



Blue growth in S3

B-Blue conference

Interregional Cooperation for Blue Growth

Karel Haegeman

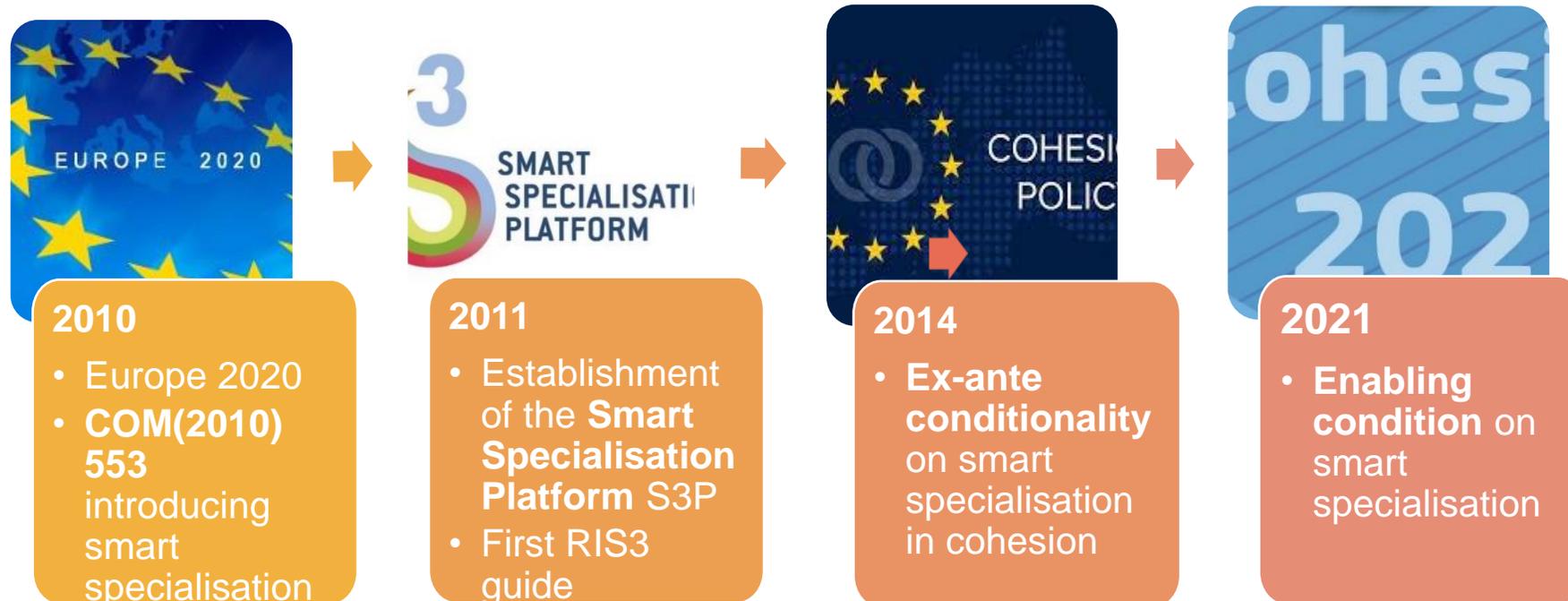
European Commission, Joint Research Centre, unit B7, Seville, Spain

15-12-21

Joint
Research
Centre

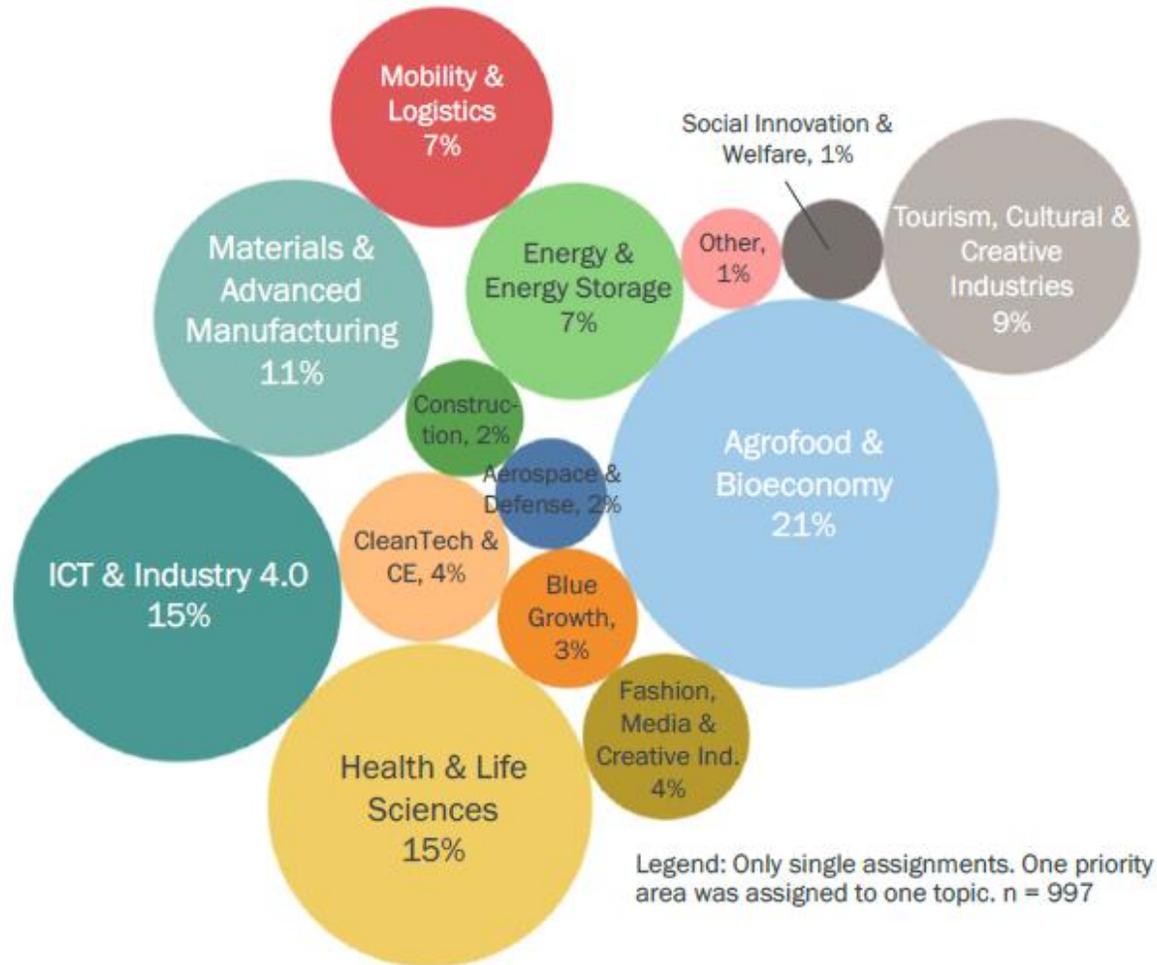
The views expressed are purely those of the authors and may not in any circumstances be regarded as stating an official position of the European Commission

A decade of smart specialisation



Achievements of Smart Specialisation (S3)

Share of overarching topics addressed by S3 priority areas



Large take up

- **185 strategies** driving over **60bn EUR** of research and innovation funds

Prioritisation

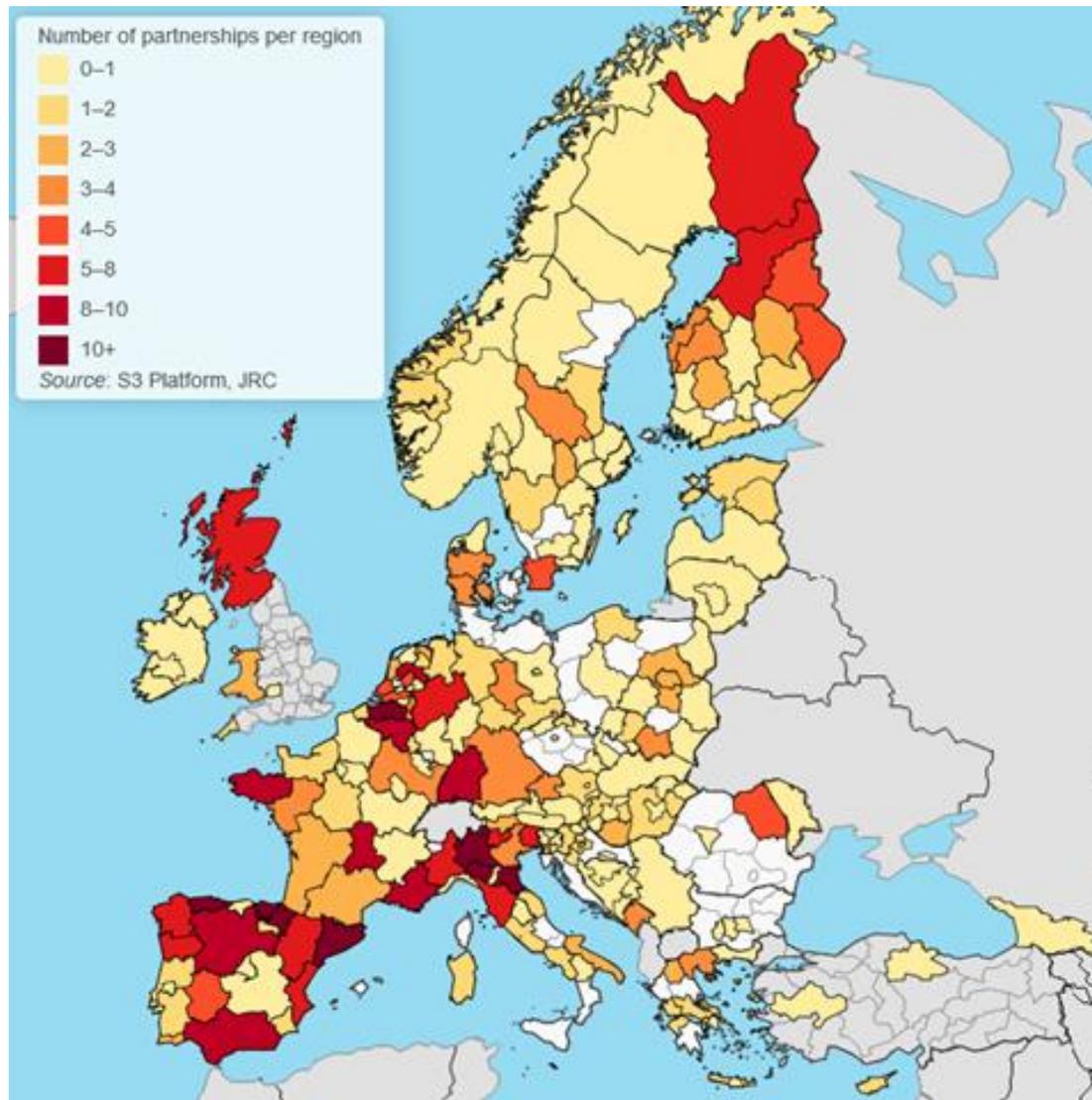
- Regions selected on average 5,5 priority areas; 50% thematic concentration in only 3 domains

Participatory governance

- Stakeholder participation in the design and implementation of most strategies

Source: Prognos / CSIL (2021). Note: n= 185 regions. This is based on an LDA (Linear discriminant analysis) through which overarching topics were defined based on priority descriptions.

Thematic S3 platforms



Number of participations in the 37 partnerships per territory

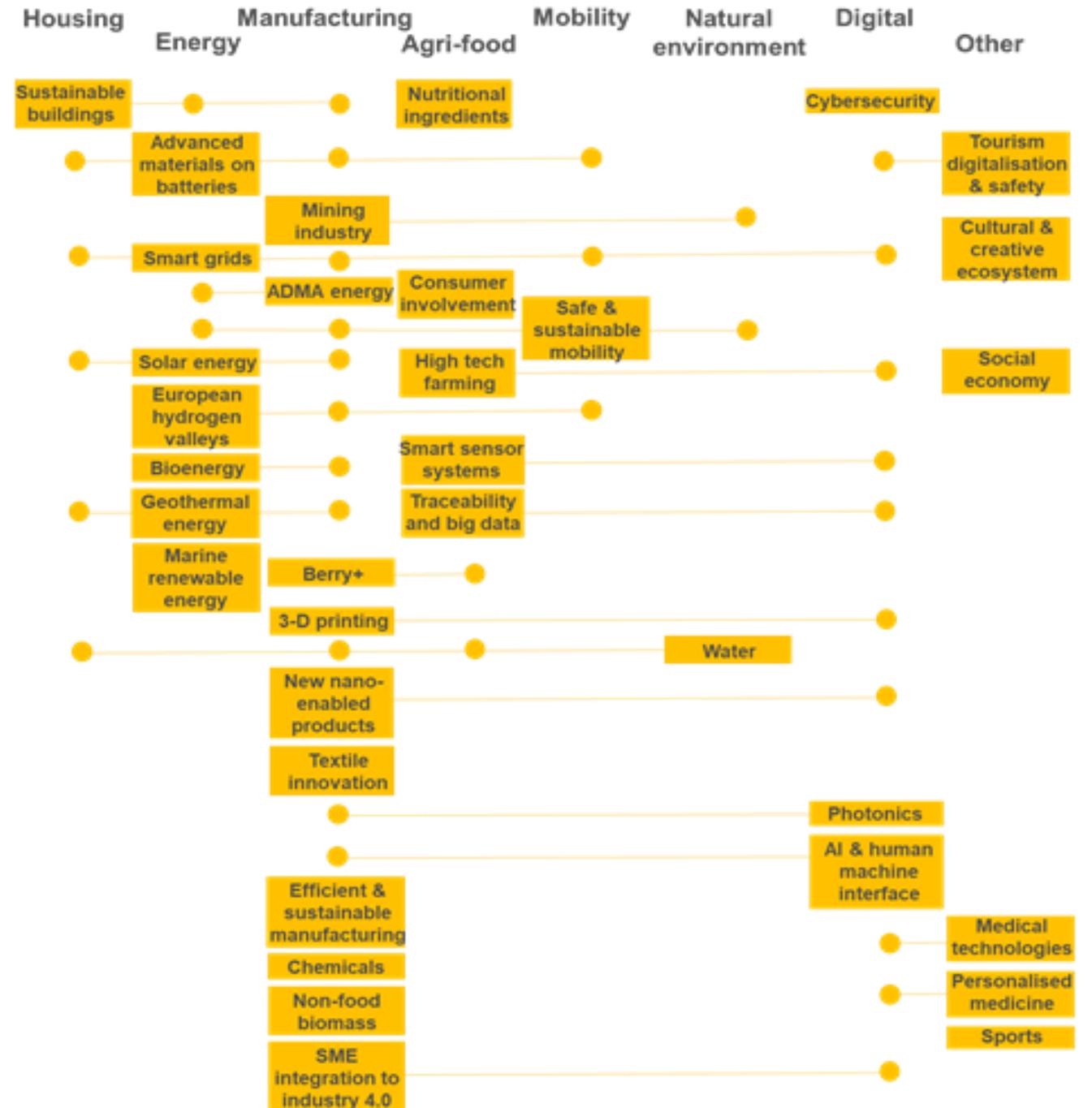
Thematic Platforms and their 37 interregional smart specialisation partnerships have created a **pan-European network of networks**

Taking full advantage of EU's territorial diversity (economies of scope) would require more involvement from less advanced territories.

Interregional S3 partnerships and the twin transition

Many **topics** of the interregional S3 partnerships are at the core of the systems that are key for making the twin transition a reality.

The figure also reflects possible collaborations between partnerships within each of the systems.



Multi-level governance for a green and digital Europe

Agri-food system

European Research Alliances	European partnerships	Interregional S3 partnerships	European cluster partnerships	European Innovation Partnerships	Other initiatives
European Climate Research Alliance	EIT Food	Nutritional ingredients	S3Food	Agri	Food Trails
All-Atlantic Ocean Research Alliance	EIT Climate	Consumer involvement	Aumenta	Water	Fit4Food 2030
European Research Alliance chemical pesticide free agriculture	Accelerating farming systems transition	High tech farming	DIVA		EFFoST
	Animal health (PAH)	Smart sensor systems	VIDA		SmartAgri Hubs
	Agriculture of data	Traceability and big data	PARSEC		Digital Innovation Hubs
	Safe and sustainable food systems	Berry+	BLUES		
	Water4All	Water	Safe Smart Food		
	Circular bio-based Europe		Smart Food Cluster		
	Climate neutral, sustainable and productive Blue Economy		Food products quality cluster		
			AgroBio Alliance		
			FoodPack Lab 2.0		
			Advanced Smart Packaging		
			FoodPack Lab 2.0		

S3 and Blue Biotech

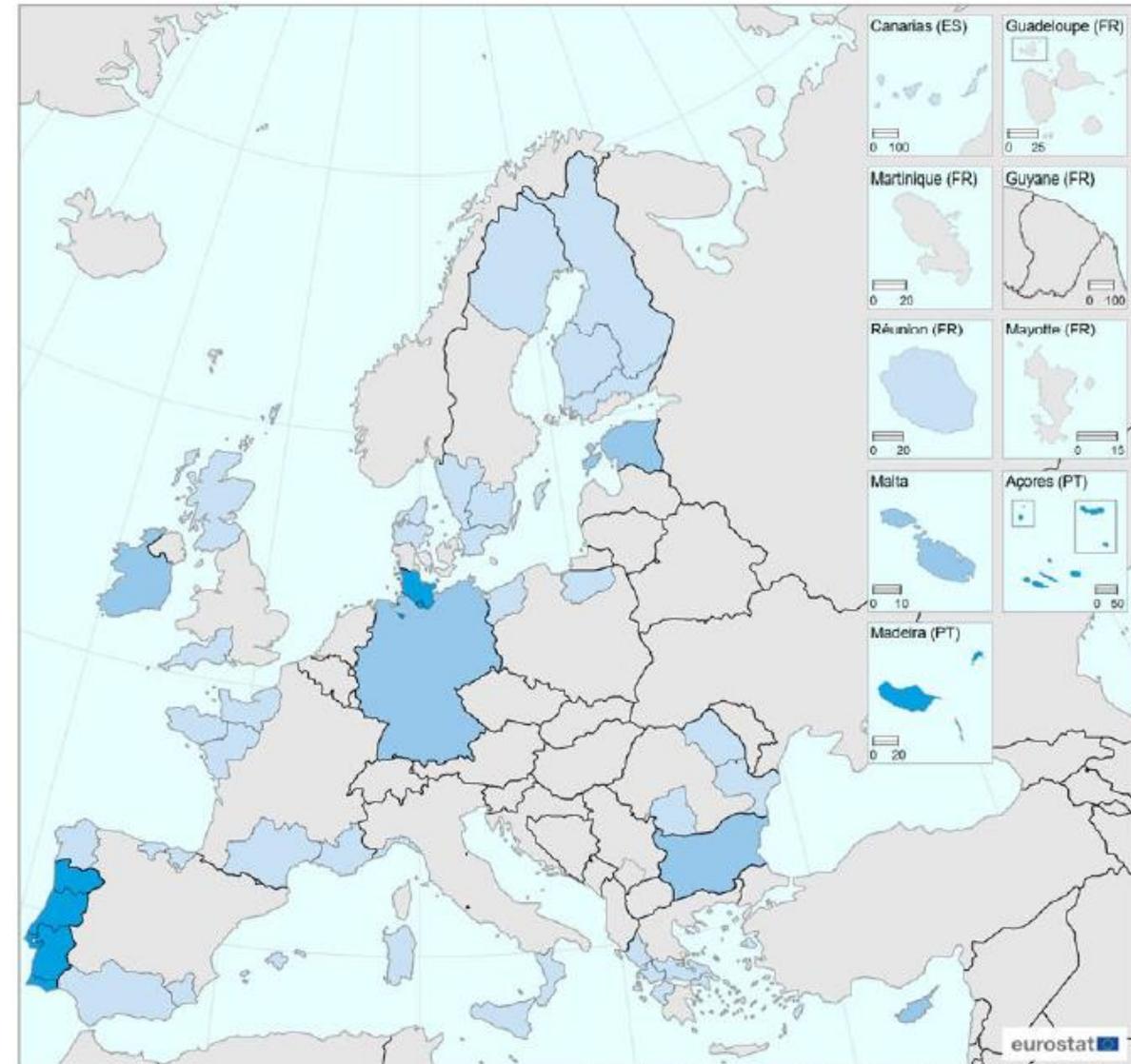


JRC SCIENCE FOR POLICY REPORT

Smart Specialisation and Blue biotechnology in Europe

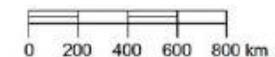
Mathieu Doussineau
Ales Gnamus
Javier Gomez
Silke Haarich
Frank Holstein

2020

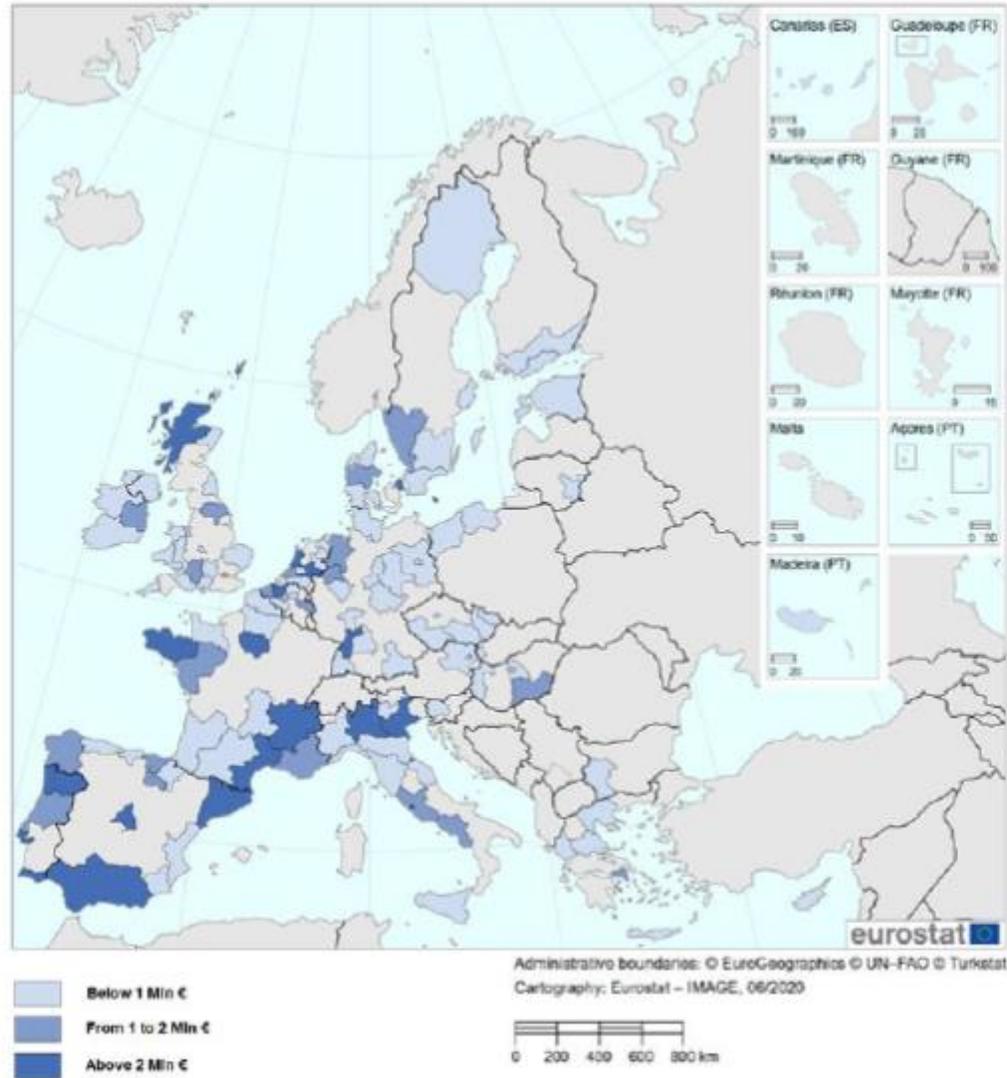


Administrative boundaries: © EuroGeographics © UN-FAO © Turkstat
Cartography: Eurostat – IMAGE, 09/2020

- Regional S3 area only
- National S3 area only
- National and Regional

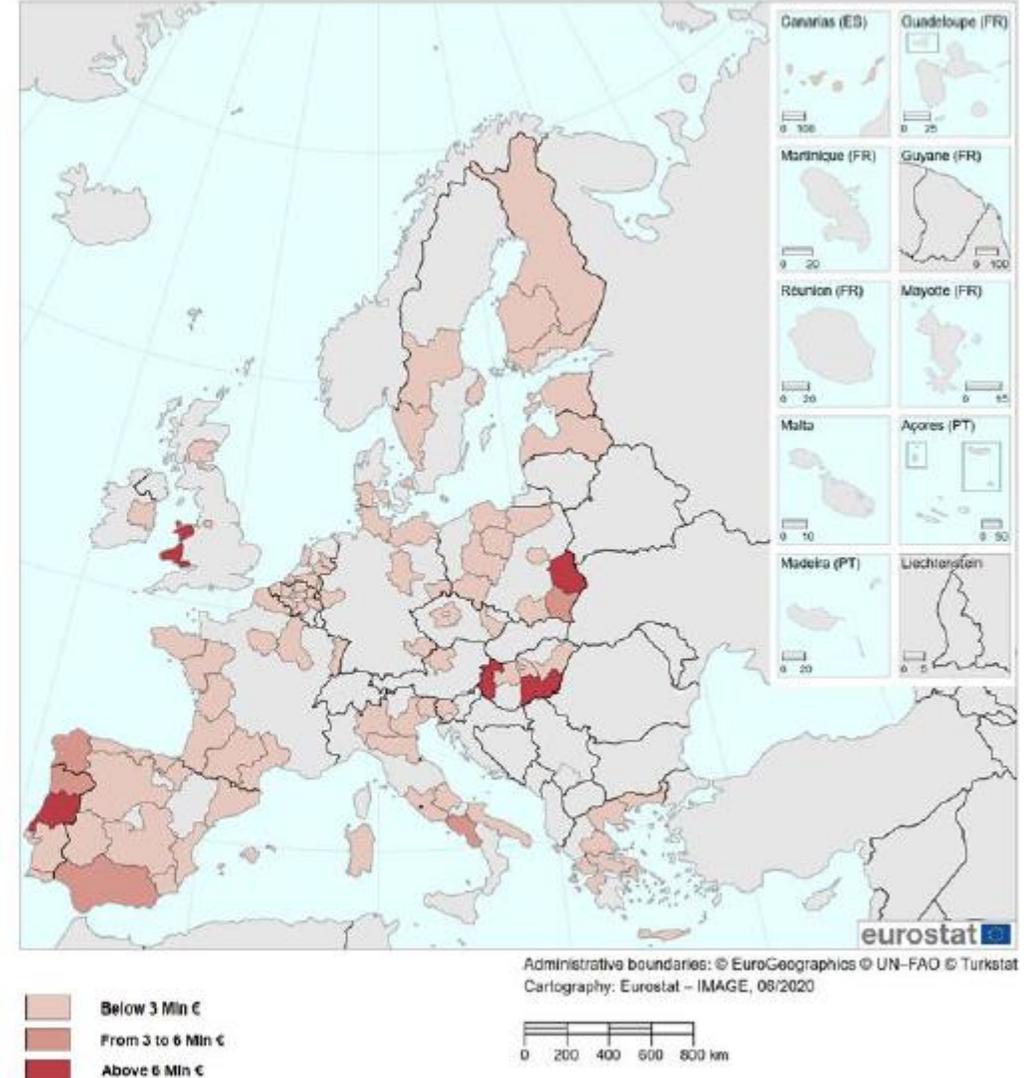


Horizon 2020 regional distribution related to Blue biotechnology (2014-Oct 2019)



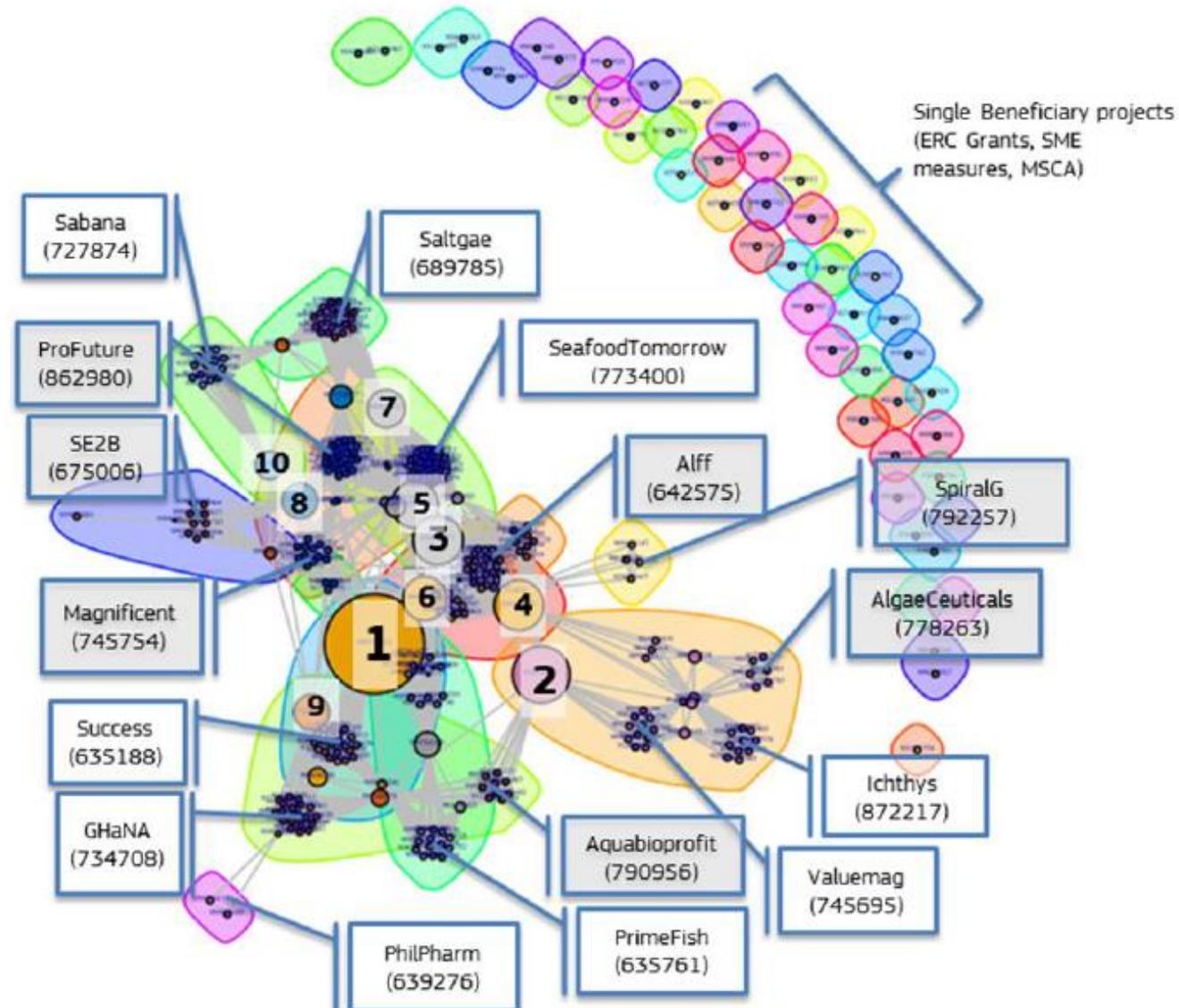
Source: Own elaboration, Horizon 2020 Cordis database (as of October 2019)

ERDF regional distribution related to Blue biotechnology (2014-2018)



Source: : Own elaboration, ERDF beneficiaries' database described in Bachtrögler et al. (2020) (as of December 2018)

Collaboration networks in H2020 projects



Other Blue Economy reports

JRC Science for Policy Reports on S3 and blue economy

- S3 in the Context of Blue Economy – Analysis of Desalination Sector
- upcoming: S3 in the Context of Blue Economy – Marine Environmental Protection and Micro-Plastics

The EU Blue Economy Reports 2019 / 2020 / 2021



<https://s3platform.jrc.ec.europa.eu/blue-growth>



Interregional Innovation Investments (I3)

- Objective is to encourage the development of **European value chains** by mobilising innovation ecosystems to scale up and commercialise interregional innovation projects.
- The instrument provides **funding for mature joint innovation projects** and supports stakeholders involved in smart specialisation to develop and set up such projects in value-chain investment portfolios.
- Two strands of the programme in 2021 (applications open until 1 February 2022):
 - Financial and advisory support for investments in interregional innovation projects;
 - Financial and advisory support to the development of value chains in less developed regions.



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