



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

– NEREUS - Presentation

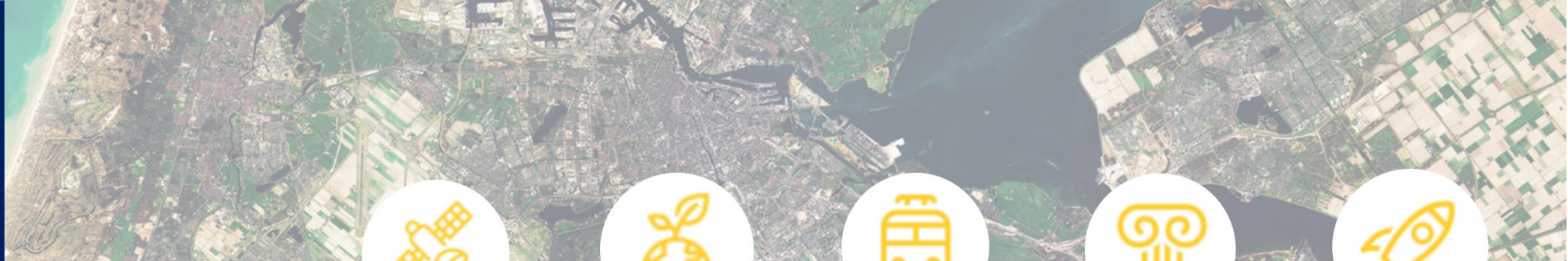
**By Roya Ayazi
Podkarpackie Innovation Forum
“Aviation and cosmonautics”
21th May 2019**



Advocacy/POLITICAL DIALOGUE

INTERREGIONAL COLLABORATIONS and Partnerships

New Trends/ PUBLIC OUTREACH



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**

Signature of Political Charta in 2017



Regional Authorities can give a significant contribution to space policy, in the creation of new services for the benefit of citizens and exploiting new emerging markets, in particular for their capability to ensure an active participation of the different economic and social actors within their territory.



NEREUS POLITICAL CHARTER

CHARTER ON THE CREATION AND THE IMPLEMENTATION OF NEREUS, THE NETWORK OF EUROPEAN REGIONS USING SPACE TECHNOLOGIES

PREAMBLE

Space Technologies play a key role in Europe in supporting the enlarged Union to achieve its main objectives to increase economic growth, industrial competitiveness and job creation, enhance scientific research and innovation, and promote greater social economic cohesion and sustainable development.

We are now entering a new era of space technologies, where one aim is to develop and improve operational systems. The increase of European capabilities in telecommunications, earth observation and satellite navigation, timing and positioning will boost applications, opening new markets that will be very significant on the world trade scene, with large economic and social benefits.

The European Commission's White Paper on Space "A New European Frontier for an Expanding Union" (2003) called for an extended space policy orientated to users' needs, able to put space technologies and entrepreneurial skills at the service of the enlarged Union and of its citizens. Both, GMES Conferences in Graz on April 2006 and in Munich on April 2007 have highlighted the importance of the creation of a European network at the regional level on space technologies. On 26 April 2007, the European Commission issued its first European Space Policy (COM (2007) 212 final), which was welcomed by the Space and Competitiveness Council on 22 May 2007 in Brussels, affirming that "Space is a lead market in which public authorities can create conditions for industry-led innovation". Furthermore, the June 2007 European Council mandate to

- The regions contribute significantly to the creation and support of clusters and competitiveness zones that bring together manufacturers (also SMEs), higher education institutes and scientific research. They play a major role in the processes of innovation and technology transfer.

- The regions host the installation, development and maintenance of space infrastructure concerning launchers, satellite integration, equipment and software and, in general, "ground segment" infrastructure.

The representatives of the European Regions adopt this resolution on the founding principles and aims of the Association of European Regions, named NEREUS – Network of European REgions Using Space technologies.

1 - SCOPE OF COOPERATION

- To introduce the regional level into the elaboration and development of European space programmes and activities linked to infrastructure and applications.

- To promote and implement partnerships, to foster trans-national and crossborder cooperative schemes between European regions, in order to develop common or complementary assets and approaches, including preparation of recommendations for common projects and initiatives.



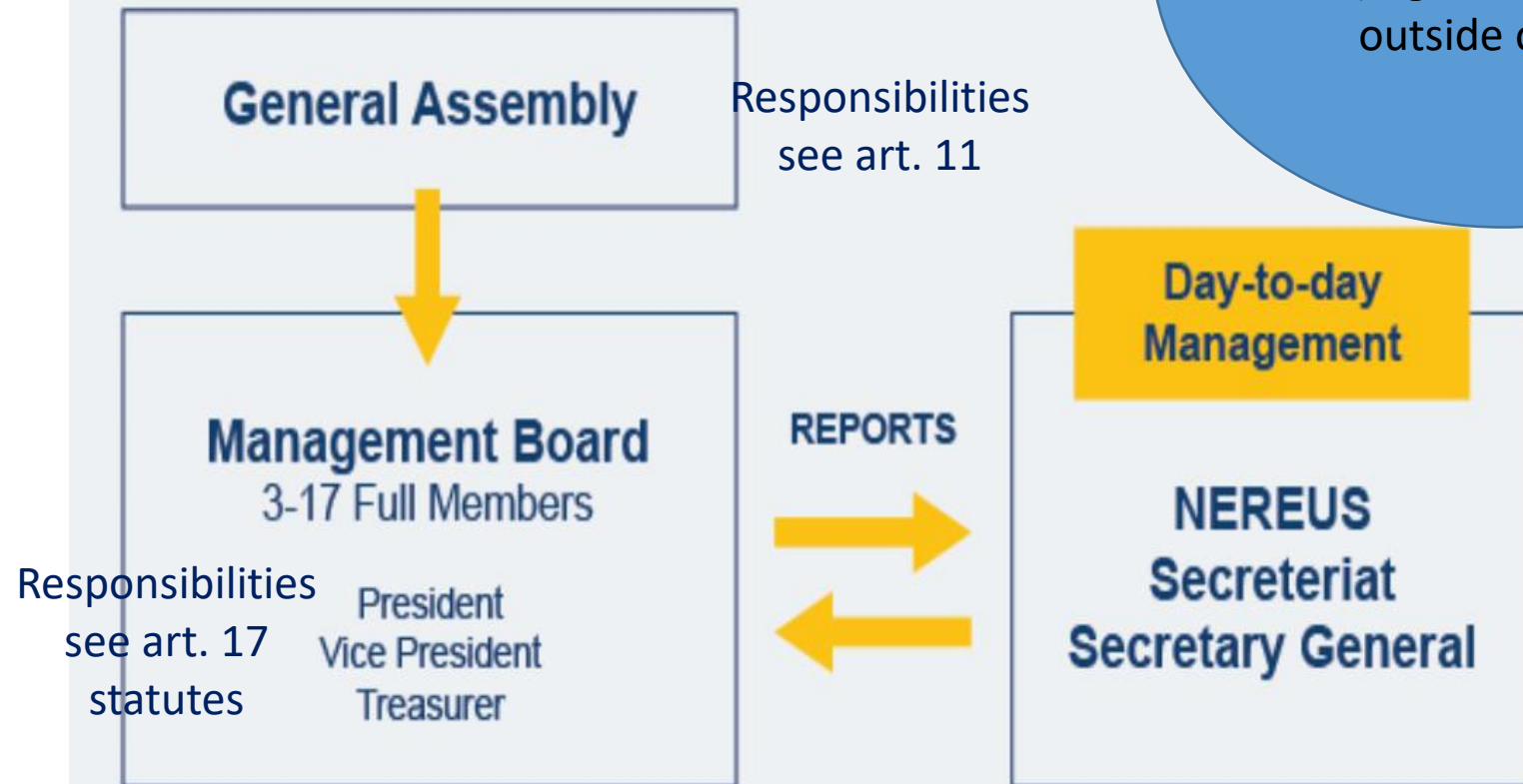
Festive Event
November
2017



NEREUS 10 Years
Anniversary
Of Political Charta

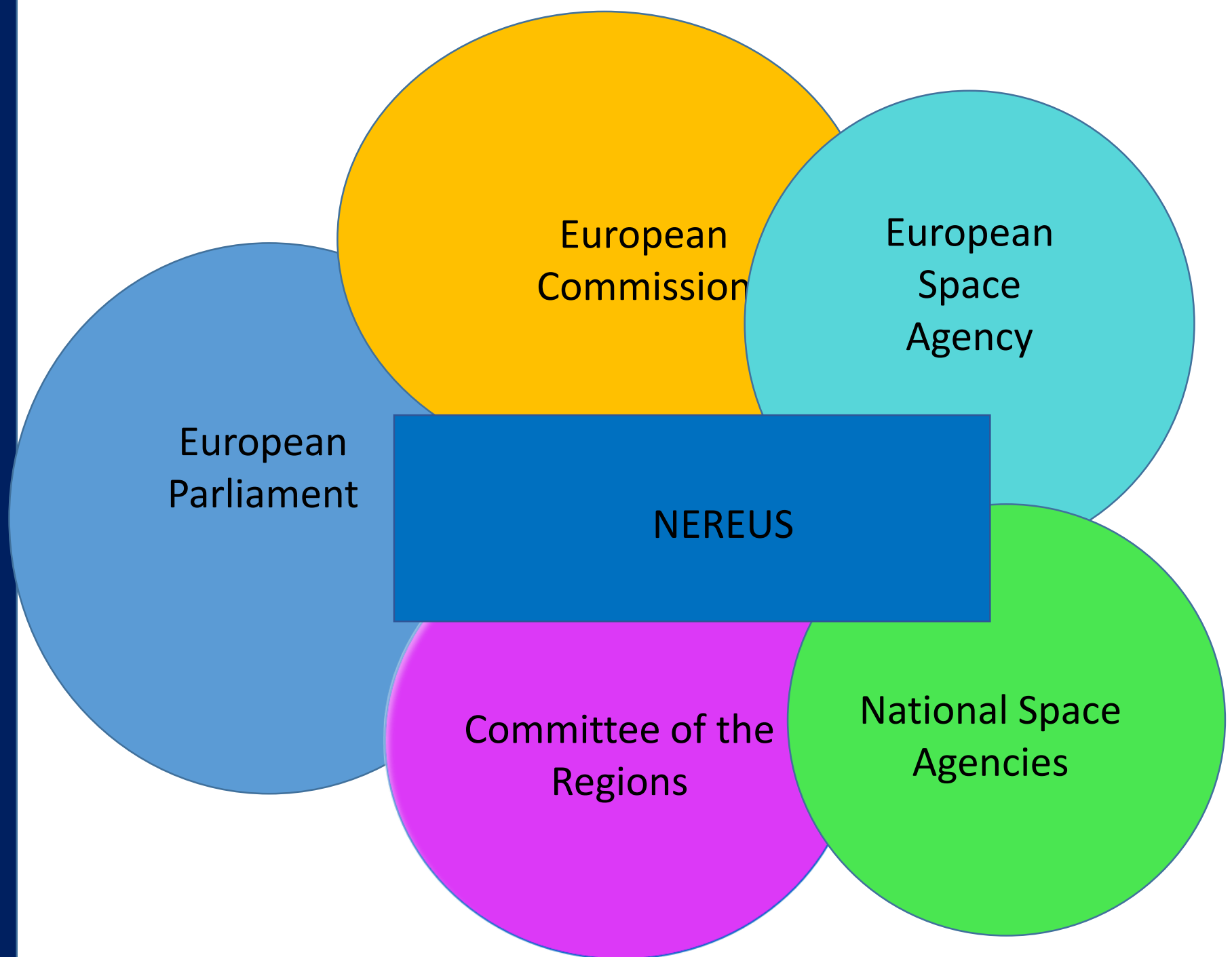


NEREUS aisbl Structure



Brussels-based Working Group
(regions in- and outside of MB)

Strategic Partners



Political Dialogue -1-

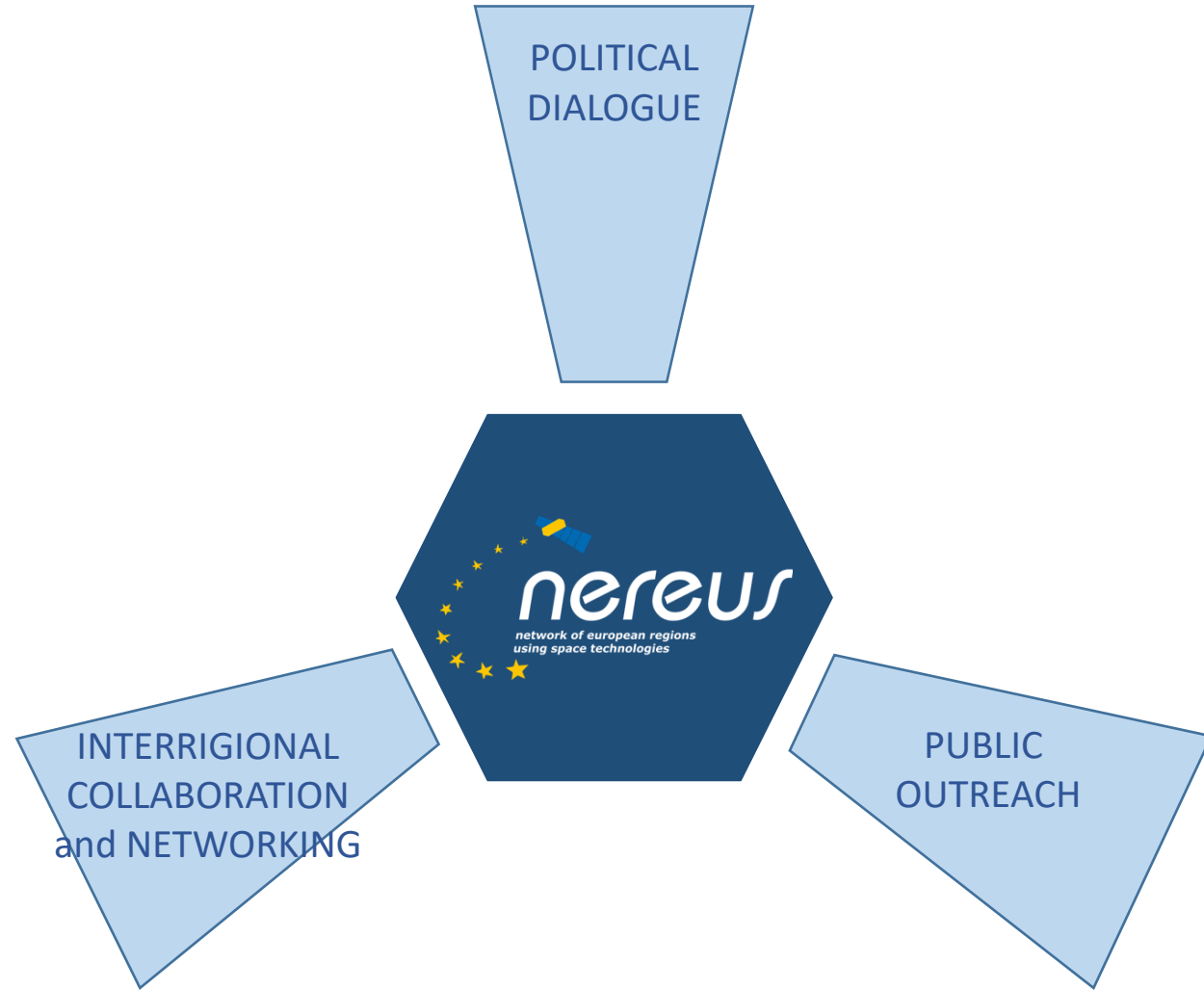
- Strengthened/intensified relations with strategic partners (European Commission, European Parliament, Committee of the Regions, European Space Agency (ESA))
- Strengthened regions' visibility as an active space player
- Monitoring relevant EU policy developments and advocating towards the European institutions
- Strengthened NEREUS's role as voice of European regions and point of reference on matters of space uses

Political Dialogue -2-

- NEREUS is a recognized interlocutor at EU- and national level
- The regional dimension is increasingly taken into consideration when shaping and discussing space policies ⇒ e.g. European Space Strategy
- NEREUS is increasingly valued as a cooperation and project partner
- NEREUS is invited to relevant EU/ESA-expert groups and events in order to represent the perspective of regions

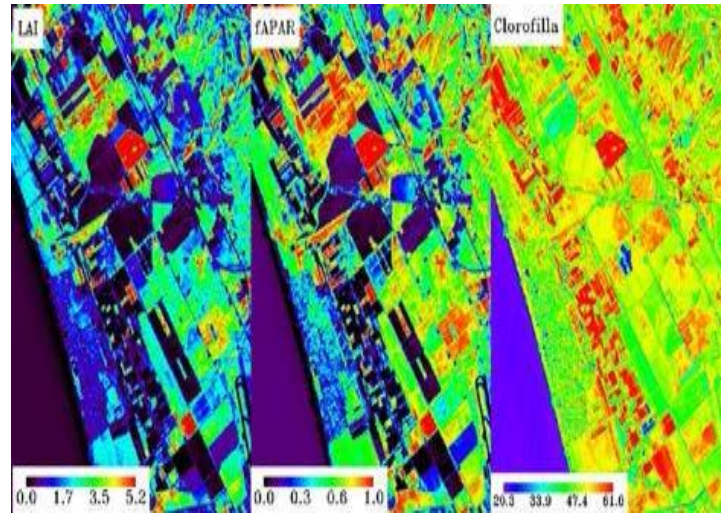
How do we work?

3 pillars



NEREUS is
about
Using Space

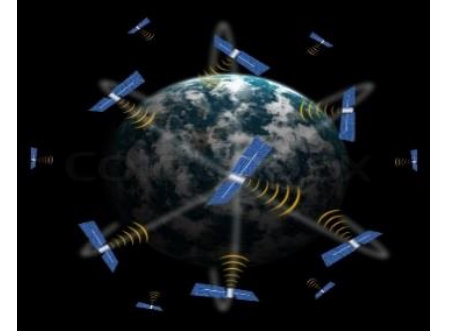
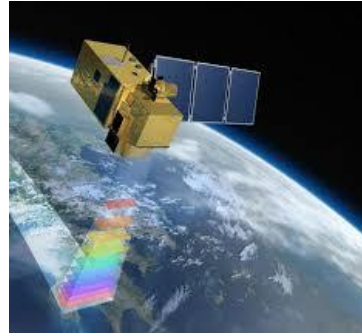
NEREUS is about Using Space



Data from satellite imagery



Useful Information for
people, companies and
organisations

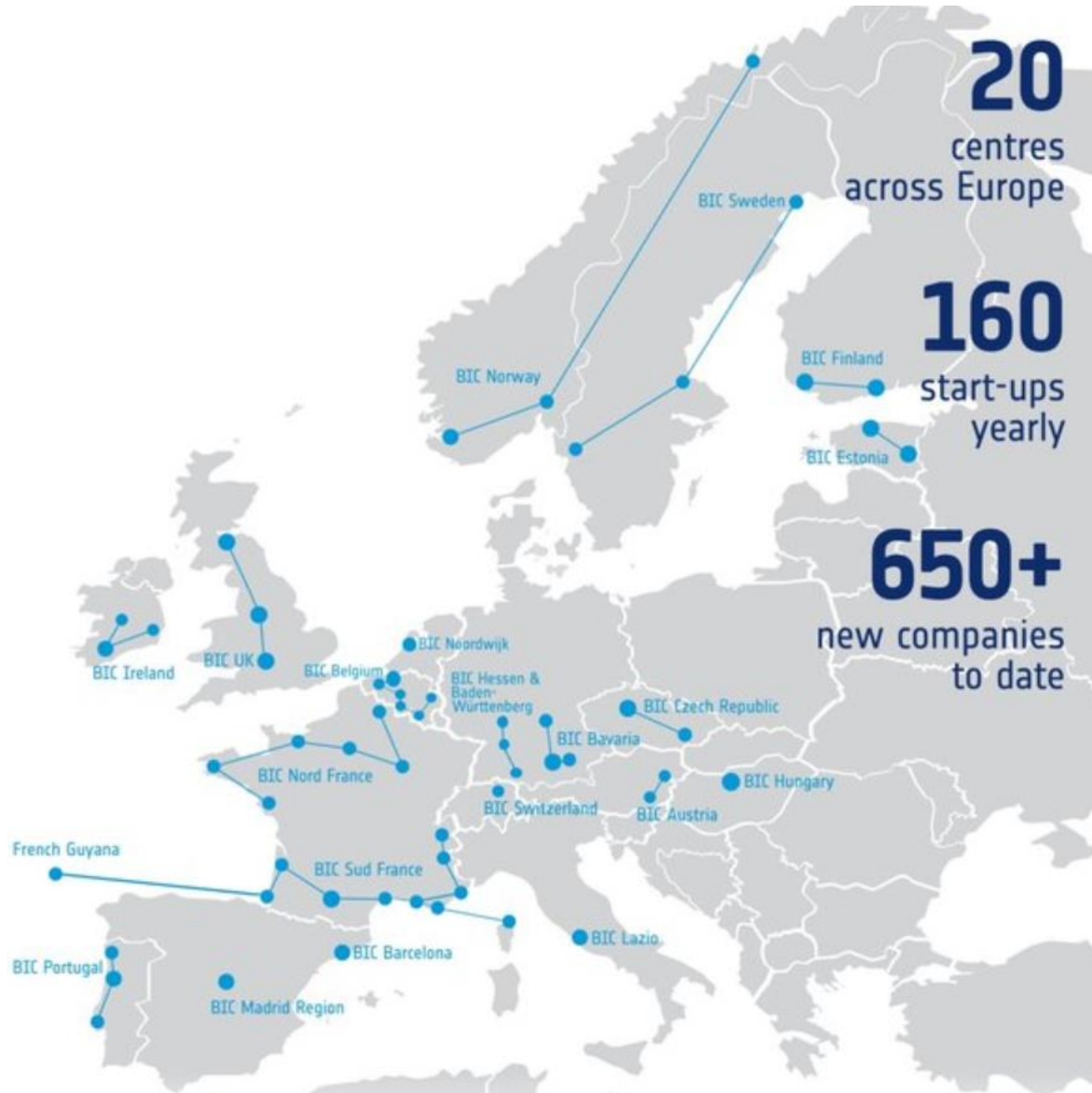


Space Technologies and Territorial Challenges



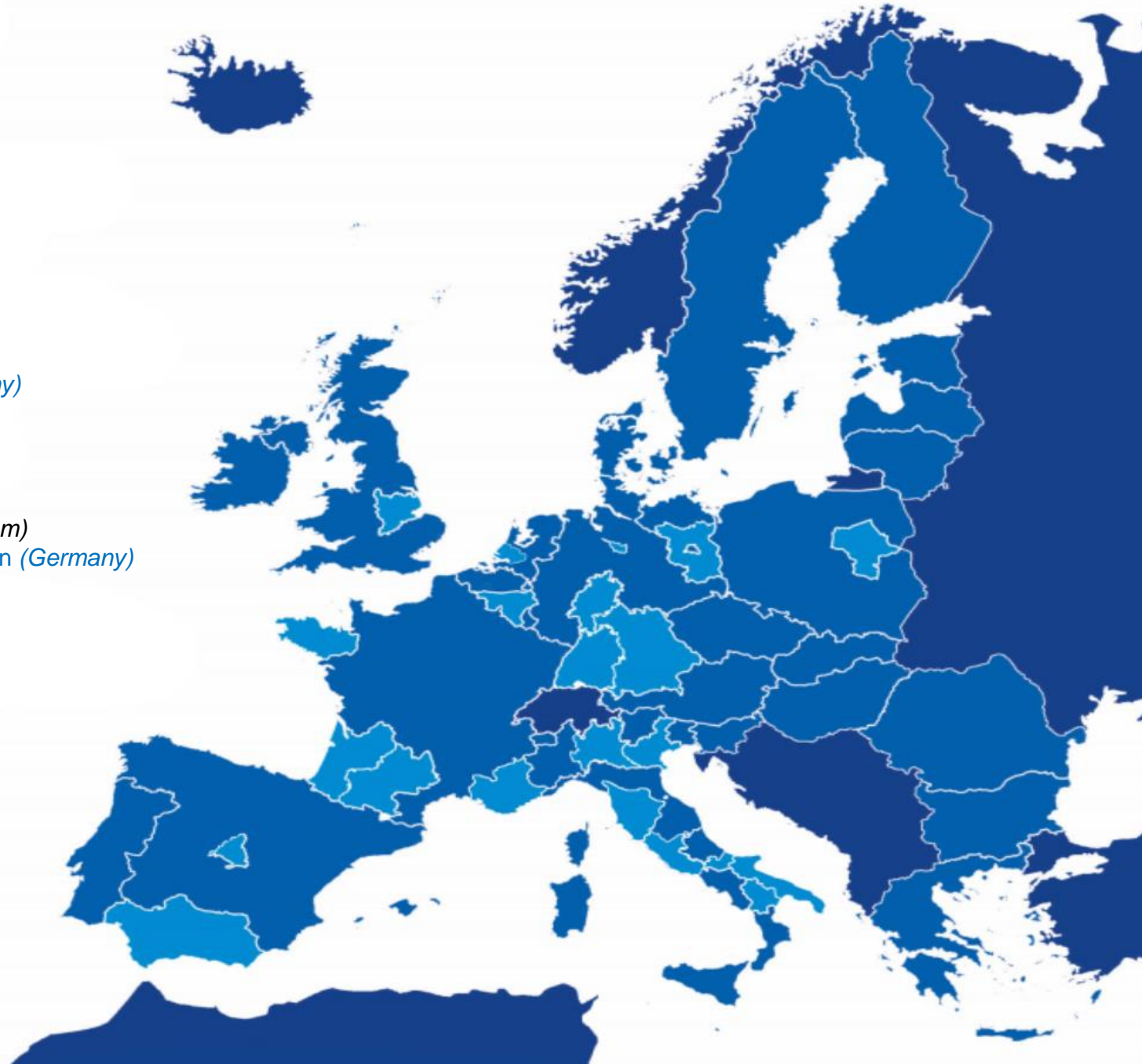


ESA_BIC Network



MEMBER REGIONS

Abruzzo (*Italy*)
Andalusia (*Spain*)
Apulia (*Italy*)
Azores (*Portugal*)
Baden-Württemberg (*Germany*)
Basilicata (*Italy*)
Bavaria (*Germany*)
Brandenburg (*Germany*)
Brittany (*France*)
East Midlands (*United Kingdom*)
Free Hanseatic City of Bremen (*Germany*)
French Guiana (*France*)
Hesse (*Germany*)
Occitanie (*France*)
Lazio (*Italy*)
Lombardy (*Italy*)
Madrid (*Spain*)
Mazovia (*Poland*)
Nouvelle Aquitaine (*France*)
Piedmont (*Italy*)
Podkarpackie (*Poland*)
Provence-Alpes-Côte d'Azur
PACA (*France*)
South Holland (*Netherlands*)
Tuscany (*Italy*)
Veneto (*Italy*)
Wallonia (*Belgium*)





NEREUS- Membership

ASSOCIATE MEMBERS

ASI – Agenzia Spaziale Italiana (Lazio)
[AIPAS – Associazione delle imprese per le attività spaziali \(Lazio\)](#)
Airbus Defence and Space (Occitania)
[ALTEC SpA \(Piedmont\)](#)
AvioSpace (Piedmont)
[OHB Italia SpA \(Lombardy\)](#)
CEREMA – Centre d’Etudes et d’Expertise sur les Risques,
’Environnement, la Mobilité et l’Aménagement (Occitania)
[Centre National d’Etudes Spatiales, CNES \(Occitania\)](#)
Instituto de Investigacao em Vulcanologia e Avaliacao de Riscos,
IVAR (Azores)
[Centro Interdipartimentale Studi e Attività Spaziali, CISAS, «G.
Colombo» \(Veneto\)](#)
Cité de l’Espace (Occitania)
[Conftrasporto - Confcommercio Imprese per l’Italia](#)
Consorzio per la Gestione di Coordinamento delle Attività di
[Ricerca Inerenti il Sistema Lagunare di Venezia, CORILA \(Veneto\)](#)
Consorzio per le Tecnologie per le Osservazioni della Terra e dei
Rischi Naturali, TeRN (Basilicata)
Distretto Aerospaziale Sardegna (Sardinia)
[EDISOFT SA \(Azores\)](#)

EURAC European Research Academy (South Tyrol)
[FEUGA \(Galicia\)](#)
FFG, Austrian Research Promotion Agency (City of Vienna)
[Geoville Information Systems \(Innsbruck\)](#)
GIS Bretagne Télédétection (BreTel) (Brittany)
[Institute for Electromagnetic Sensing of the Environment, IREA
CNR UOS, Milan \(Lombardy\)](#)
Interbalkan Environment Center, i-BEC (Lagadas)
[Observatoire Midi-Pyrénées \(Occitania\)](#)
Pole Mer Bretagne (Brittany)
[Politecnico di Milano, B.E.S.T. Department \(Lombardy\)](#)
Politecnico di Torino (Piedmont)
[Società Aerospaziale Mediterranea, SAM \(Campania\)](#)
SES SA (Luxembourg)
[SPACETEC Partners \(Brussels\)](#)
Spanish Association of Telecommunication Engineers,
AEIT (Madrid)
[TECHNAPOLI \(Campania\)](#)
Thales Alenia Space Toscana Spazio (Tuscany)
[University of Bologna \(Emilia Romagna\)](#)
University of Turin (Piedmont)

Added value
of
Interregional
collaborations,
networking,
partnership
-1-

How can NEREUS and its platform support regions with their ESA-BIC endeavour?

- Building partnerships with other regions that have different levels of experience with ESA-BIC
- Learning from experiences of others
- Networking with industry partner from other regions
- NEREUS organizes info-sessions on relevant ESA/EU-programs

Added value of
interregional
collaborations,
networking,
partnership
-2-

- More than 8 NEREUS-regions are involved in ESA-BIC activities and host ESA-BICs in their territory
- NEREUS-Vice-president Bärbel Deisting is ESA-BIC ambassador for Germany
- Regions that are going to launch an ESA-BIC are interested to exchange and learn from the experiences of regions that host ESA-BICs
- Regions are interested to cooperate and network in the context of ESA-BIC

Example GA 2019

ESA-BIC Session during General Assembly 2019

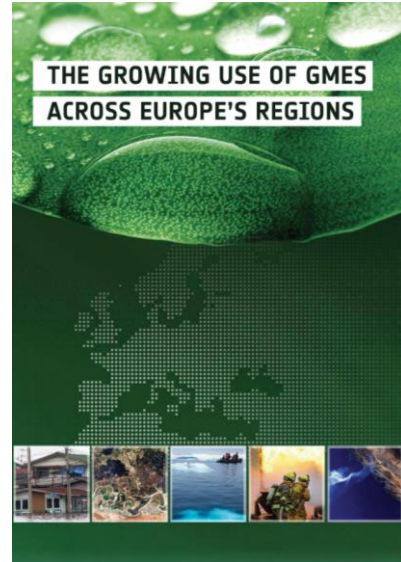
- ESA- German IAP Ambassador Bärbel Deisting (bavAIRia e.V.) (ESA's Integrated Applications Promotion (IAP) Programme)
- ESA-BIC France (Toulouse) by Jean-Claude Benech (CNES)
- ESA-BIC North France by Quentin Coulombier (Brittany Region)
- ESA-BIC Poland by representatives of Mazovia (Andrzej Perkowski) and Podkarpackie (Antoni Jez)
- ESA-BIC Madrid by Carlos Romero (Madrid)
- ESA-BIC ESA BIC Hessen & Baden-Württemberg by Perdita de Buhr (Hesse Region)
- ESA-BIC Belgium/Wallonia by Michel Stassart (Skywin)

Impulse presentations by

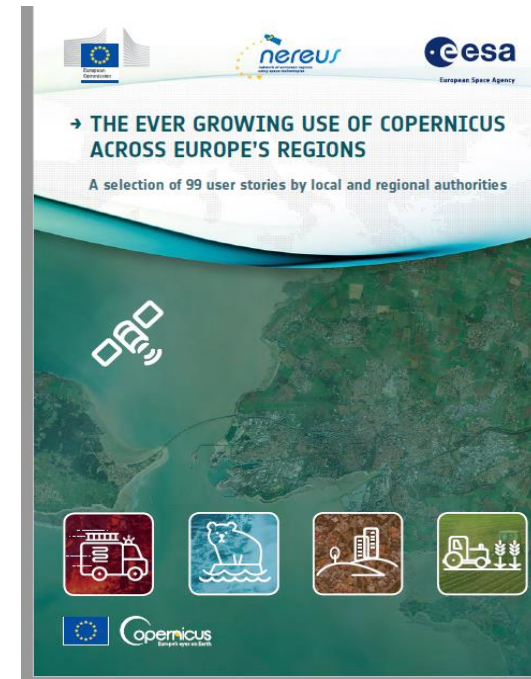
- South Holland “Setting up of the Noordwijk Space Campus” by Renate Beausoleil (South Holland)
- NEREUS-WG Technologies from Space Exploration by Laura Gatti (Thales Alenia)

Copernicus4 Regions

Longterm Partnership with ESA (EC) to promote EO/Copernicus at regional level

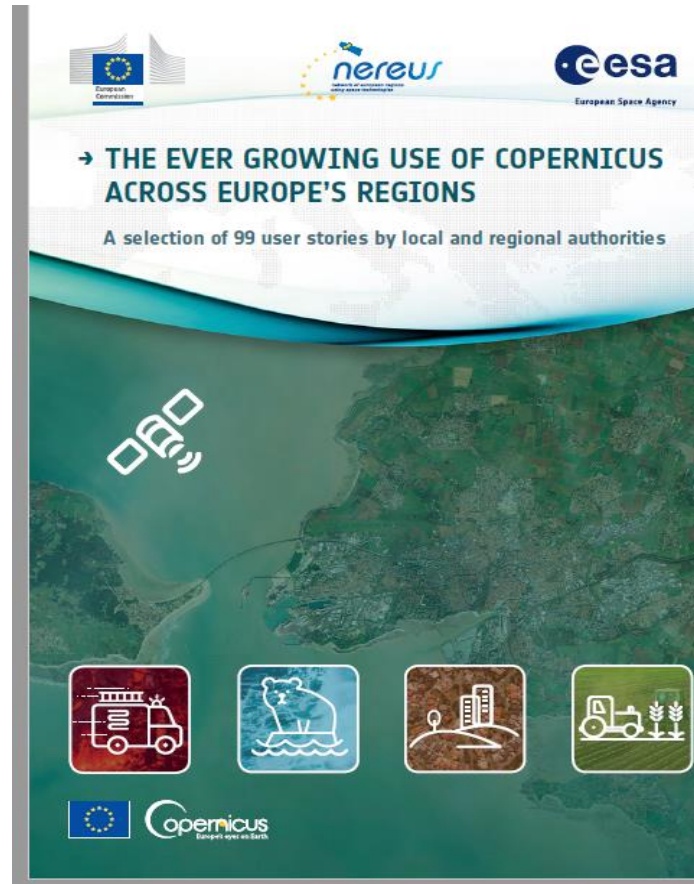


ESA-1



ESA-3

New Collection



5 Videos of
User-Stories

Developing new
communication/
promotion tools

EP-Event

Regional Workshop on 15th/16th March
2018 in Turin/Piedmont on
**„Commercialization and Utilization of
Space Exploration Technologies“**



Regional Workshop/matchmaking events
in the WATIFY-Scheme on 16th May 2018
in Alberese, Grosseto (Tuscany) on **„What
can Earth observation do for Sustainable
Precision Agriculture?“**

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



SAVE THE DATE | June 6-7 2019

Copernicus Marine for Outermost and Maritime Regions

In Azores, Faial Island, Horta city



#CMEMS4OR

Deadline to register: May 15, 2019

THANK YOU!

www.nererus-regions.eu



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Network of European Regions Using Space