



Bringing
the benefits
of space uses
to regions
and their citizens



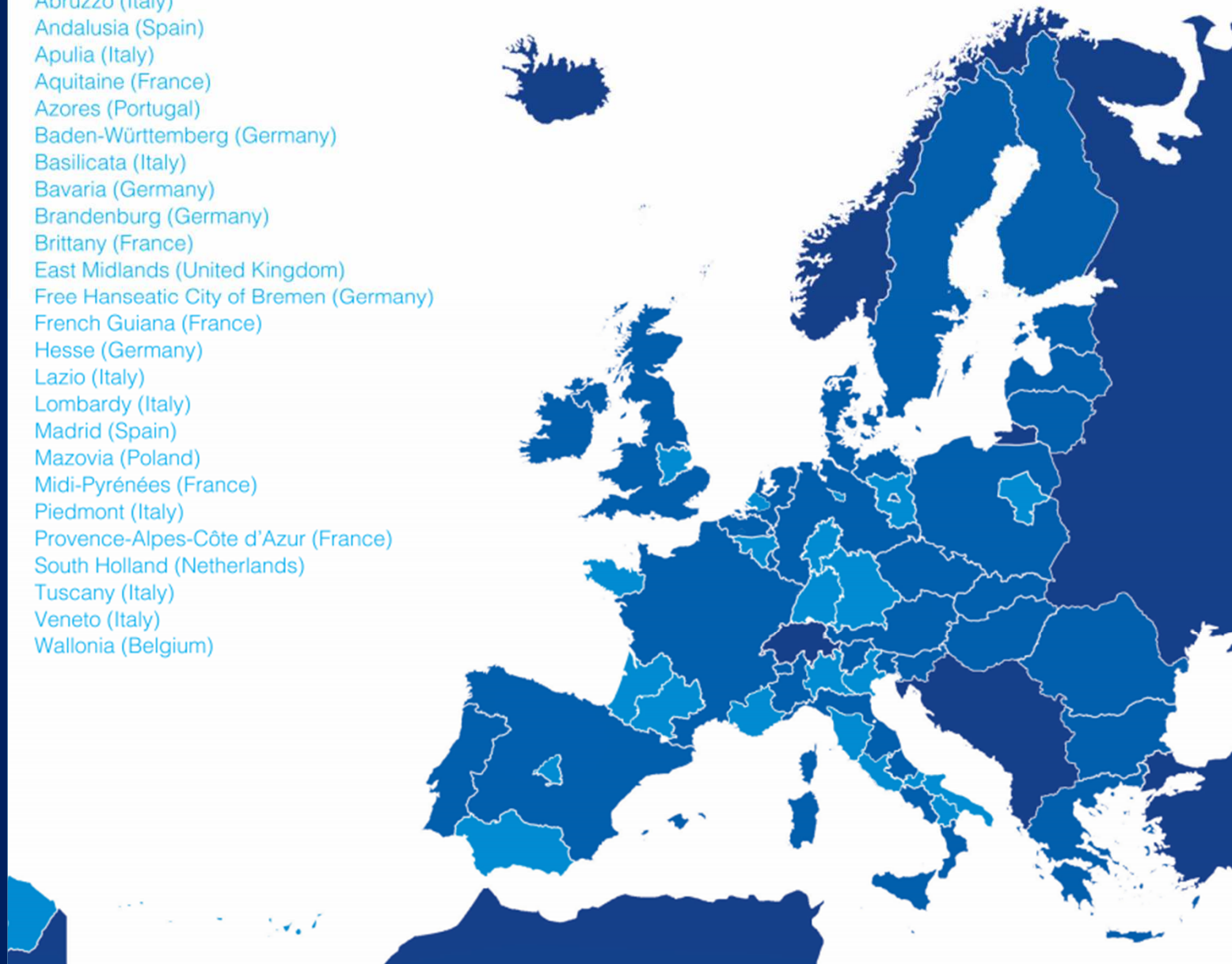
Mapping Horizon 2020 and ESIF priorities across Europe by Roya Ayazi

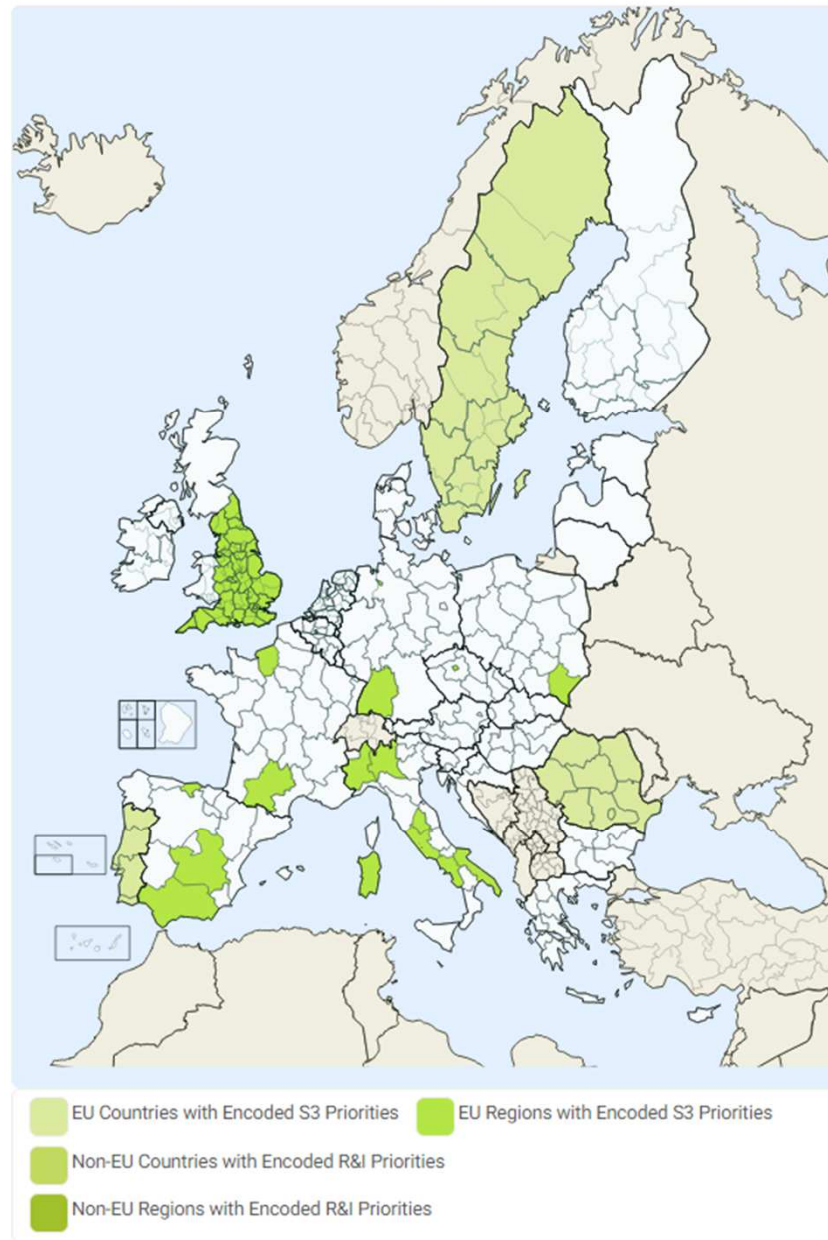
NEREUS

Network of European Regions
Using Space Technologies

25 NEREUS Regions

Abruzzo (Italy)
Andalusia (Spain)
Apulia (Italy)
Aquitaine (France)
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)
Lazio (Italy)
Lombardy (Italy)
Madrid (Spain)
Mazovia (Poland)
Midi-Pyrénées (France)
Piedmont (Italy)
Provence-Alpes-Côte d'Azur (France)
South Holland (Netherlands)
Tuscany (Italy)
Veneto (Italy)
Wallonia (Belgium)





Research & Innovation Capabilities

Select

Business Areas & Target Market

Select

EU Priority

Aeronautics & space

Research & Innovation Capabilities (Subcategory)

Select

Business Areas & Target Market (Subcategory)

Select

EU Priority (Subcategory)

Select

Region/Country Name

NUTS ID

Description of Priority

☒ Refined Search

☐ Approximated Search

Country/Region type

☒ EU Countries with Encoded S3 Priorities

☒ EU Regions with Encoded S3 Priorities

☐ Non-EU Countries with Encoded R&I Priorities

☐ Non-EU Regions with Encoded R&I Priorities

Search

Add priorities

Export

Name [NUTS ID]	Description	Research & Innovation Capabilities	Business Areas & Target Market	EU Priority
Praha [CZ01]	Aerospace	1. Manufacturing & industry	1. Manufacturing & industry 2. Motor vehicles & other transport equipments	1. Aeronautics & space
Baden-Württemberg [DE1]	Aerospace	1. Manufacturing & industry	1. Manufacturing & industry	1. Aeronautics & space
Bremen [DE5]	Aeronautics & s...	1. Manufacturing & industry 2. Motor vehicles &	1. Transporting & storage 2. Air transport & related	1. Aeronautics & space

Why are Regions so important to drive innovation via demand?

The majority of public procurement (55%) in Europe is done at regional level: there are a series of financial instruments which enable the combination of different funding opportunities.

What about space?

Risky sector in which private investment is limited but with high innovation performance.

Between 2014 and 2020, Europe will invest 12 billion € in space activities, representing the second largest public space budget in the world (EU COM 2016 705, Space Strategy for Europe).

→ Investing on space-based solutions for territorial management results from a strong political vision or a strong demand from citizens.

Synergies

Increase in innovation funds under the cohesion policy:

- From 6% in the 2000-2006 period to 25% in the 2007-2013 period.
- Roughly, 9% of public spending in R&I in Europe came from the EU budget.
- H2020 and ESIF are the biggest EU funds which aim at supporting the development of European competitiveness, growth and knowledge generation.
- DG REGIO drafted a guide to enable synergies between funds.



Enabling synergies between European Structural and Investment Funds, Horizon 2020 and other research, innovation and competitiveness-related Union programmes

Guidance for policy-makers and implementing bodies





Pre-Commercial Procurement



Innovating Public Procurement

55% of public spending is done at local and regional level: local and regional authorities are responsible for driving innovation via the demand side.

The European Commission launched a financial instrument: **Pre-Commercial Procurement (PCP)** → Health/Aging, Transport, Sustainability, Food, Climate, Security.... And **Satellite Earth Observation!**

- First PCP in the sector → Azores is part of the successful consortia (Greece, Norway, Portugal and Spain)
- Next 47 months, call for tenders will be published to invite EO industry to develop robust innovative solutions beyond the current state of the art in 3 PCP phases (solution design, prototyping and operational development)

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Pre- Commercial Procurement

Public authorities **collaborate across borders, clustering their needs** and **shaping the demand** for innovative services using Earth Observation Satellites!

What impacts?

- Improvement of **quality and efficiency of public services**
- Opening a route-to-market for **new players/SMEs** (71% of contracts won by SMEs, compared to 29% average in public procurement across Europe)
- Relevance to **universities**: bringing scientific results to the market (winning SMEs are often university start-ups)
- Stimulating **cross-border company growth** (28% of contracts won by bidders that are not from a country of any of the procurers, compared to 1,26% average in public procurements across Europe)
- Contributing to **budget efficiency**

Source: European Commission



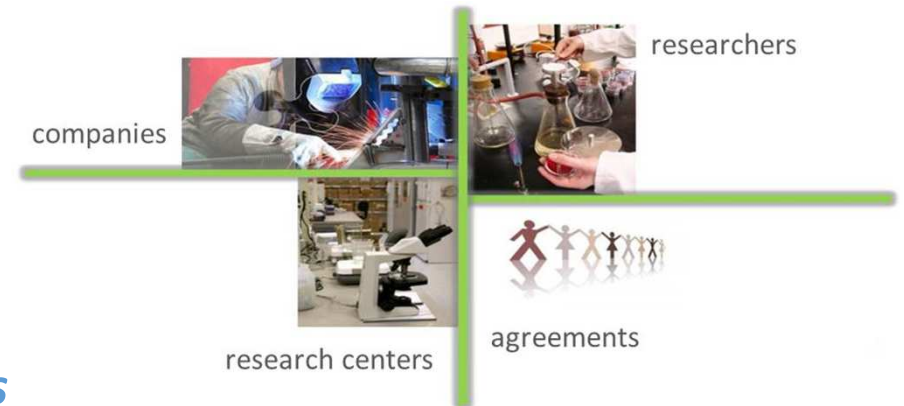
LOMBARDY



Regione Lombardia

The baseline ...

A policy mix combining top down and bottom up approaches to support the emerge of the regional vocations and assets



- **16 industrial districts** (geographical proximity and sectorial specialisation)
- **5 metadistricts** (value chain integration to foster manufacturing excellence)
- a process of identification of **10 priority technology sectors** supported through competitive call for industrial research among which **ICT**
- **Stakeholders consultation** (December 2011) on 7 industrial strategic domains: involving 3347 research organisations and companies
- **9 regional technological clusters** (2012) in line with the national cluster framework → 7 Regional specialisation areas (October 2014): one of them is **aerospace**



LOMBARDY



Regione Lombardia

To accelerate the transformation of traditional and mature industries into emerging industries, 2 types of measures:

- **direct support for stakeholders** (companies and research bodies) through specific calls for proposals in order to facilitate the evolution of the value chain and the development of technologies;
- regional initiatives to **build up environments** in which businesses can thrive and evolve into emerging industries.

First **actions**:

- ✓ *Set up of thematic communities in the framework of Open Innovation Platform and Cluster Initiative – October 2014*
- ✓ *Direct business R&D support (FRIM ERDF 2020)* - December 2014*



LOMBARDY



Regione Lombardia



A digital space and a physical space established in order to respond promptly to strategic challenges in connection with the growth and competitiveness of the Region (approx. 1 M € of ERDF).

- **collaborative** (790 open discussions)
- **open innovation** (200 project proposals)
- **multi stakeholder** (3650 registered stakeholders from innovation and research, business and education)
- soft governance instrument for dialogue

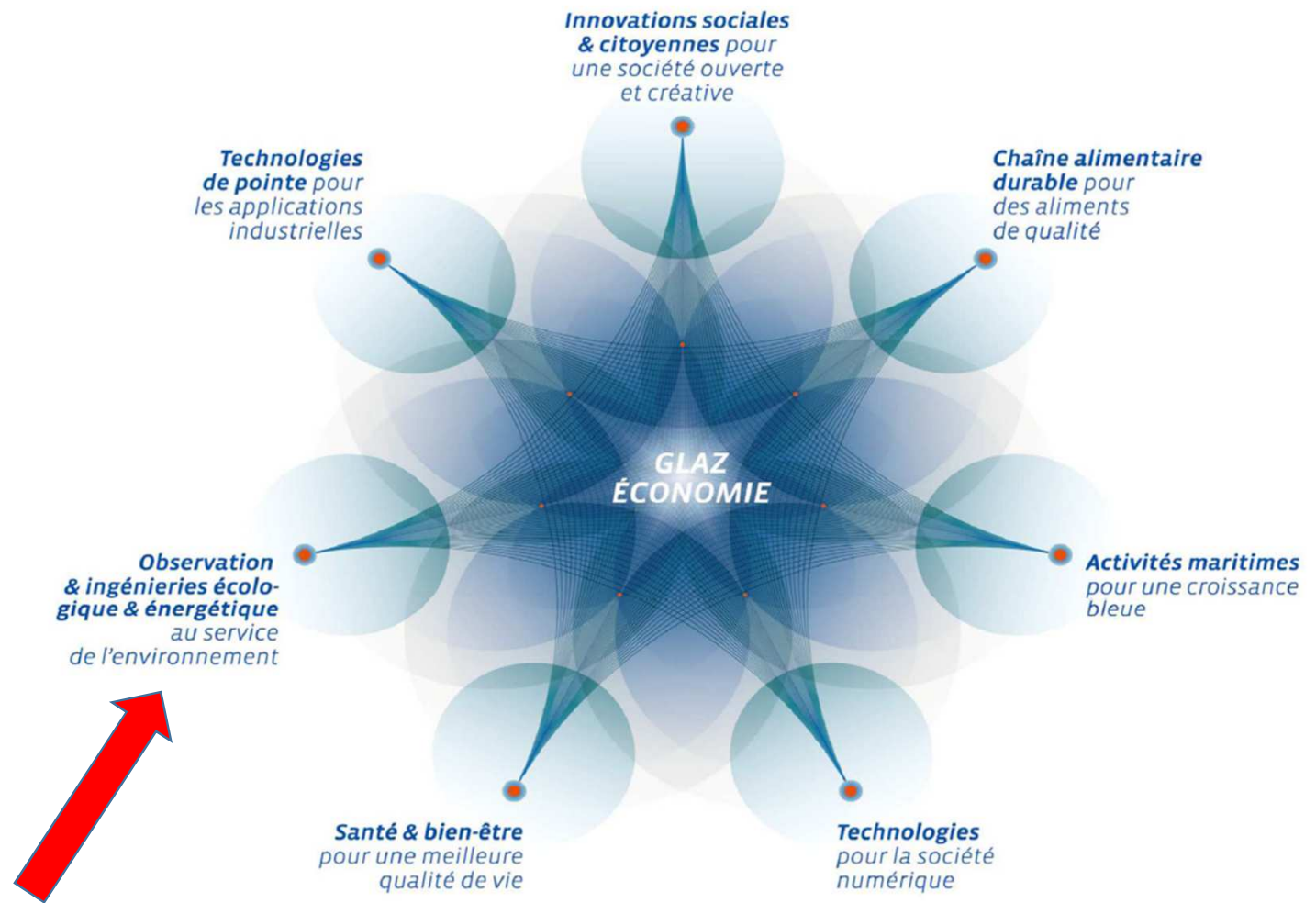
→ [Selected as finalist for Regio Stars Awards 2016](#)



BRITTANY



7 targeted areas of innovation and research for prioritization of funds.





BRITTANY



2 entities supported in order to operationally implement the strategy targeted areas of innovation and research for prioritization of funds.



- Funded by LRA with national and structural funds (2009).
- 11 academic research labs in Remote Sensing areas (maritime, coastal and continental)
- Promotes research, development and education in the academic community.
- Associate Member of NEREUS.



- Sea innovation cluster dedicated to maritime activities, based on triple helix approach (2005).
- Interface with industrial stakeholders for knowledge transfer (hundreds of key players)
- Coordinator of the Regional Contact Office (RCO) for Copernicus
- Associate Member of NEREUS.



BRITTANY



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- Associate Member of NEREUS.
- Copernicus Relay network.

→ TOTAL: 14,41 M€ (ERDF 1,77 M €)



THANK YOU!

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