

Interreg
Atlantic Area



Co-funded by
the European Union



Deliverable 1.2

Map of Competences and Resources related to the Atlantic Food industry

This document reflects the author's view. The Atlantic Area programme authorities are not liable for any use that may be made of the information contained herein.

Project acronym: Hub4Food

Project title: Atlantic Food Innovation Hub

Project code: EAPA_0024/2022

Deliverable number and name: D 1.2 – Map of Competences and Resources related to the Atlantic Food Industry

Work Package: WP 1 – Map, inspire and connect

Author: InovCluster – Associação do Cluster Agro-industrial do Centro

Document history:

Version	Date	Modification introduced	Edited by
0	14/01/2025	First version	Susana Caio
1	21/01/2025	First draft for validation	Susana Caio
2	06/06/2025	Second draft for validation	Susana Caio
3	13/06/2025	Final Version	Paula Fazenda

Content

Executive summary	- 4 -
Methodology.....	- 5 -
1. Development of a database to store the collected information, including a profile for each organisation	- 5 -
2. Review and validation of the database by experts in the field and other stakeholders.....	- 6 -
3. Collection of information about these organisations including their areas of expertise, services offered, and available resources.....	- 6 -
4. Search and identification of organisations in the Atlantic Area with competences and/ or resources related to the technologies, techniques, processes and product trends in the Atlantic food sector	- 6 -
5. Development of a dynamic tool with the database on the website	- 7 -
Results.....	- 8 -

List of figures

<i>Figure 1. Map of Entities of the Dynamic Map of Competencies and Resources related to the Atlantic Food Industry</i>	<i>- 8 -</i>
---	--------------

<i>Figure 2. Map of Technologies of the Dynamic Map of Competencies and Resources related to the Atlantic Food Industry</i>	<i>- 9 -</i>
---	--------------

Executive summary

The Task 1.2, "Mapping available competences and resources" aims to identify the key organisations in the Atlantic Area that have relevant expertise and/ or resources related to the advanced technologies, techniques, processes and product trends identified in the Technology Roadmap (A1.1).

The objective of this task is to gather information and create a comprehensive database of these organisations and their profiles, including their capabilities, resources, and areas of expertise. The deliverable is a comprehensive database (that will be made available on the project website) outlining the available competences and resources in the Atlantic Area in relation to the previously developed Hub4Food Technology Roadmap.

The output of this Task is the creation of a **Dynamic Map of Competencies and Resources related to the Atlantic Food Industry**, allocated at the Hub4Food website that can be updated during the entire lifetime of the project. Its end-users are SMEs or other relevant stakeholders from the food industry from the Atlantic Area, that want to know what food technologies and knowledge are available for them, accordingly to their expectations, challenges and objectives for the development of new food products and also, where and how to reach them.

Methodology

The Task, **Mapping available competences and resources related to the Atlantic Food industry**, involved the following steps:

- Development of a database to store the collected information, including a profile for each organisation;
- Review and validation of the database by experts in the field and other stakeholders;
- Search and identification of organisations in the Atlantic Area with competences and/ or resources related to the technologies, techniques, processes and product trends in the Atlantic food sector;
- Collection of information about these organisations including their areas of expertise, services offered, and available resources;
- Development of a dynamic tool to have the database available on the website.

The development of this action was based on the healthy food innovation ecosystem map developed in the scope of the AHFES project and other projects from desk research performed. The map delivered under the AHFES project was reviewed and expanded for specific relevance to the Hub4Food project objectives and audience.

Inovcluster coordinated this activity with the support of the whole partnership for its development.

1. Development of a database to store the collected information, including a profile for each organisation

A database of the organisations' profiles was developed, providing a comprehensive overview of the resources available for the development of the Atlantic food industry, with a special focus on those that are marine based.

The industry and consumer needs were applied in the design of the roadmap of main advanced technologies, techniques, processes and product trends in the Atlantic food sector (A1.1). This provided a clear and concise overview of the state-of-the-art technology in the field, including strengths and weaknesses, opportunities, and challenges, and supported us to define all the criteria, details needed and the information taxonomy and terminology for the database.

Since the objective was to identify Technologies/Processes available in the Atlantic area, the criteria followed was to identify, per Technology/Process:

- It's main objective(s);
- Other characteristics that may arise from the use of that technology;
- It's description;
- The main advantages for the SMEs to use it in cooperation with RTOs;

- The degree of integration with marine resources/ ingredients;
- The potential sectors of application;
- The RTO that performs that technology.

Moreover, for each RTO of the partnership, we created a profile sheet, with contacts and other detailed information about the entities, themselves.

2. Review and validation of the database by experts in the field and other stakeholders

The terminology, taxonomy and criteria to be included in this database were validated by all partners of the project, mainly by the RTOs, since this database was to be filled by themselves. The team worked closely with relevant stakeholders, including companies and organisations in the Atlantic food sector, to gather information and ensure that the database is comprehensive and accurate. It was also validated by one RTO from Portugal, Green Colab, that, although not belonging to the Hub4Food partnership, showed interest in participating in the project evolution, eventual participation as an external RTO in the **Dynamic map**, and in the dissemination of its results among its own member SMEs.

3. Collection of information about these organisations including their areas of expertise, services offered, and available resources

The database excel file was distributed among all the RTOs from the partnership. After all RTOs from the partnership gave their inputs to the excel database, InovCluster made an exercise of simplification of the technical information gathered, converting it into keywords to allow an easier search by the SMEs. Nevertheless, the original information given by each RTO is still available for the end-user in the “description” field. This excel database, as it was filled by the partners, is available at Annex 1.

4. Search and identification of organisations in the Atlantic Area with competences and/ or resources related to the technologies, techniques, processes and product trends in the Atlantic food sector

At this point, and since the idea was that a dynamic software tool would be created to simplify the collection of relevant information by SMEs, the partnership decided to include in this first phase only the information of Hub4Food partnership RTOs. The objective was to gather the most relevant information needed for the platform development, and to

disseminate it among other RTOs of the Atlantic area only after being tested and validated by all partners and other stakeholders.

This way it would be simpler to show the dynamic tool working at Hub4Food website, and therefore raise awareness on the other RTOs of the Atlantic Area for the need to disseminate the technologies among a Hub of stakeholders, SMEs and other companies, that will actually serve, not only the dissemination objective, but also to foster the cooperation among SMEs and RTOs to boost innovation.

Finally, after the Go live of the **Dynamic Map of Competencies and Resources related to the Atlantic Food Industry** in the Hub4Food website, the partnership will implement a campaign for the dissemination of this tool among other RTOs of the Atlantic Area, so they can join the Hub4Food network and provide information to the Food sector SMEs on the technologies and competences they have.

This search and integration of other organisations in the **Dynamic map** will be kept ongoing until the end of the project, as long as the partnership receives interest from RTOs to be included.

5. Development of a dynamic tool with the database on the website

The **Dynamic Map of Competencies and Resources related to the Atlantic Food Industry** is being developed by InovCluster and the support of CLUSAGA, since it is going to be allocated in the Hub4Food website, managed by CLUSAGA, the project leader.

After collecting the data to be integrated, Inovcluster defined all the requirements and functionalities that the platform should have, the expected performance and all connections between the information that should be respected. Also, it was defined how the information should appear to the user – SMEs searching for technologies that could solve some challenges in the area of the Development of new food products.

These instructions were defined in a document shared with the IT team of the communication agency contracted by Clusaga for the website development, among other aspects, as it can be seen at Annex 2

Because of the complexity of the search and information it was decided to present two different kinds of search: the Map of Entities and the Map of Technologies. Both give the users the same results but provide an easier user experience.

Several meetings were held between InovCluster and CLUSAGA and the external communication agency to tune information and a last one to show the platform running before the Go live, first for validation and secondly for a brief training session on how to use the platform.

Results

The Go live of the **Dynamic Map of Competencies and Resources related to the Atlantic Food Industry**, with both Maps, was in April 2025. It is available at the website of the project at:

Map of Entities: <https://www.hub4food.eu/entity/>

Map of Technologies: <https://www.hub4food.eu/technology/>

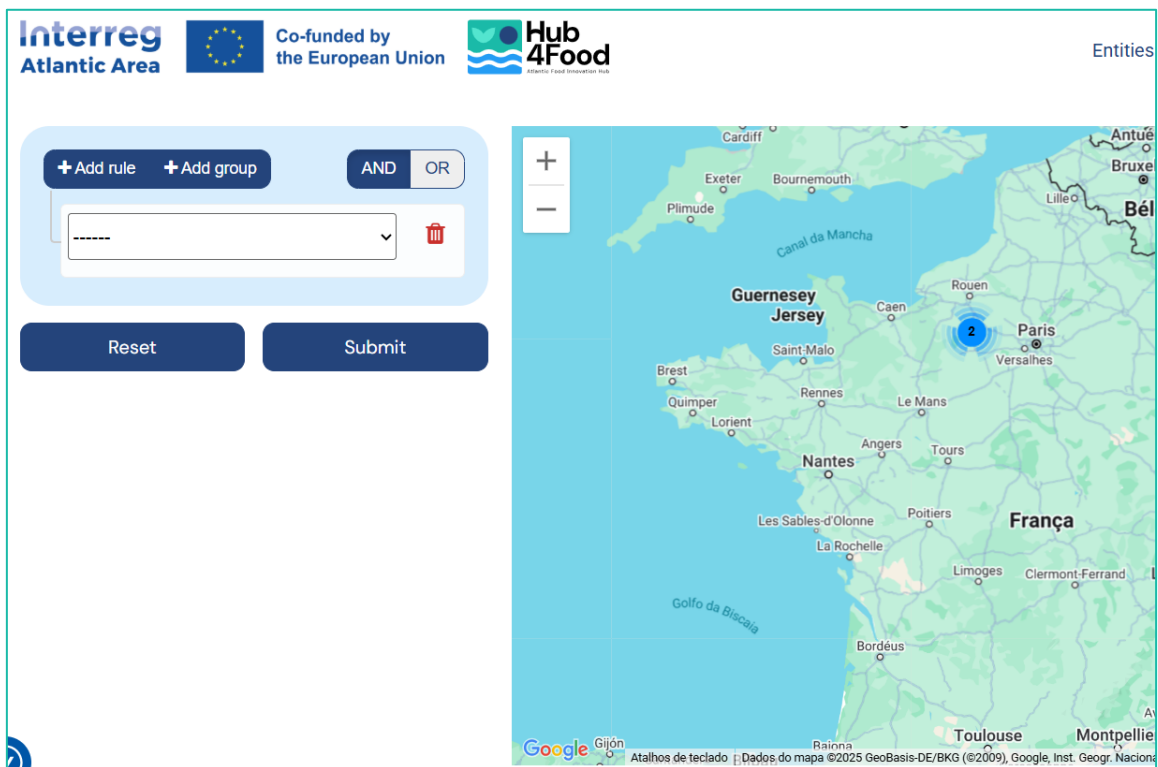


Figure 2. Map of Entities of the Dynamic Map of Competencies and Resources related to the Atlantic Food Industry

Co-funded by
the European Union

Technologies

Technologies

Are you a RTO/RDI Entity working in the food sector?

[Register here](#)

+ Add rule
+ Add group

AND
OR

▼
✕

Reset
Submit

2D and 3D printing using food waste

3D Printing

Biometric sensory technologies including eye-tracking glasses, facial expression analysis, a Galvanic Skin Response (GSR) unit and an Electroencephalography (EEG) headset. Compusense® software.

Figure 2. Map of Technologies of the Dynamic Map of Competencies and Resources related to the Atlantic Food Industry

The Dynamic Map of Competencies and Resources related to the Atlantic Food Industry currently identifies competences of the RTOs that compose the Hub4Food Consortium: ANFACO (SP), CATAA (PT), MARE-IP Leiria (PT), LEMPA (FR), BIA (IE) and PRAXENS (FR) and TEAGASC (IE).

It is an objective of the Hub4Food project to enlarge the mapping to other RTOs of the Atlantic region for the Food&Beverage sector. In this line, a dissemination plan was created to disseminate the tool and promote the adhesion from the external RTOs. This plan includes direct contacts with the partners of the consortium members, publications in the Hub4Food website and all partners, and the use the Social Media channels, both from the project and the partners. This possibility to join the Hub4Food Map of Competencies and Resources will be open until the end of the project, so, we expect that the number of RTOs and technologies will increase during the project's lifetime.