

# **BLUE BIO MED**

## **Mediterranean Innovation Alliance for Sustainable Blue Economy**

**La Blue Bioeconomy nell'area mediterranea: strategie  
e opportunità d'innovazione per le regioni italiane - 12 aprile 2022**

**La Blue bioeconomy nelle S3 delle regioni e dei paesi mediterranei**

**Elena Banci - Area Science Park**





## Representativeness

**31 territories** (national to regional administrations) have actively contributed (mapping and/or survey) to the collection of the information out of **36** considered countries and regions potentially involved in the project activities



Interreg MED 2014-2020  
COOPERATION AREA

Gibraltar  
United Kingdom  
Ceuta  
Spain  
Melilla  
Spain

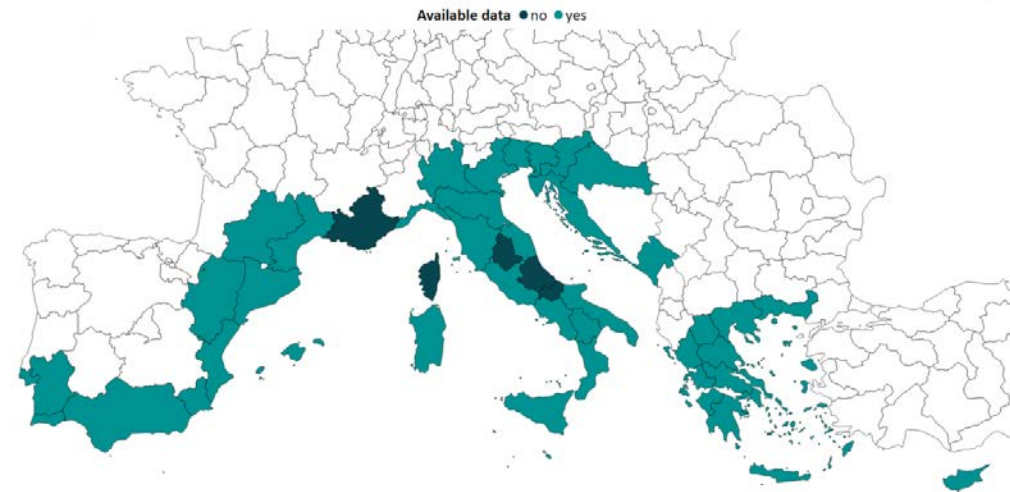


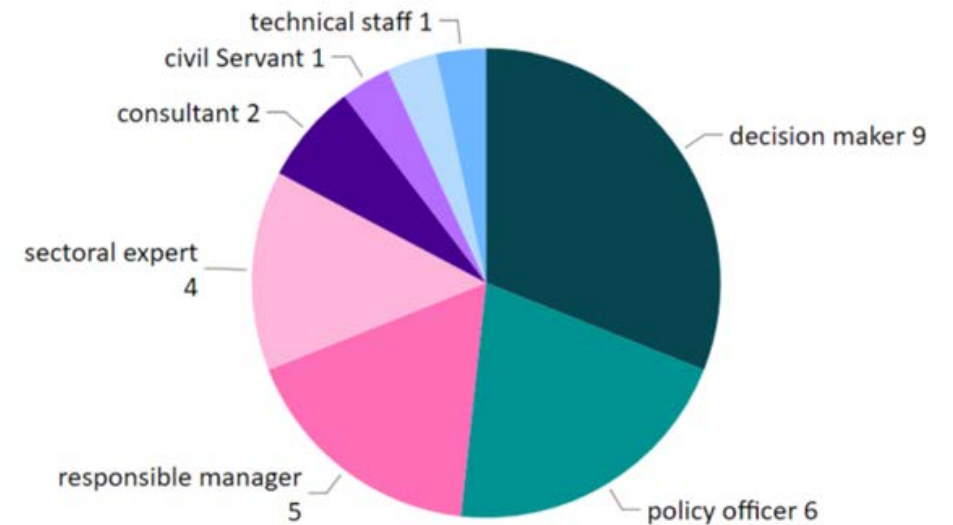
Figure 1 Map of the available data.

## Survey data analysis

The **survey\*** has investigated the following **different dimensions**:

1. Territorial innovation priorities referred to blue bioeconomy
2. Implementation of RIS 2014-2020
3. Connections with Mediterranean transnational frameworks and initiatives
4. Agenda 2030 and transformative innovation policy
5. RIS3 measures for international collaboration and the Mediterranean dimension

By the end of the collection, **29 innovation policy makers took part to the survey** on behalf of **28 different territories**



*Role/position of the survey respondents (n: 29).*

\*The online survey has been launched in February 2021 and remained open to respondents until July 2021. The survey questionnaire has been structured on 42 different open and closed questions and managed through Google Forms .

## Blue Biomed Project sectors

### 1. Fishery and aquaculture

- a. Pelagic and Demersal Large-Scale Fisheries (LSF) and Distant Water Fleet (DWF)
- b. Small Scale Fisheries (SSF)
- c. Marine Finfish aquaculture (MFA):
- d. Shellfish aquaculture (SA)
- e. Seafood processing and trade.

### 2. Blue Biotechnologies

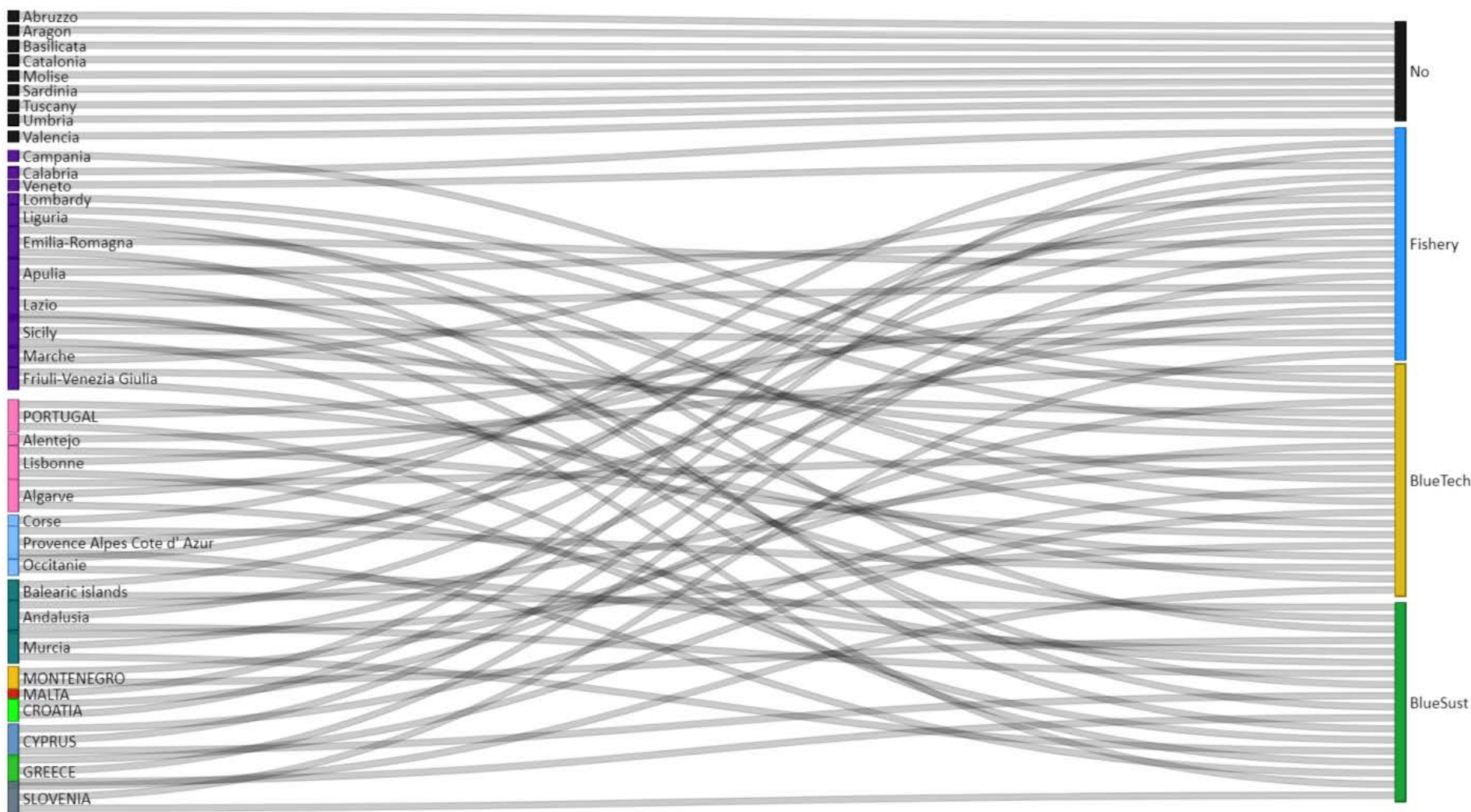
- a. Healthcare and Pharmaceutical applications
- b. Agriculture, Livestock, Food processing:
- c. Industrial Processes and Manufacturing
- d. Biofuel
- e. Biomonitoring and Bioremediation

### 3. Blue sustainable development

- a. Monitoring and Observing systems for marine environment
- b. Marine Environmental Technologies
- c. Methods and tools for the preservation and management of marine ecosystem, reduction of anthropogenic pressure

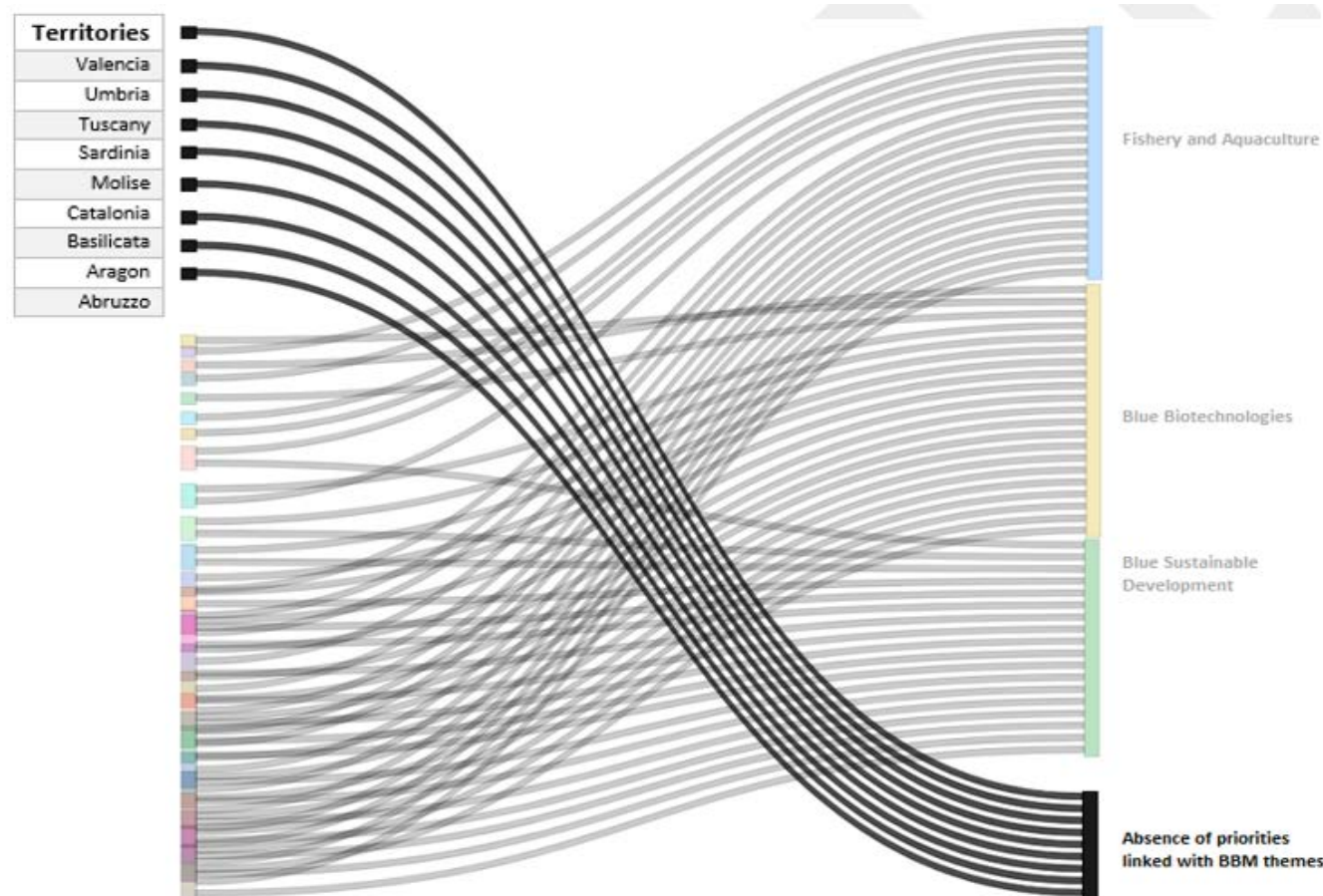


# Relevance of BLUE BIO MED themes in Smart Specialisation Strategies- 1/2



*Figure 9 Sankey diagram capturing the **relationship between RIS3 2014-2020 of BBM territories (sources) and BBM themes (destination)**. Data was collected from a multi source analysis (mapping grid, online survey, JRC Eye@RIS3) . Mapped territories: 36*

## Relevance of BLUE BIO MED themes in Smart Specialisation Strategies 2/2



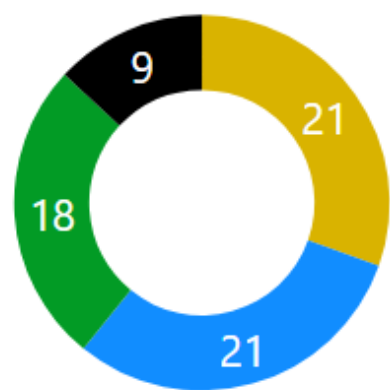
**9 territories do not even mention any blue bioeconomic sectors in their RIS3!**

However, the lack of S3 priorities or trajectories explicitly linked with the blue bioeconomic themes do not mean that the territories do not invest in the blue bioeconomy sectors at all. Frequently, **some territories promote marine-based projects under other priorities/trajectories** (e.g agrofood.....).

Figure 10 Sankey diagram capturing the relationship between Smart Innovation Strategies of BBM territories (sources) and BBM themes (destination). The highlighted territories reported in the table (left) do not contain priorities linked with the BLUE BIO MED theme



# Relevance of BLUE BIO MED themes in Smart Specialisation Strategies



## Sectors

- BlueTech
- Fishery
- BlueSust
- No

### 1. Fishery and aquaculture

- a. Pelagic and Demersal Large-Scale Fisheries (LSF) and Distant Water Fleet (DWF)
- b. Small Scale Fisheries (SSF)
- c. Marine Finfish aquaculture (MFA):
- d. Shellfish aquaculture (SA)
- e. Seafood processing and trade.

### 2. Blue Biotechnologies

- a. Healthcare and Pharmaceutical applications
- b. Agriculture, Livestock, Food processing:
- c. Industrial Processes and Manufacturing
- d. Biofuel
- e. Biomonitoring and Bioremediation

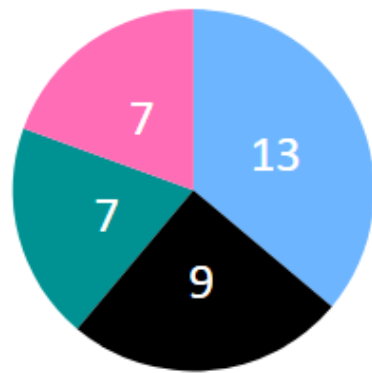
### 3. Blue sustainable development

- a. Monitoring and Observing systems for marine environment
- b. Marine Environmental Technologies
- c. Methods and tools for the preservation and management of marine ecosystem, reduction of anthropogenic pressure

Figure 8 Pie chart of the number of RIS3 2014-2020 aligned with BBM themes. Data was collected from a multi source analysis (mapping grid, online survey, JRC Eye@RIS3). Mapped territories: 36



## Relevance of BLUE BIO MED themes in Smart Specialisation Strategies



Number of BBM themes in the RIS3

- 3
- 0
- 1
- 2

Most of the involved  
territories consider in  
their S3 more than  
one sector.

*Q: How are blue bioeconomy sectors considered in the regional or national Smart Specialisation Strategies of the MED area?*

*Figure 7 Number of BBM themes in the MED RIS3. All three sectors are mentioned in the RIS3 (3); Two sectors are mentioned in the RIS3 (2); Only one sector is mentioned in the RIS3 (1); Absence of priority related to the BBM themes (0). Data was collected from a multi source analysis (mapping grid, online survey, JRC Eye@RIS3) . Mapped territories: 36*

## Relevance of BLUE BIO MED themes in Smart Specialisation Strategies



Question 9: Do your RIS3 2014-2020 priorities include (even partially) any of the BLUE BIO MED sectors/subsectors?  
(Total respondents: 29)

**11 respondents state that their S3 explicitly includes some topics referred to blue bioeconomy, 12 respondents state that their S3 address these topics at general level and 6 state that their S3 do not include any reference at all.**

## Focus on Italy: relevance of BLUE BIO MED themes in S3



Figure 14 Map of the Italian RIS3 2014-2020 with priorities linked with the BBM themes. The sectors of BBM are identified as it follows: ● Fishery and Aquaculture; ● Blue Biotechnologies; ● Blue Sustainable Development.

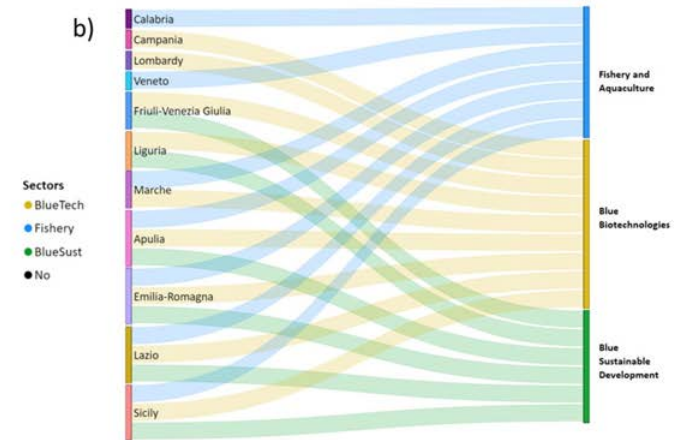


Figure 13 a) Pie chart of the number of Italian RIS3 2014-2020 aligned with BBM themes. The sectors of BBM are identified as follows:  
 ● Fishery and Aquaculture;  
 ● Blue Biotechnologies;  
 ● Blue Sustainable Development and  
 ● Absence of priorities linked with BBM themes. b) Sankey diagram capturing the relationship between RIS3 2014-2020 of Italian territories involved in the BBM project (sources) and BBM themes (destination).

**17 Italian RIS3** have been analyzed to highlight the presence of the project blue bioeconomy themes.



## Survey: other topics

The survey has investigated the following different dimensions:

- Relevance of BLUE BIO MED themes in Smart Specialisation Strategies
- Implementation of RIS3 2014-2020 and definition process of the RIS3 2021-2027
- Connections with Mediterranean transnational frameworks and initiatives
- Agenda 2030 and transformative innovation policy
- Transformative innovation policy
- RIS3 measures for international collaboration and the Mediterranean dimension
- Role of SDGs within the innovation policies on blue bioeconomy

The full document is available on the project website: [BLUE BIO MED - Detail \(interreg-med.eu\)](https://interreg-med.eu)

# Enjoy your reading!

# Thank you!



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