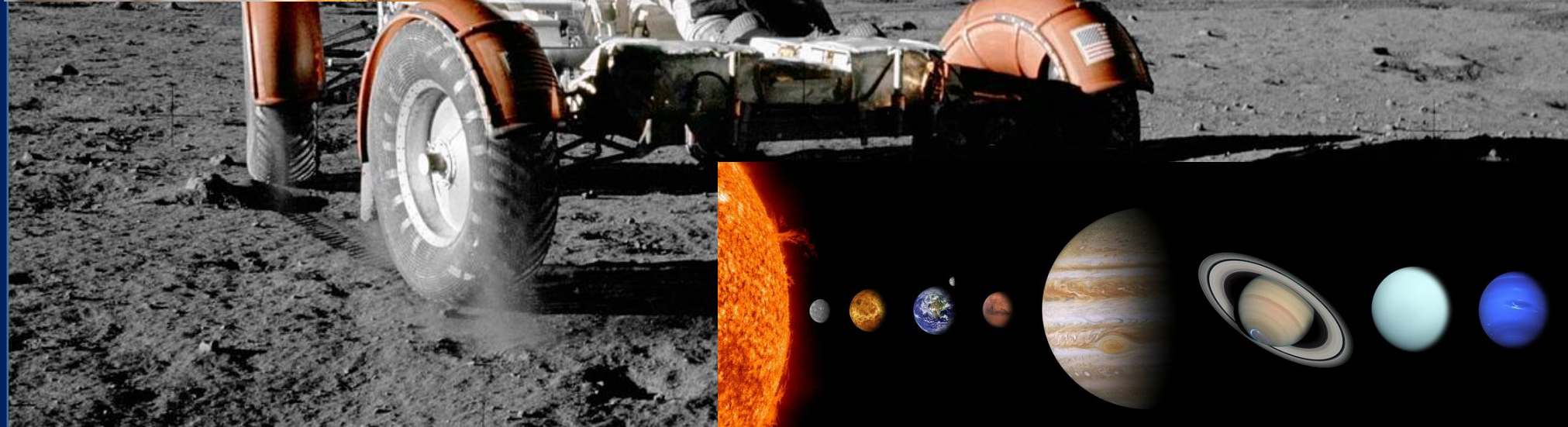
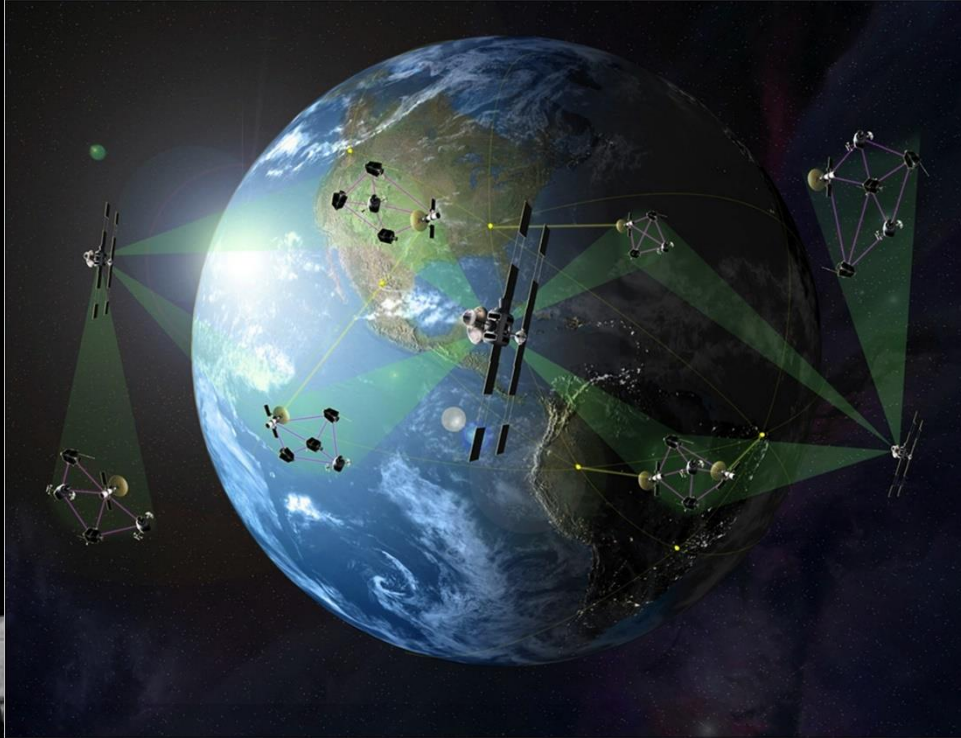
**Bringing
the benefits
of space uses
to regions
and their citizens**

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

**Margarita Chrysaiki, NEREUS Communication/Project
Officer**



What is
Space for
you?





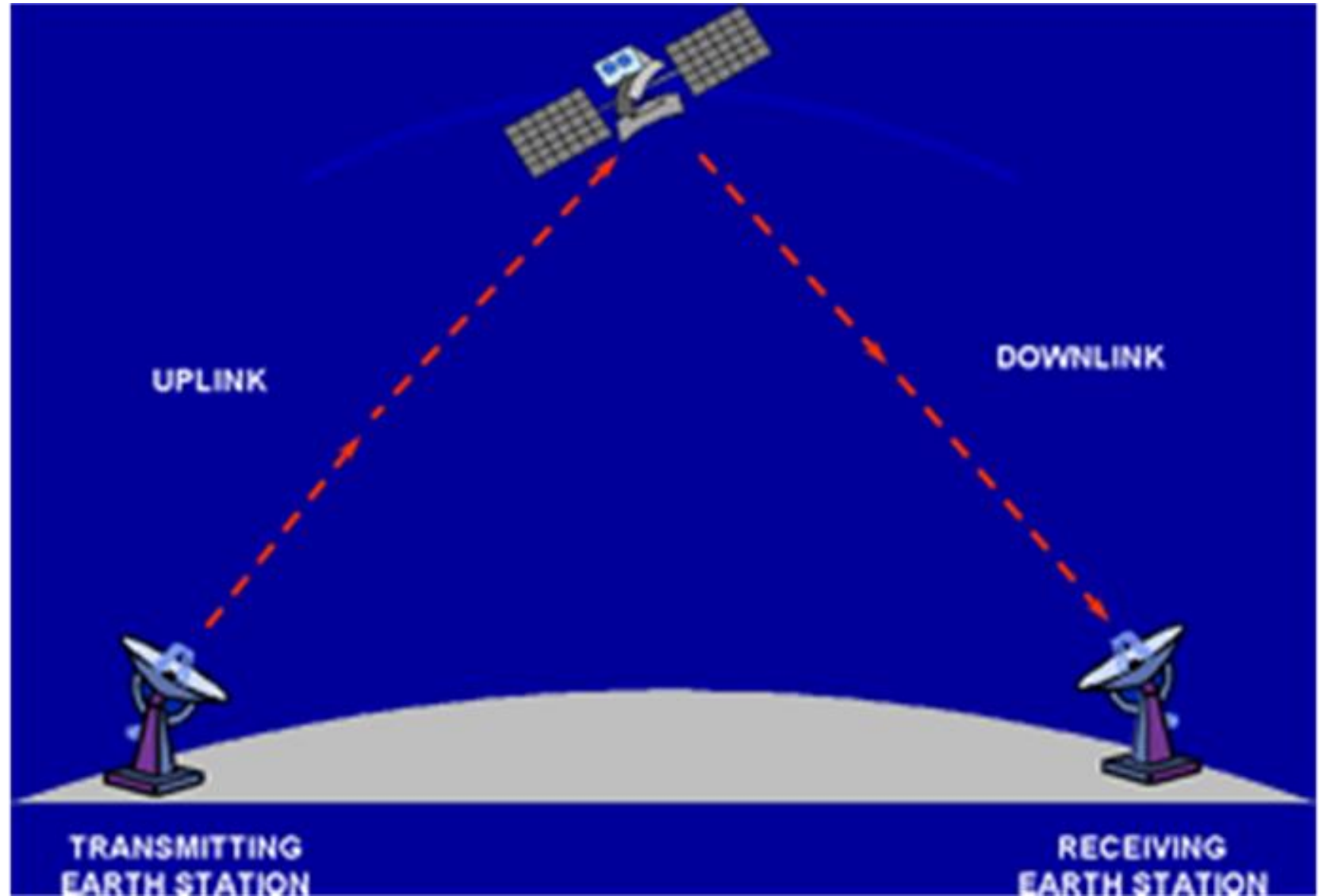
The use of Space



NAVIGATION SOLUTIONS
POWERED BY EUROPE

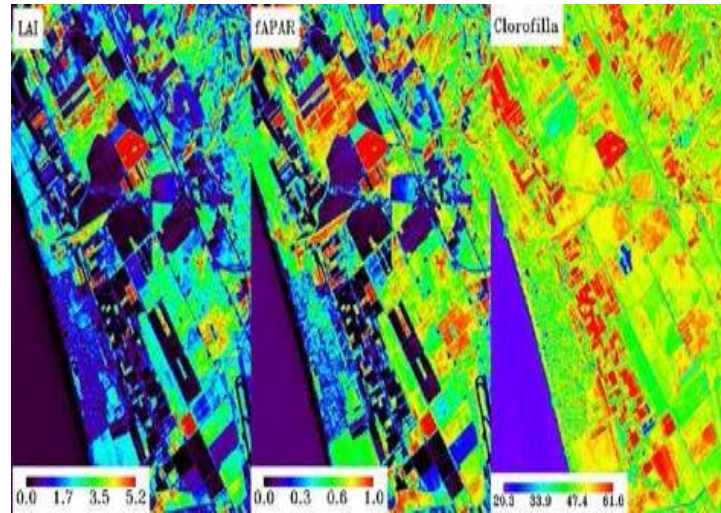


The use of Space



NEREUS is
about
Using Space

NEREUS is about Using Space



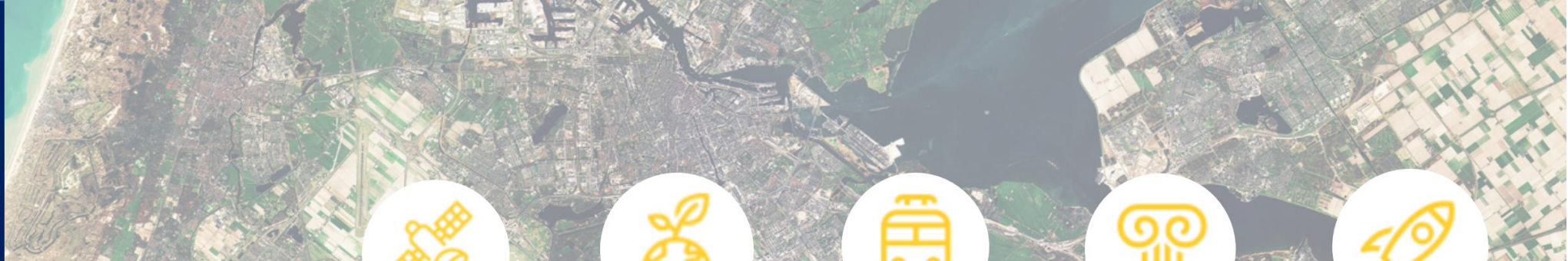
Data from satellite imagery



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**

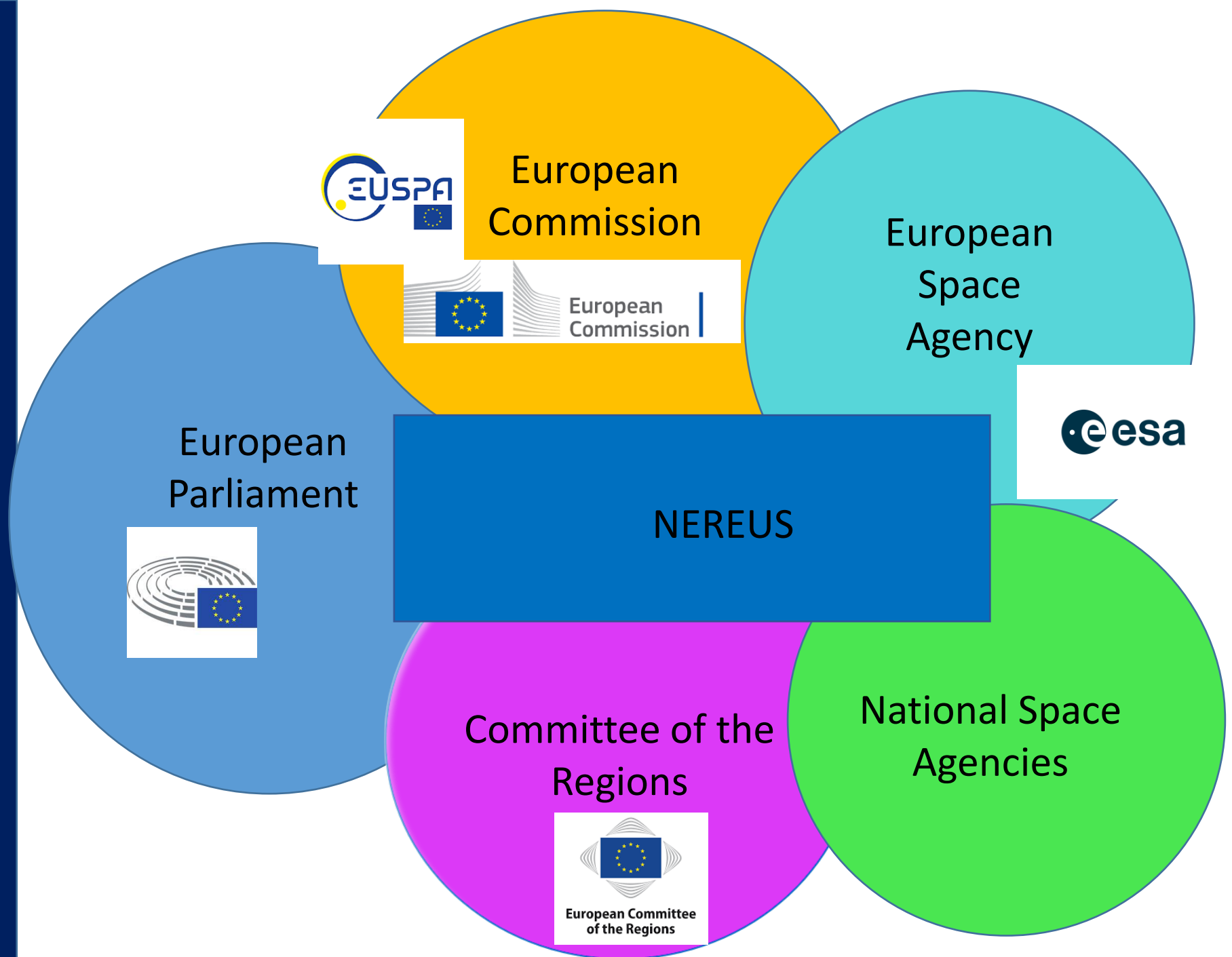


WHAT DOES NEREUS OFFER ITS MEMBERS?

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

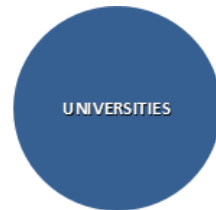
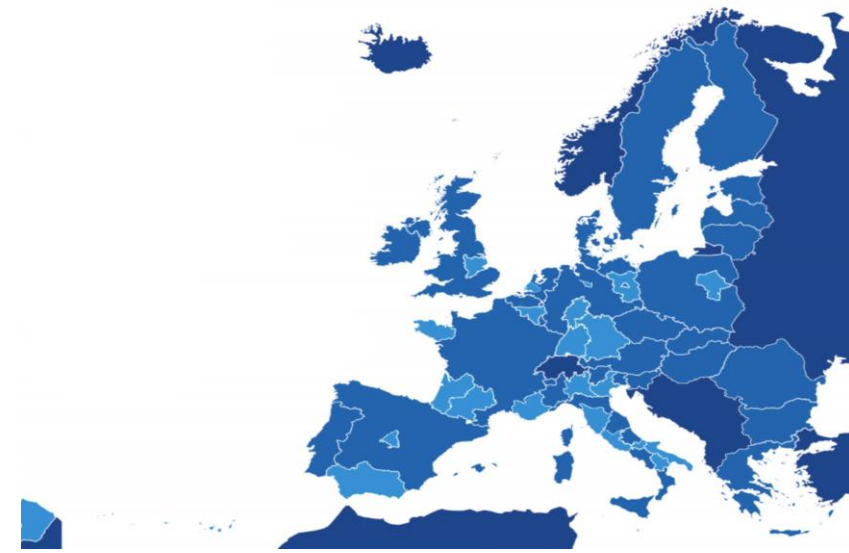
Strategic Partners





NEREUS pillars of action

NEREUS-Regions



ADVOCACY/POLITICAL
DIALOGUE

INTERREGIONAL
COLLABORATIONS and
PARTNERSHIPS

TECHNOLOGICAL
TRENDS/
PUBLIC
OUTREACH



NEREUS- Membership

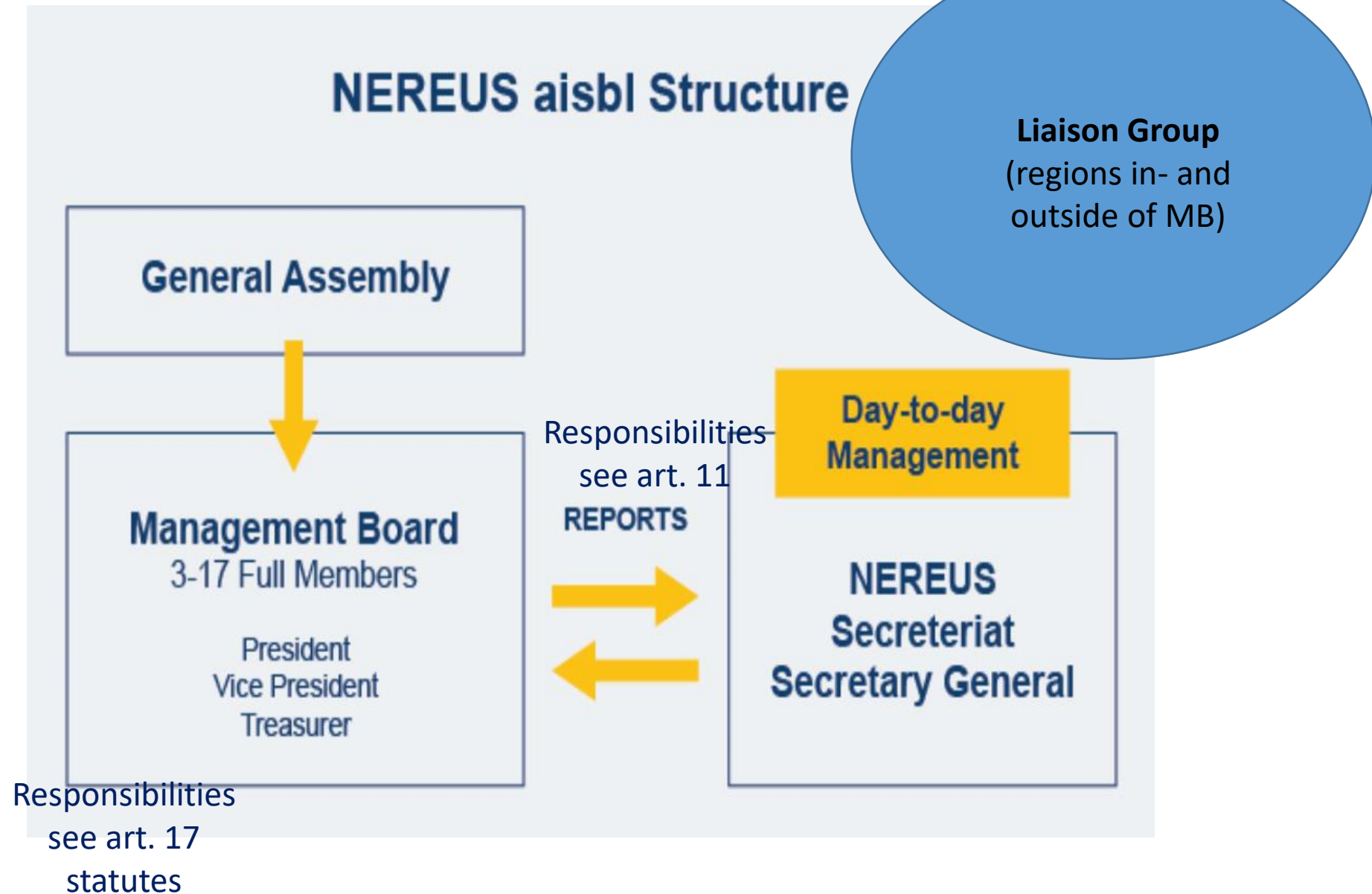
MEMBER REGIONS (Full members)



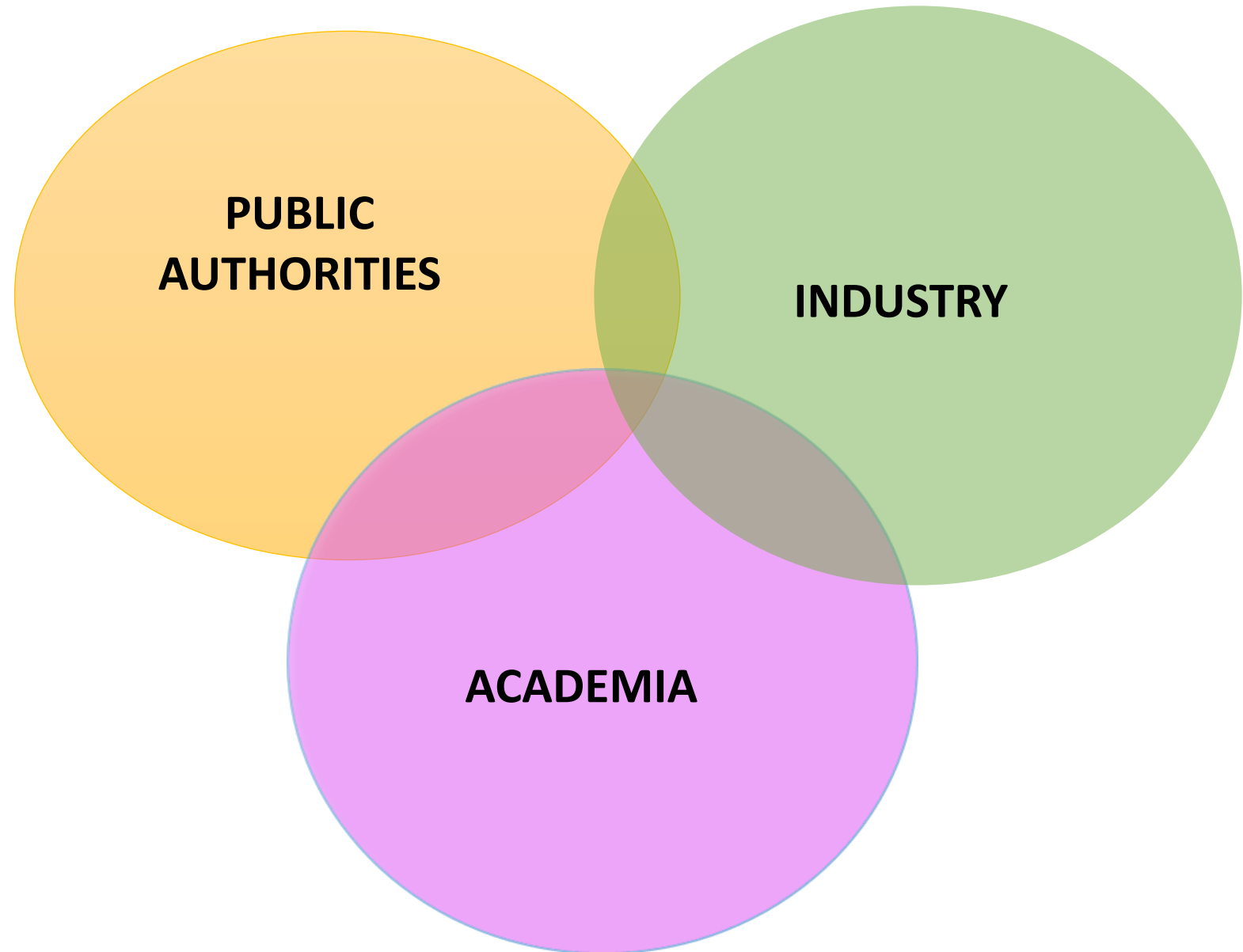
Associate Members

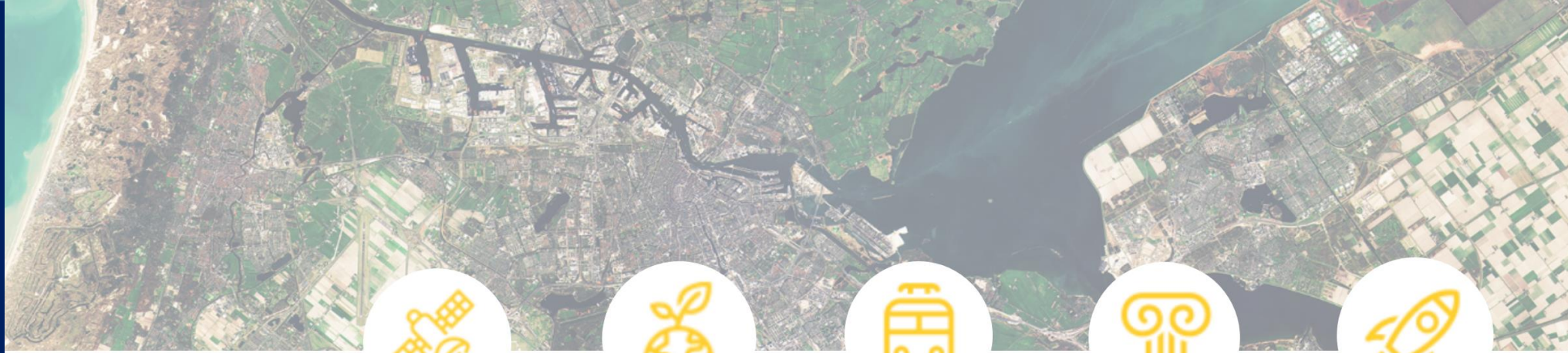


NEREUS Structure



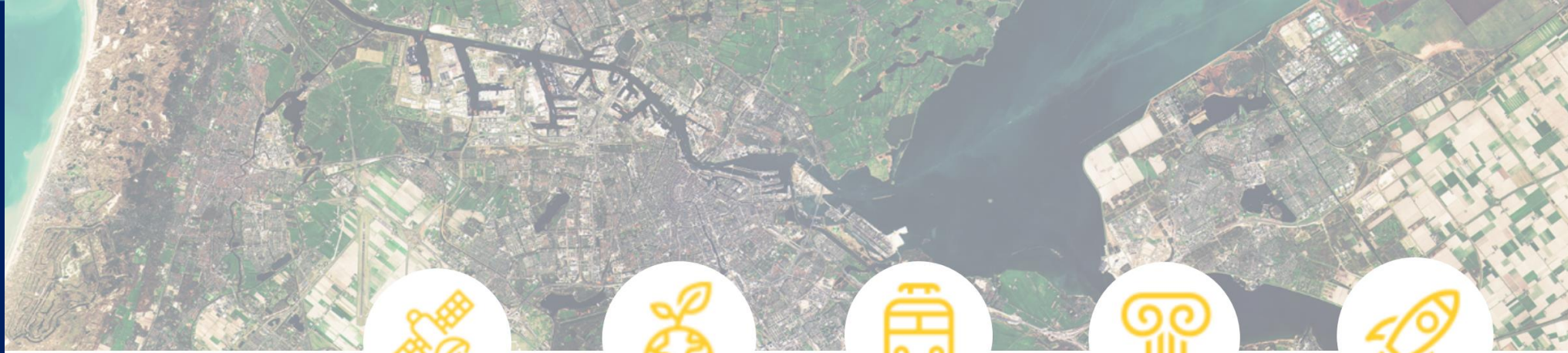
**Triple helix
model:
UNIVERSITIES
A KEY PARTNER
FOR NEREUS**





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

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

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)...



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

Education/training
project

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

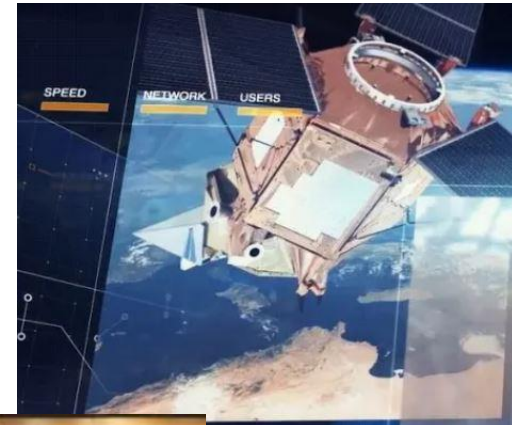
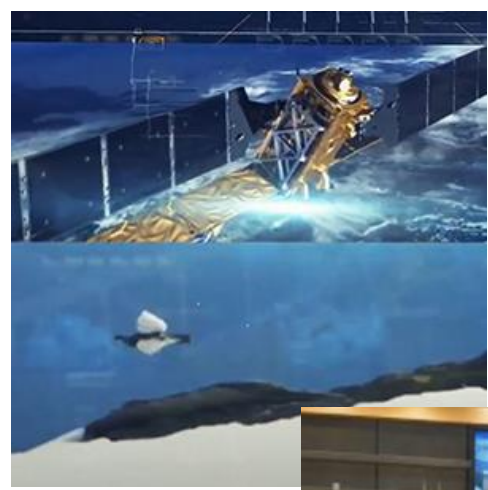


NEREUS is a member of the Advisory Board





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 Copernicus is increasingly being used to find solutions to a challenges, as it is showcased within many Copernicus4Regions

- "Using the Sentinel images to update our glaciers' maps database has not only improved our data but also predict. Magda Galbraith, General Director, National Land Survey of (Keeping Track of retreating glaciers in Iceland - p.158)
- "This application has transformed the way we manage the part of Svalbard Marshes for Biodiversity and conservation issues." Anders Selvaag, Commisair de l'Environnement de la Basse de la Mer du Nord (Wildland functional assessment - p.142)
- "Copernicus aids daily decision making activities, minimizing the implications of environmental threats." Jorge Ortiz (SEM Regia de Coimbra) Nuno Martins (SEM Viseu - Ca Lafog) (Emergency mapping and protection - p.200)
- "The use of Copernicus Sentinel 2 has transformed monitoring of Antares. Ruben, San (Coastal Sentinel Data for (Prevalent decay in Marocco using Sentinel-2 imagery - p.194)



99 User stories | 72 Regions of Application | 177 Authorities



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



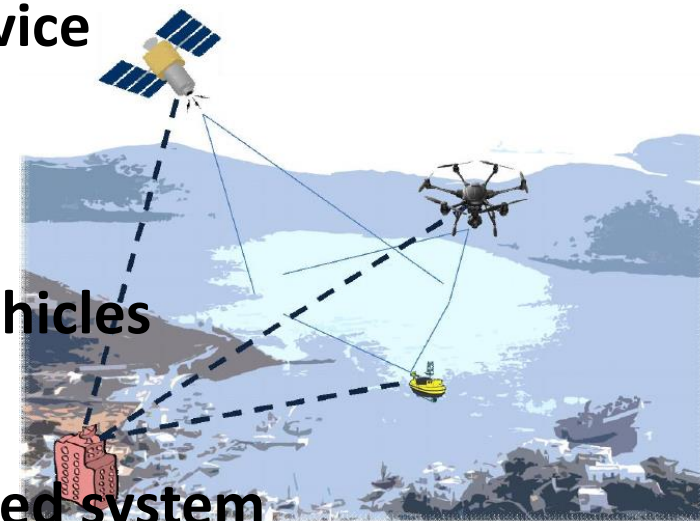
IMPRESSIVE:
Tackling
marine
pollution
events in the
EU ports



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

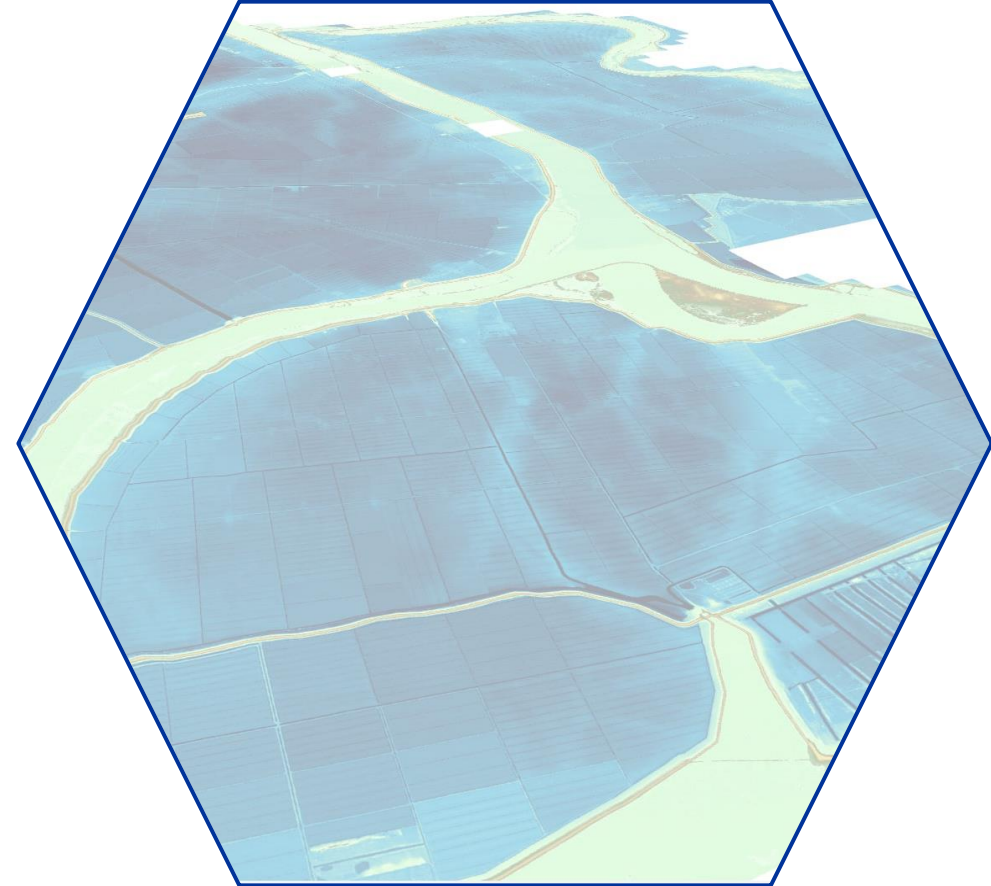
**Interreg
Europe**



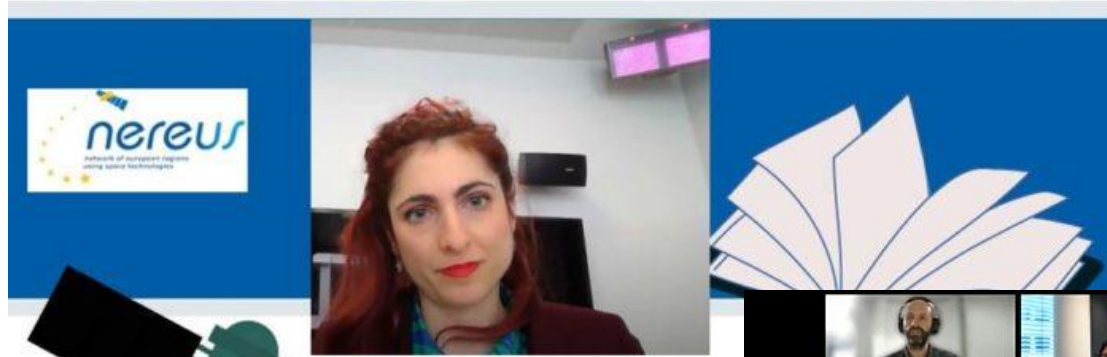
Co-funded by
the European Union

SATSDIFACTION

Veneto Region *	<i>IT</i>
NEREUS (Advisory partner)	<i>BE</i>
Podkarpackie Region *	<i>PL</i>
Azores Region *	<i>PT</i>
Sviluppo Basilicata (Basilicata) *	<i>IT</i>
ISSeP (Wallonia Region) *	<i>BE</i>
Riga Municipality	<i>LV</i>
Occitanie Region *	<i>FR</i>



RELEVANT OUTREACH TO SOCIETY AND NEXT GENERATION



Video call participants: Olivier MICHEL - UNS..., Roya+Ayazi, de La Brosse, Margarita Chrysaki, Mislav Bitanga

unseenlabs
THE BRIGHT SIGHT
OUR COMPANY

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'Espece, 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

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