



# ASTRAL


**All Atlantic Ocean Sustainable, Profitable and Resilient Aquaculture**

GA no **863034**

Research and Innovation Action (RIA)

Start date: 1<sup>st</sup> September 2020. End date: 30<sup>th</sup> August 2024

## **D1.1. Stakeholder Mapping and Value network in the Atlantic Area**

	This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 863034
---	--

Disclaimer: This material reflects only the author's view and the Commission is not responsible for any use that may be made of the information it contains.

### Document administration

<b>Deliverable number</b>	D 1.1
<b>Deliverable name</b>	Stakeholder Mapping and Value Network in the Atlantic Area
<b>WP number</b>	WP1
<b>Deliverable due date</b>	28/02/2021
<b>Submission date</b>	28/02/2021
<b>Dissemination levels</b>	Public
<b>Lead beneficiary</b>	FURG
<b>Responsible</b>	Luis Poersch (FURG)
<b>Contributors</b>	F. Neumann (AIR), T. Li Chen (AIR), N. Ospina-Alvarez (AIR)
<b>Internal reviewers</b>	Juliana Carvajal (PMBA)

### Document history and changes

Version	Date	Author	Description
V1	27/11/2020	Luis Poersch (FURG) Tânia Li Chen (AIR) Frank Neumann (AIR)	First draft (including the most updated list of stakeholders)
V2	08/02/2021	Luis Poersch (FURG) Tânia Li Chen (AIR) Frank Neumann (AIR)	Second draft. Sent for revision.
V3	26/02/2021	Luis Poersch (FURG) Tânia Li Chen (AIR) Frank Newmann (AIR) Juliana Carvajal (PMBA) Natalia Ospina-Alvarez (AIR)	Final

### Evidence of accomplishment

(Report, attached)
--------------------

**This report may be cited as:**

Poersch, I., Neumann, F., Li Chen, T., Ospina-Alvarez, N. 2021. Stakeholder mapping and value network in the Atlantic area. Deliverable D1.1. of the ASTRAL project funded under the European Union's Horizon 2020 research and innovation programme GA No. 863034.

**Copyright notice:** This work is licensed under the Creative Commons CC-BY 4.0 license.  
<https://creativecommons.org/licenses/by/4.0/>

## Contents

1	Summary.....	5
2	Introduction.....	6
3	Interconnection with other Deliverables, Tasks & Project Activities .....	7
3.1	Other Deliverables.....	8
3.2	Other Tasks & Activities.....	8
4	Stakeholder Mapping Process.....	9
4.1	Steps of the mapping process .....	9
4.2	Stakeholders Classification.....	9
4.3	Geographic Representation.....	10
5	Value Network in the Atlantic Region .....	11
5.1	Value proposition of ASTRAL.....	11
5.2	Stakeholders Assessment.....	12
5.3	Strategy to engage stakeholders.....	15
5.4	Barriers and Drivers for Engagement .....	16
5.5	Needs and Expectations for Engagement .....	17
6	Conclusions.....	18
7	ANNEXES.....	19

## 1 Summary

This document describes ASTRAL's mapping activities of EU and non-EU Atlantic stakeholders, including identification, assessment and classification. In order to prepare this first draft, all ASTRAL project partners were consulted to identify the main stakeholders, primarily in the ASTRAL partner countries (Argentina, Brazil, France, Ireland, Nigeria, Norway, Portugal, Spain, South Africa and the United Kingdom), but also including an effort to involve stakeholders from other relevant countries to the Belém Statement<sup>1</sup>. This is a dynamic process and this report presents the initial approach. Additional information is expected to be added throughout the project, as new stakeholders will gradually join the Atlantic Aquaculture Alliance.

<sup>1</sup>[https://ec.europa.eu/research/iscp/pdf/belem\\_statement\\_2017\\_en.pdf](https://ec.europa.eu/research/iscp/pdf/belem_statement_2017_en.pdf)

## 2 Introduction

The ASTRAL project focuses on integrated multi-trophic aquaculture (IMTA) farming and defines, supports and promotes this type of sustainable aquaculture production in the Atlantic area. Its main goal is to develop new, sustainable, profitable and resilient value chains for IMTA production within the framework of existing, emerging and potential Atlantic markets. In addition, it aims to build an open and interactive platform to discuss and improve IMTA production systems. Thereby, it intends to bring together all actors and players implicated in the production chain related to sustainable aquaculture. We emphasize that stakeholder identification is a complex and continuous process, and it aims to represent all sectors involved in the aquaculture production chain. The purpose of the stakeholder mapping is to describe the building of the ASTRAL project stakeholders' network and the general approach that will be taken for their involvement and engagement. In this context, we identified five main groups of stakeholders (Figure 1):

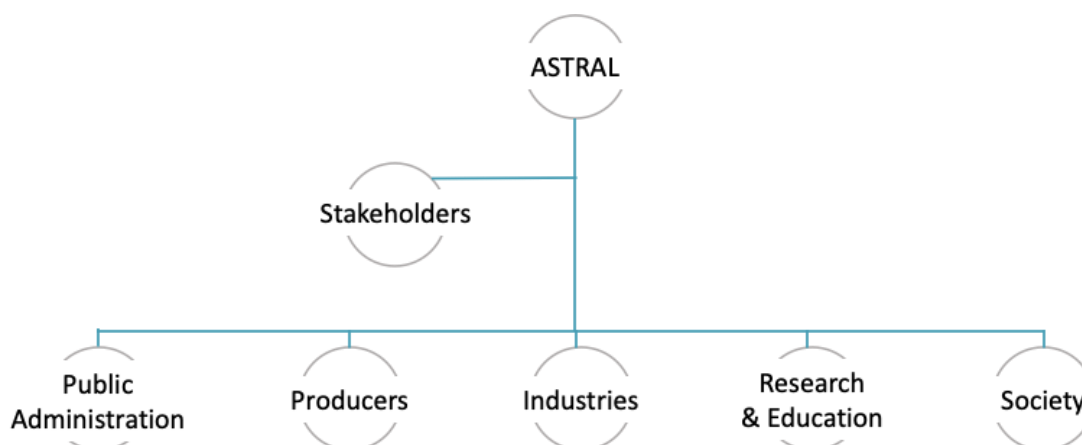


Figure 1. Main stakeholder groups identified by partners in the ASTRAL project

- 1) **Public Administration:** composed of national/regional and local actors responsible for policy, the legal and official framework for aquaculture (aquaculture licenses and regulation), and assessment and control of environmental impacts.
- 2) **Aquaculture producers:** those who are directly or indirectly interested in the new production system, IMTA; with a view to environmentally friendly production. But also, other producers that might be interested in IMTA divers' co-products, such as, biotechnology industry, cosmetics, healthcare, nutrition, others.
- 3) **Industries related to Aquaculture:** represented by suppliers like feed factories, food processing, equipment and service developers.

- 4) **Research and education centres:** stakeholders are responsible for the environmental matters and development of research applied to the production sector and for training & qualification courses to be offered to different sectors of the society.
- 5) **Society in general:** represented by local communities that are directly involved with aquaculture activity, consumers and NGOs.

Within the main stakeholder groups, sub-groups were created in order to be more informative during mapping activities, as shown in Figure 2.

Public Administration	Producers	Industries & Services	Research & Education	Society
Certification body	Aquaculture producer	Consulting	e-learning	Association
Government office	Fish producer	Equipment & Systems	Knowledge transfer	Cluster
Licensing agency	Microalgae/Seaweed producer	Feed/Food industry	Universities	Investors
Relevant ministries	Mollusk producer	Innovation & Technology	Research institutes	NGO's
	Seafood producer	Standars	Research & Development	Organisation
	Shrimp producer	Service supplier	Training & Education Institutions	
		Value chain		

Figure 2. Categorization of stakeholders in the ASTRAL project

### 3 Interconnection with other Deliverables, Tasks & Project Activities

As previously briefly mentioned, ASTRAL aims to develop new, sustainable, profitable and resilient value chains for IMTA production focusing on Atlantic markets; providing a collaborative ecosystem to bring together and connect stakeholders in order to promote data exchange, knowledge sharing and business opportunities. The identification of stakeholders in the ASTRAL project will help the consortium partners to establish collaborations, build-up a strong network and conduct dissemination, communication and exploitation actions aimed at the most relevant stakeholders in the project context. Hence, several Deliverables and activities will be strongly or somehow interconnected with this D1.1. The list of stakeholders will be exploited within the project and continuously updated and reviewed. New members will be added as a result of the various activities proposed in the project such as meetings, workshops, courses, etc., as well as the communication, dissemination and exploitation

of the results. Therefore, the final list of stakeholders will include links to WPs 2 (Case studies in different countries), 3 (IoT development), 4 (Circularity and zero waste), 5 (Climate change), 6 (Business development) and 7 (Communication and dissemination).

### 3.1 Other Deliverables

The list of stakeholders will be exploited within the project whenever there is a need to gather and/or communicate with relevant actors, more specifically:

- 1) WP2 will organise workshops gathering stakeholders growing new species aiming to assess new cultivation opportunities within an IMTA context. With the knowledge gathered, a “Species for the future” catalogue (D2.7) will be delivered with the information on the best species to be cultivated within partner countries & regions.
- 2) WP3 will produce a Technology User Guide (D3.6) for training courses and apprenticeships. The target audience will be , but not only, those included within the Research & Education stakeholder group and industry.
- 3) WP6 will deliver a Business Model (D6.3) towards feasible and profitable circular aquaculture management and operation. A review and selection of potentially interested stakeholders will be conducted to ensure an efficient and successful implementation.

### 3.2 Other Tasks & Activities

Stakeholders will be invited to join the Aquaculture Helix platform (Task 1.3.) which will act as a collaborative platform, and to participate in several events and workshops (within WP1, WP2, WP3, WP4, WP5, WP6 and WP7) to discuss relevant opportunities and challenges, some are listed below:

- 1) Alternatives for integrated production of fish, molluscs, crustaceans and macroalgae;
- 2) Best practices for IMTA cultivation (WP3, WP4);
- 3) Main bottlenecks observed by the production sector in different countries;
- 4) Climate change impact on Atlantic coastal ecosystems (WP5);
- 5) What species can be integrated in each region, aiming at economic viability (WP2, WP6);
- 6) Establish contacts among stakeholders, providing new business opportunities (WP6).

In addition, WP7 will disseminate information on IMTA crops to society in general and, specifically, to interested producers, investors and the industry. This study aims to establish the bases for the dissemination of an alternative way of producing safe and high-quality seafood that guarantees both economic and environmental viability.



## 4 Stakeholder Mapping Process

The stakeholder mapping process strategy was built considering:

- 1) Contribution of the consortium partners to the stakeholders mapping.
- 2) Stakeholders' needs, interest and influence on the ASTRAL project and/or on each WP.
- 3) Relevant groups of stakeholders.
- 4) Levels of the stakeholders' groups (local, regional, national, EU, international).
- 5) Personal data protection policy for the handling of private information of the stakeholders (ASTRAL deliverable D.9.2)

### 4.1 Steps of the mapping process

Each partner involved in the ASTRAL project was invited to fill out a spreadsheet with stakeholders' information (namely organization name & website, if applicable) considering their own professional network. All individual mappings were sent to the task leader, who gathered all the inputs, checked the information provided and ensured that there were no recurrences in the list. The compiled list of stakeholders can be found in Annex 1. This list is a first attempt to map stakeholders and will be continuously updated to ensure a wide and balanced coverage within each group and each geographies.

### 4.2 Stakeholders Classification

Taking into account the previous stakeholder categorization, eleven specific sectors were identified in our mapping.

- 1) Licensing agency (environmental, concessions);
- 2) Aquaculture producers;
- 3) Equipment/Service supplier;
- 4) Feed/Food industry;
- 5) Association/Organization;
- 6) Ministry (Environment);
- 7) Related peripheric/non-food activities (such as industry related to microalgae for biofuel, wastewater treatment);
- 8) R&D Institution and Training Education (including capacity building);
- 9) Investors (existing and potential);
- 10) Certification body (food safety, ecolabel);
- 11) Other.

### 4.3 Geographic Representation

The ASTRAL project includes representatives from Europe (Norway, Ireland, Scotland, France, Spain, and Portugal), South America (Brazil and Argentina), and Africa (Nigeria and South Africa). The composition of stakeholders, however, is meant to include a wide geographic range of actors who work within the Atlantic Area, namely countries within the Belém and Galway statement but also other representatives of the Atlantic region and Europe, as well as representatives of other Horizon 2020 projects (AquaVitae, AtlantEco, among others).

This first attempt to map stakeholders included 32 countries: 18 from Europe (56%), 1 from North America (3%), 5 from South America (16%), 3 from Central America (9%) and 5 from Africa (16%).

The basis for this stakeholder network is the ASTRAL consortium, consisting of the following partners (Figure 3):

- CONICET - National Council of Scientific and Technical Research (Argentina)
- FURG - Federal University of Rio Grande (Brazil)
- MOP - M&O Partners Representacoes Ltda (Brazil)
- BIO - BioOceanOr (France)
- EGM - Easy Global Market (France)
- PMBA - Pôle Mer Bretagne Atlantique (France)
- MI - Marine Institute (Ireland)
- NIOMR - Nigerian Institute for Oceanography and Marine Research (Nigeria)
- NORCE - Norwegian Research Centre (Norway)
- AIR - Atlantic International Research Centre (Portugal)
- CSIR - Council for Scientific and Industrial Research South Africa (South Africa)
- UCT - University of Cape Town (South Africa)
- VIK - Viking Aquaculture (South Africa)
- LEITAT - LEITAT Technological Center (Spain)
- CHX - CrowdHelix (United Kingdom)
- SAMS - The Scottish Association for Marine Science (United Kingdom)



Figure 3. Partners from different countries in the ASTRAL project

## 5 Value Network in the Atlantic Region

The Atlantic region encompasses a wide range of geographies with different climates, culture and needs & challenges. By bringing together all the components of the production chain related to sustainable aquaculture, this mapping exercise will allow us a better understanding about all the key stakeholders in different sectors and regions in the Atlantic and how one can support the other. This mapping will explore the synergies, challenges and most importantly the benefits that ASTRAL can offer and how it can impact on building a more sustainable production of aquatic food and, more specifically, to foster IMTA production systems, together with promoting food and nutrition security in the Atlantic region.

### 5.1 Value proposition of ASTRAL

The overall objective of ASTRAL is to develop new, sustainable, profitable and resilient value chains for IMTA production within the framework of existing, emerging and potential Atlantic markets. Consequently, contributing to the production of sustainable resources for food security and economic



growth. ASTRAL will promote the implementation of IMTA practices through its technical developments, its work focusing on circularity and zero waste, and the project structure based on hands-on activities in the IMTA labs. The motivation is to promote sustainable seafood production by supporting companies to establish promising business cases, to train young professionals and empower women, and spread the word of valuing IMTA practices to authorities and governments, through exchange of contacts for collaboration or cooperation or even investment, know-how and capacity building. In particular, the stakeholders subscribed to the ASTRAL Helix will benefit from the wide set of resources made available through the project, not only limited to the project's results (such as be updated with new technology and new species for culture) but also opportunities to network and participate in workshops and IMTA courses that will be offered (namely, technical workshops, apprenticeships and hands-on training courses at IMTA sites), allowing an efficient entry into the benefits and state-of-the-art practices in IMTA and a collection of major players in the field.

## 5.2 Stakeholders Assessment

ASTRAL's network will provide a platform for co-creating and co-developing solutions with the stakeholders for collective impact and contribute to an integrated informed policy-making process. Stakeholders will be informed and invited to participate in the discussion since the early stages of the ASTRAL's IMTA value chain and technology developments in order to address their societal & technical needs in different regions of the Atlantic. We have previously identified key sectors to be initially invited to be part of the ASTRAL network, in order to allow for a replication of proposed practices in other regions and beyond the ASTRAL consortium. Although stakeholders will not have a decisive influence on the well-defined technical objectives of the ASTRAL project, their participation, acknowledgement of activities and results and input into the ongoing discussions are vital to enable a wider implementation of the practices proposed through ASTRAL. This rationale is discussed briefly for each of the identified stakeholder groups and subgroups:

### 1) Licensing agency (environmental, concessions)

It is essential to engage key local authorities and licensing agencies with the developments of ASTRAL, since the beginning and along with the project, to improve the perception of licensing-relevant issues, and to ensure awareness of the current state-of-the-art and potentialities. This stakeholder group is essential not only for easing possible obstacles for IMTA practices obtaining the required permissions but also for always prioritizing sustainable aquaculture practices to come.

## 2) Aquaculture producer

The project will show that an IMTA system, despite its complexity and cost, provides better and healthier food as well as economic benefits. The products diversification and the reduction in the effluents emission can be a positive strategy for producers in economic terms, as well as obtaining bio-products to the pharmaceutical, cosmetics and biotechnological industry. The uniqueness of ASTRAL is that there are four IMTA labs demonstrating state-of-the-art practices and their improvement in different regions of the Atlantic, thus testing its feasibility within different environmental conditions. It is expected that this project delivers blueprints in response to the needs and challenges of different geographic realities.

## 3) Equipment / Service supplier

It is of mutual interest of suppliers and (potential) clients that are both up-to-date regarding the current needs of the client (in this case the IMTA practitioner), and the economic potential to address these needs. As opposed to some other sectors, any investment into innovation and technical improvement has to be carefully weighed against the capacity of production valuation. By bringing together both sides, the suppliers have a more solid baseline for shaping their offer, and the IMTA practitioners may get sooner access to affordable products and services.

## 4) Feed / Food industry

While the environmental footprint of feed and food products attains increasing attention for the product image and might soon be relevant for regulations or concessions, there is usually a tangible economic benefit related to IMTA practices. This circumstance and the updated insight through discussions and exchange with other stakeholders will accelerate the acceptance to adapt production practices and reduce concerns about potential risks for the security of supply.

## 5) Association / Organization

Both aquaculture associations and organisations related to adjacent sectors may benefit from the aquaculture alliance by increasing their impact on the sector, and by enabling new opportunities for their associates, respectively. In the case of aquaculture associations, capacity building and dissemination measures in line with ASTRAL can bring value to their network and position them as pioneering the change. For adjacent sectors, in particular, the fisheries associations should be involved, in order to contribute to their understanding that sustainable aquaculture practices will come to fill gaps and not compete with fishermen practices. In some instances, they may even find opportunities to be involved in the new commercial sector.

## **6) Ministry (environment and agriculture, food) / Government**

It is important to involve governments on a ministerial level to ensure appropriate levels of support and sustainable economic policies, in line with national and international strategies and priorities. In particular, the regional and local reality of fisheries and ensuring that aquaculture will not damage local fisheries-dependent communities, is a concern to be met on the ministry level. This stakeholder group is essential to help define IMTA's common framework at an international level, contextualising it at a local, regional and national level.

## **7) Related peripheric / non-food activities**

Aquaculture effluents and waste by-products can be a source of raw materials for different industries, such as biofuel and biofertilizer production. There may be a wide range of activities showing similarities concerning technical, administrative or societal challenges, and/or with capacities or strategies that are of interest to the topics in ASTRAL. Identified case-by-case by specific project partners, entities involved in such activities will be invited, according to the mutual benefit expected from involvement.

## **8) R&D Institution and Training & Education (including capacity building)**

The driving force for increasing attention to IMTA has been the Research & Innovation community, leading to the present situation where significant know-how and assurance about practices exists, even though the industry has largely not taken up the concept so far. Due to the complexity of environmental and economic interactions, and the large number of choices for potential IMTA practices, it is vital to maintain a strong and diversified R&D portfolio in the project's ecosystem. R&D Institutions are also responsible for procedure and technological validations to assure commercialization readiness.

From the establishment of a solid base of professionals to an informed general public, it is vital to enhance the message to be spread from the ASTRAL findings to a wider audience, by relaying through local, regional and international entities specialised in training and education on all levels (from school to graduate and professional courses). Materials elaborated by ASTRAL, including scientific papers and manuals, will be of high value and easy use for a more widespread knowledge transfer and capacity building in all the ASTRAL scientific and applied aspects within classic aquaculture, IMTA, ecology and environmental matters and among others, both during and after the project.

### **9) Funding organizations/ investors (existing and potential)**

Due to the largely untapped economic potential of IMTA, it is considered to be a highly relevant topic for drawing attention and attracting active involvement from investors. ASTRAL will validate IMTA-related technology and demonstrate that these production systems are at the end of the pipeline to leave the R&D space towards commercial success thus is important to engage with this stakeholder group to accelerate potential business cases.

### **10) Certification body (food safety, ecolabel)**

Particularly the circular economy and zero-waste aspects of IMTA may have not only positive effects but can also be a concern for certification of food safety. From both the positive and potentially critical viewpoints, it is important to involve the relevant actors for food safety, eco labels and related certifications, in order to limit potential barriers proactively and aid consumers trust and acceptance.

### **11) Other**

Similar to numeral 7 but without an immediate obvious link to the ASTRAL topics and activities, there may be stakeholders for which involvement in the ASTRAL ecosystem is of mutual interest. These are meant to be grouped here in order to exclude an undesirably narrow outcome.

## **5.3 Strategy to engage stakeholders**

In this first approach building a framework for the Atlantic Aquaculture Alliance, all ASTRAL project partners were consulted to identify the main stakeholders, primarily in the ASTRAL partner countries, as mentioned earlier. In order to comply with GDPR regulations, the ASTRAL partners will make the first approach to their own contacts on the list, inviting them to join the Helix. In parallel, wider stakeholder participation will be encouraged through the below-mentioned events and the ASTRAL website contact form. Stakeholder engagement strategies will be adapted to local culture and realities.

Several participatory workshops will be organized among the ASTRAL network from the early stages of the IMTA value chain and technology developments within the project in order to address the societal needs of the key stakeholders in different Atlantic regions. These workshops will not only be multisectoral but also gender-inclusive, trans-disciplinary and multicultural. The workshops will be flexible enough to foster different alliances between the stakeholders and stimulate participatory groups beyond the workshops. To be more inclusive, all engagement activities (workshops and other

means of communication) will be in national languages. Results will be documented/reported in national language and English to be discussed with a broader community.

ASTRAL will participate in High-Level meetings to promote interest from key decision-makers and other academia and industry partners for further collaboration. Another important activity of ASTRAL is that it will involve academics, researchers, small and medium enterprises and entrepreneurs, local associations and authorities and others to participate and contribute to the capacity development of young professionals and women to promote the creation of jobs and gender equity. Finally, ASTRAL will organize social awareness activities with families and local schools. Local communities whose livelihood depend on the oceans are key to behavioural change concerning the protection of the environment and making better environmental choices. Awareness will be focused on environmental and ocean protection as well as on sustainable, circularity and zero waste food production and consumption.

#### **5.4 Barriers and Drivers for Engagement**

The stakeholder identification process is participatory and depends on the collaboration of all partners. The mapping of stakeholders does not imply that all those who were identified as such will be interested or play a significant role in the project activities and implementation. Each partner or country has a different background regarding participation in the discussion process about the new aquaculture production systems. In the specific case of Brazil, at first there was a reluctance of some actors to join the Aquaculture Helix platform, which is being overcome after further explanations about its benefits. In this sense, consistent, short and direct messages will be used with those who have or might have interest in taking part in an online community revolving around IMTA, circularity & cross-Atlantic collaboration. The Aquaculture Helix platform will be the connection among stakeholders and will play a key role in the communication and promotion of ASTRAL project's activities and outcomes.

Barriers for engagement will be different for each stakeholder group however lack of a clear message and stakeholder fatigue should be general ones. Efforts will be made to gain interest from policymakers by showing tangible benefits of IMTA systems for food and nutrition security, job creation and economic growth. Business models will need to be well structured and take into account different regional realities and needs for industry and local/regional stakeholders to be interested. Hence, ASTRAL's WP 1, 6 and 7 leaders will work together with the whole project consortium to coordinate the communication, dissemination and exploitation strategies accordingly with the specific targets and different actions. Overall, an early engagement and good understanding of each stakeholder's



motivations and needs, together with a clear communication of all the specific benefits of IMTA systems will most likely overcome barriers.

The results obtained in the case studies (WP2) carried out in Ireland, Scotland, South Africa and Brazil and the low-cost equipment developed (WP3) from this project will, likely, serve as a driver from the commercial perspective. From a socio-environmental standpoint, the improvement of the circular economy and the reduction of the ecological footprint (WP4 and 5) will certainly engender pertinent discussions within society. Awareness of climate change, ocean protection and the need for efficient and sustainable food production should be indeed the main driver for stakeholder engagement for groups beyond the general public. Showing systems and best practices that have been successful will be an important driver as well. Climate and food issues are global challenges and thus most, if not all, governments will be interested in supporting any type of food production that addresses those issues, and potentially accelerate laws and licenses accordingly. As a consequence, new funding channels could be created for research and new businesses resulting in new job and/or training opportunities. Again, WP1, 6 and 7 will work closely in regard to all these matters for efficient deliveries.

## 5.5 Needs and Expectations for Engagement

IMTA systems are multisectoral and thus needs for stakeholder engagements will include efficient communication targeted for different audiences (e.g. “translation” of scientific language), clear laws and regulations, new capacity development education programs (target at students and young professionals), business integration with science, social awareness, and clear costs-benefits, among others.

The main goal of this stakeholder mapping is to create a collaborative community to discuss challenges, solutions and business opportunities for an improved and sustainable aquaculture system. Expectations from stakeholders may therefore become too high and thus it will be important to identify which discussed topics can be integrated in the project and why others cannot, and for example, why producing certain high economic value species will work in a certain region but not in another. It is extremely important to deliver a consistent and clear message on the ASTRAL’s goals, benefits and limitations to avoid failing to meet stakeholder’s expectations.

With the implementation of the ASTRAL project, and with WP6 and WP7 collaboration, Exploitation and Communication and Dissemination Plans will be delivered to aid to continuously attract the attention of new stakeholders. Our disclosure actions are summarized in Figure 4.



Figure 4. Mechanisms for results dissemination and project actions

It should be noted that those interested in the development of IMTA will surely have different levels of involvement and will not necessarily be involved in all processes. Some stakeholders might engage more than others due to their own specific interests and needs. For instance, monoculture farmers interested in adopting IMTA will have more to learn and thus most likely be more engaged than those who have already adopted more than one species production. Likewise, some of ASTRAL's own research & development plans and activities will target different stakeholder groups throughout the project. Namely, technical workshops will target those who seek more and new technical knowledge in the aquaculture sector while High-Level events will target a wide range of stakeholders but mostly decision makers. Additionally, some stakeholders will prefer to just receive newsletters while others will engage in discussing legislation or new species production, as part of the ASTRAL Helix.

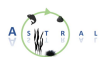
## 6 Conclusions

The ASTRAL stakeholders' list is dynamic and will be continuously updated throughout the duration of the project, according to the involvement of partners and stakeholder recruitment during the project activities. Therefore, it will reflect the preferences of society in general and the aquaculture production sector in particular. The final list of stakeholders and its assessment will be presented at the end of the project and will be available to project partners and the European Commission.

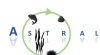
## 7 ANNEXES

### Annex 1. Compiled list of stakeholders grouped by identified sectors

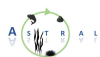
Organisation name	Website	Country	ASTRAL partner	Keyword***
<b>Sector 1: Licensing agency (environmental, concessions)</b>				
Fundação Estadual de Proteção Ambiental (FEPAM)	<a href="http://www.fepam.rs.gov.br">http://www.fepam.rs.gov.br</a>	Brazil	FURG	Licensing agency
Instituto Brasileiro do Meio Ambiente e dos Recursos Naturais Renováveis (IBAMA)	<a href="https://www.gov.br/ibama/pt-br">https://www.gov.br/ibama/pt-br</a>	Brazil	FURG	Government office
Department of Agriculture, Food and the Marine (DAFM)	<a href="https://www.gov.ie/en/organisation/department-of-agriculture-food-and-the-marine/">https://www.gov.ie/en/organisation/department-of-agriculture-food-and-the-marine/</a>	Ireland	MI	Government office, licensing agency
Ministry of Fisheries and Marine Resources	<a href="https://mfmr.gov.na/">https://mfmr.gov.na/</a>	Namibia	UCT	Ministry
Federal Ministry of Agriculture and Rural Development	<a href="https://fmard.gov.ng/">https://fmard.gov.ng/</a>	Nigeria	NIOMR	Ministry
Nigerian Export Promotion Council	<a href="https://nepc.gov.ng/">https://nepc.gov.ng/</a>	Nigeria	NIOMR	Ministry
Agder Fylkeskommune	<a href="https://agderfk.no/">https://agderfk.no/</a>	Norway	NORCE	Government office
Directorate of Fisheries	<a href="https://www.fiskeridir.no/English">https://www.fiskeridir.no/English</a>	Norway	NORCE	Government office
Innlandet Fylkeskommune	<a href="https://innlandetfylke.no/">https://innlandetfylke.no/</a>	Norway	NORCE	Government office
Møre og Romsdal Fylkeskommune	<a href="https://mrfylke.no/">https://mrfylke.no/</a>	Norway	NORCE	Government office
Nordland Fylkeskommune	<a href="https://www.nfk.no/om-nordland-fylkeskommune/om-nordland/in-english/">https://www.nfk.no/om-nordland-fylkeskommune/om-nordland/in-english/</a>	Norway	NORCE	Government office
Norwegian Environmental Agency	<a href="https://www.environmentagency.no/">https://www.environmentagency.no/</a>	Norway	NORCE	Government office
Norwegian Seafood Council	<a href="https://en.seafood.no/">https://en.seafood.no/</a>	Norway	NORCE	Government office, licensing agency
Oslo kommune/Fylke	<a href="https://www.oslo.kommune.no/">https://www.oslo.kommune.no/</a>	Norway	NORCE	Government office
Rogaland Fylkeskommune	<a href="https://www.rogfk.no/">https://www.rogfk.no/</a>	Norway	NORCE	Government office
Troms og Finnmark Fylkeskommune	<a href="https://www.tffk.no/">https://www.tffk.no/</a>	Norway	NORCE	Government office
Trøndelag Fylkeskommune	<a href="https://www.trondelagfylke.no/">https://www.trondelagfylke.no/</a>	Norway	NORCE	Government office
Vestfold og Telemark fylke	<a href="https://www.vtfk.no/">https://www.vtfk.no/</a>	Norway	NORCE	Government office
Vestland Fylkeskommune	<a href="https://www.vestlandfylke.no/">https://www.vestlandfylke.no/</a>	Norway	NORCE	Government office
Viken Fylkeskommune	<a href="https://viken.no/">https://viken.no/</a>	Norway	NORCE	Government office
Directorate General for Natural Resources, Safety and Maritime Services (DGRM)	<a href="https://www.dgrm.mm.gov.pt">https://www.dgrm.mm.gov.pt</a>	Portugal	AIR Centre	Government office, licensing agency
Crown Estate Scotland	<a href="https://www.crownestatescotland.com/">https://www.crownestatescotland.com/</a>	Scotland	SAMS	Government office
Marine Scotland	<a href="https://www.gov.scot/policies/marine-and-fisheries/licensing/contact-information/">https://www.gov.scot/policies/marine-and-fisheries/licensing/contact-information/</a>	Scotland	SAMS	Licensing agency
DJ Environmental Consultants	<a href="http://djec.co.za/">http://djec.co.za/</a>	South Africa	UCT	Consulting
Ecosense	<a href="http://www.ecosense.co.za/">http://www.ecosense.co.za/</a>	South Africa	UCT	Consulting



Organisation name	Website	Country	ASTRAL partner	Keyword***
<b>Sector 2: Aquaculture producers</b>				
Granja Marina San Julian	<a href="https://es-la.facebook.com/pages/category/Grocery-Store/Granja-marina-San-Julian-174342839293180/">https://es-la.facebook.com/pages/category/Grocery-Store/Granja-marina-San-Julian-174342839293180/</a>	Argentina	CONICET	Mollusk producer
Laurihue	<a href="http://www.laurihue.com.ar/">http://www.laurihue.com.ar/</a>	Argentina	CONICET	Fish producer
Piscicultura Puerto Moreno	<a href="https://puertomorenopiscicultura.business.site/">https://puertomorenopiscicultura.business.site/</a>	Argentina	CONICET	Fish producer
Truchas Boca del Río	<a href="https://truchas-boca-del-rio.business.site/">https://truchas-boca-del-rio.business.site/</a>	Argentina	CONICET	Fish producer
Valdes SRL	<a href="https://www.facebook.com/australmar.almanza">https://www.facebook.com/australmar.almanza</a>	Argentina	CONICET	Aquaculture producer
Aquabel	<a href="http://www.aquabel.com.br/">http://www.aquabel.com.br/</a>	Brazil	FURG	Fish producer
Aquamerica/Aquaporto	<a href="https://www.facebook.com/aquaamerica.genetica.superior/">https://www.facebook.com/aquaamerica.genetica.superior/</a>	Brazil	MOP	Fish producer
Aquatec	<a href="http://www.aquatec.com.br/">http://www.aquatec.com.br/</a>	Brazil	FURG	Shrimp producer
Camanor	<a href="https://www.camanor.com.br/">https://www.camanor.com.br/</a>	Brazil	FURG	Fish producer, shrimp producer
Carcibras		Brazil	FURG	Fish producer, shrimp producer
Colpani	<a href="https://www.colpanipescados.com.br/">https://www.colpanipescados.com.br/</a>	Brazil	MOP	Fish producer
Cristalina	<a href="https://cristalina.net.br/">https://cristalina.net.br/</a>	Brazil	MOP	Fish producer
DaFonte Aquicultura	<a href="https://www.dafonteaquicultura.com.br/">https://www.dafonteaquicultura.com.br/</a>	Brazil	MOP	Fish producer
Ecomarine	<a href="https://www.facebook.com/ecomarinebr/">https://www.facebook.com/ecomarinebr/</a>	Brazil	FURG	Fish producer, shrimp producer
Grupo Ambar Amaral	<a href="http://www.grupoambaramaral.com.br/">http://www.grupoambaramaral.com.br/</a>	Brazil	MOP	Fish producer
Lake's Fish	<a href="https://lakesfish.com.br/">https://lakesfish.com.br/</a>	Brazil	MOP	Fish producer
Primar	<a href="https://www.primarorganica.com.br/">https://www.primarorganica.com.br/</a>	Brazil	FURG	Fish producer, shrimp producer
Puro Peixe	<a href="http://www.puropeixe.com.br/">http://www.puropeixe.com.br/</a>	Brazil	MOP	Fish producer
SynbiAqua	<a href="https://blueconet.com/partners/171-synbiaqua-cultivos.html">https://blueconet.com/partners/171-synbiaqua-cultivos.html</a>	Brazil	FURG	Fish producer, shrimp producer
Viveiros do Sul		Brazil	FURG	Fish producer, shrimp producer
Zaltana Pescados	<a href="https://zaltana.com.br/">https://zaltana.com.br/</a>	Brazil	MOP	Fish producer
Algosource	<a href="https://algosource.com/">https://algosource.com/</a>	France	PMBA	Seaweed producer
Bezhin Breizh	<a href="https://www.linkedin.com/company/wealsea">https://www.linkedin.com/company/wealsea</a>	France	PMBA	Seafood producer
Symbiomer	<a href="https://www.symbiomer.com/">https://www.symbiomer.com/</a>	France	PMBA	Seaweed producer
Bradán Beo Teoranta	<a href="http://bradanbeo.ie/">http://bradanbeo.ie/</a>	Ireland	MI	Fish producer
Carlingford Oyster Company	<a href="https://carlingfordoystercompany.ie/">https://carlingfordoystercompany.ie/</a>	Ireland	MI	Mollusk producer
Connemara Abalone	<a href="http://www.abalone.ie/index.html">http://www.abalone.ie/index.html</a>	Ireland	MI	Mollusk producer
Galway Bay Seafoods	<a href="https://www.thedocksidedeligalway.com/">https://www.thedocksidedeligalway.com/</a>	Ireland	MI	Seafood producer
Harty Oysters	<a href="http://hartyoysters.com/">http://hartyoysters.com/</a>	Ireland	MI	Mollusk producer
Killary Fjord Shellfish	<a href="http://killaryfjordshellfish.com/">http://killaryfjordshellfish.com/</a>	Ireland	MI	Mollusk producer
Mannin Bay Salmon Ltd	<a href="https://www.manninbaysalmon.com/">https://www.manninbaysalmon.com/</a>	Ireland	MI	Fish producer
MOWI Ireland	<a href="https://mowi.com/contact/mowi-ireland/">https://mowi.com/contact/mowi-ireland/</a>	Ireland	MI	Fish producer
Murphys Irish Seafood	<a href="https://www.facebook.com/murphysirishseafood/">https://www.facebook.com/murphysirishseafood/</a>	Ireland	MI	Seafood producer

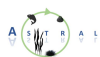


Ocean Farm Ltd	<a href="http://www.gallagherbros.ie/ocean_farm.html">http://www.gallagherbros.ie/ocean_farm.html</a>	Ireland	MI	Fish producer
Ocean Harvest Technology	<a href="https://oceanharvesttechnology.com/">https://oceanharvesttechnology.com/</a>	Ireland	MI	Seaweed producer
Beira Aquaculture		Namibia	UCT	Mollusk producer
FermarSeafoods CC	<a href="https://fermarseafoods.en.ecplaza.net/">https://fermarseafoods.en.ecplaza.net/</a>	Namibia	UCT	Aquaculture producer
Five Roses Aquaculture CC		Namibia	UCT	Mollusk producer
Hangana Abalone (Pty) Ltd	<a href="https://www.linkedin.com/in/herman-theron-6003502a/">https://www.linkedin.com/in/herman-theron-6003502a/</a>	Namibia	UCT	Seafood producer
Lagoon Seafood CC		Namibia	UCT	Seafood producer
Luderiz Mariculture (Pty) Ltd	<a href="https://www.vikingaquaculture.co.za/contact/">https://www.vikingaquaculture.co.za/contact/</a>	Namibia	UCT	Aquaculture producer
Nam Oyster CC	<a href="https://www.facebook.com/namoyster/">https://www.facebook.com/namoyster/</a>	Namibia	UCT	Mollusk producer
Oceangrown Namibia CC		Namibia	UCT	Mollusk producer
Tetelestai Mariculture CC	<a href="https://www.facebook.com/pages/category/Agricultural-Cooperative/Tetelestai-Mariculture-Pty-Ltd-837672629623519/">https://www.facebook.com/pages/category/Agricultural-Cooperative/Tetelestai-Mariculture-Pty-Ltd-837672629623519/</a>	Namibia	UCT	Mollusk producer
Uis Aquaculture Farm		Namibia	UCT	Fish producer
Amuludun Oluwo Fish Farmers Association		Nigeria	NIOMR	Fish producer
Anuoluwapo Fish Farm	<a href="https://anuoluwapofarms.business.site/">https://anuoluwapofarms.business.site/</a>	Nigeria	NIOMR	Fish producer
Aqua Green Integrated Farming Supporting Initiative (AGI)	<a href="http://www.aquagreenintegrated.com.ng">www.aquagreenintegrated.com.ng</a>	Nigeria	NIOMR	Aquaculture producer, organisation
Atlantic Shrimpers Limited	<a href="http://www.fishshop.com.ng">www.fishshop.com.ng</a>	Nigeria	NIOMR	Aquaculture producer
Bethel Farms		Nigeria	NIOMR	Aquaculture producer
Divine Covenant Buguma Farmers	<a href="https://www.facebook.com/ibigbenye.apiambo">https://www.facebook.com/ibigbenye.apiambo</a>	Nigeria	NIOMR	Aquaculture producer, equipment , service supplier
Ejalonibu Fish		Nigeria	NIOMR	Fish producer
Fishful Thinking Consult	<a href="https://fishful-thinking-consult.business.site/">https://fishful-thinking-consult.business.site/</a>	Nigeria	NIOMR	Equipment & Systems
FSF Limited	<a href="http://www.fslimited.com">www.fslimited.com</a>	Nigeria	NIOMR	Fish producer
Mirus Farm Enterprises		Nigeria	NIOMR	Aquaculture producer
Nigerian Institute for Oceanography and Marine Research (NIOMR)	<a href="https://www.niomr.gov.ng/">https://www.niomr.gov.ng/</a>	Nigeria	NIOMR	Aquaculture producer, organisation, research institution
Petex Solution		Nigeria	NIOMR	Aquaculture producer
TEMIDIRE F.C.S		Nigeria	NIOMR	Seafood producer
Triton Aqua Africa Limited (TAAL)		Nigeria	NIOMR	Aquaculture producer
Yah Lateef Fish		Nigeria	NIOMR	Seafood producer
Bremnes Seashore	<a href="https://www.seashore.no/">https://www.seashore.no/</a>	Norway	NORCE	Seafood producer
Cermaq Norway AS	<a href="https://www.cermaq.com/">https://www.cermaq.com/</a>	Norway	NORCE	Seafood producer
Grieg Seafood	<a href="https://griegseafood.com/">https://griegseafood.com/</a>	Norway	NORCE	Seafood producer
Lerøy Ocean Forest	<a href="https://www.leroyseafood.com/en/sustainability/ocean-forest/">https://www.leroyseafood.com/en/sustainability/ocean-forest/</a>	Norway	NORCE	Seafood producer
Lerøy Seafood	<a href="https://www.leroyseafood.com/">https://www.leroyseafood.com/</a>	Norway	NORCE	Seafood producer
Lerøy Vest AS	<a href="https://www.leroyseafood.com/en/contact/our-offices/">https://www.leroyseafood.com/en/contact/our-offices/</a>	Norway	NORCE	Seafood producer
Mowi ASA	<a href="https://mowi.com/">https://mowi.com/</a>	Norway	NORCE	Seafood producer
NRS Farming AS	<a href="https://www.norwayroyalsalmon.com/no">https://www.norwayroyalsalmon.com/no</a>	Norway	NORCE	Fish producer
SalMar Farming AS	<a href="https://www.salmar.no/en/">https://www.salmar.no/en/</a>	Norway	NORCE	Fish producer



Seaweed Solutions AS	<a href="https://seaweedsolutions.com/">https://seaweedsolutions.com/</a>	Norway	AIR Centre	Seaweed producer
Sjøtroll Havbruk AS	<a href="https://www.sjotrollhavbrukas.com/">https://www.sjotrollhavbrukas.com/</a>	Norway	NORCE	Seafood producer
Urchinomics	<a href="https://www.urchinomics.com/">https://www.urchinomics.com/</a>	Norway	NORCE	Aquaculture producer
ALGApplus LDA	<a href="https://www.algaplus.pt/">https://www.algaplus.pt/</a>	Portugal	AIR Centre	Seaweed producer
AquaCria - Sea8	<a href="http://www.sea8.eu/es/">http://www.sea8.eu/es/</a>	Portugal	AIR Centre	Fish producer
Aquicultura e Biotecnologias Marinhas dos Açores (Aquazor)		Portugal	AIR Centre	Innovation & Technology
Centro de Maricultura da Calheta	<a href="https://www.facebook.com/Centro-de-Maricultura-da-Calheta-107295569300977/">https://www.facebook.com/Centro-de-Maricultura-da-Calheta-107295569300977/</a>	Portugal	AIR Centre	Knowledge transfer, service supplier, training
Finisterra	<a href="https://finisterrasa.pt/contacts/">https://finisterrasa.pt/contacts/</a>	Portugal	AIR Centre	Aquaculture producer
Jerónimo Martins Agro-Alimentar (JMA)	<a href="https://www.jeronimomartins.com/pt/sobre-nos/o-que-fazemos/agro-alimentar/">https://www.jeronimomartins.com/pt/sobre-nos/o-que-fazemos/agro-alimentar/</a>	Portugal	AIR Centre	Food industry, investor
Mirabilis - Aquacultura Sustentavel	<a href="http://www.angulata.pt/">http://www.angulata.pt/</a>	Portugal	AIR Centre	Mollusk producer
Testa e Cunhas	<a href="http://www.testacunhas.com/">http://www.testacunhas.com/</a>	Portugal	AIR Centre	Mollusk producer
Lochnell Oysters	<a href="http://www.spanglefish.com/lochnelloysters/">http://www.spanglefish.com/lochnelloysters/</a>	Scotland	SAMS	Mollusk producer
AlgaEnergy	<a href="https://www.algaenergy.es/">https://www.algaenergy.es/</a>	Spain	LEITAT	Microalgae producer
Grup Balfegó	<a href="https://grupbalfego.com/">https://grupbalfego.com/</a>	Spain	LEITAT	Fish producer
Monzón Biotech	<a href="https://mznbiotech.com/">https://mznbiotech.com/</a>	Spain	LEITAT	Microalgae producer
Neoalgae	<a href="https://neoalgae.es/">https://neoalgae.es/</a>	Spain	LEITAT	Microalgae producer

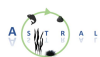
Organisation name	Website	Country	ASTRAL partner	Keyword***
<b>Sector 3: Equipment / Service supplier</b>				
AQAR - Aquaculture Solutions	<a href="https://www.aqar.com.ar/">https://www.aqar.com.ar/</a>	Argentina	CONICET	Innovation, service supplier
Granjas Marinas	<a href="http://www.granjasmarinas.com.ar/">http://www.granjasmarinas.com.ar/</a>	Argentina	CONICET	Equipment
Hidroquil	<a href="https://www.hidroquil.com.ar/">https://www.hidroquil.com.ar/</a>	Argentina	CONICET	Equipment
Indusol	<a href="https://www.indusol.com.ar/">https://www.indusol.com.ar/</a>	Argentina	CONICET	Equipment & Systems
Indutra	<a href="http://www.indutra.com/">http://www.indutra.com/</a>	Argentina	CONICET	Equipment & Systems
José Moscuza & Cía	<a href="http://www.moscuzza.com/web1/">http://www.moscuzza.com/web1/</a>	Argentina	CONICET	Equipment & Systems
Mariscope	<a href="http://mariscope.com.ar/">http://mariscope.com.ar/</a>	Argentina	CONICET	Equipment
Netting	<a href="https://www.nettingsa.com.ar/">https://www.nettingsa.com.ar/</a>	Argentina	CONICET	Equipment
Repicky	<a href="http://www.repicky.com.ar/">http://www.repicky.com.ar/</a>	Argentina	CONICET	Equipment
Agricotec	<a href="http://www.agricotec.net/pt-br">http://www.agricotec.net/pt-br</a>	Brazil	MOP	Equipment
All Aqua	<a href="https://www.all-aqua.pt/">https://www.all-aqua.pt/</a>	Brazil	FURG	Equipment
Alta Mar	<a href="https://altamar.com.br/es-altamar-sistemas-acuaticos/">https://altamar.com.br/es-altamar-sistemas-acuaticos/</a>	Brazil	FURG	Equipment & Systems
Branco Maquinas	<a href="https://www.brancomaquinas.com.br/">https://www.brancomaquinas.com.br/</a>	Brazil	MOP	Equipment
Brusinox	<a href="http://www.brusinox.com.br/">http://www.brusinox.com.br/</a>	Brazil	MOP	Equipment
INVE Aquaculture	<a href="https://www.inveaquaculture.com/latest-news/map/inve-do-brasil/">https://www.inveaquaculture.com/latest-news/map/inve-do-brasil/</a>	Brazil	MOP	Systems



Manzoni	<a href="http://www.manzoni.com.br/produtos/">http://www.manzoni.com.br/produtos/</a>	Brazil	MOP	Equipment & Systems
Multivac	<a href="https://br.multivac-shop.com/">https://br.multivac-shop.com/</a>	Brazil	MOP	Equipment
Trevisan	<a href="https://www.trevisan.ind.br/">https://www.trevisan.ind.br/</a>	Brazil	FURG	Equipment
Wenger	<a href="https://www.wenger.com">https://www.wenger.com</a>	Brazil	MOP	Equipment
Zanatta	<a href="http://www.zanatta.com.br/">http://www.zanatta.com.br/</a>	Brazil	FURG	Equipment & Systems
AquaManager	<a href="https://www.aqua-manager.com/">https://www.aqua-manager.com/</a>	Greece	AIR Centre	Innovation & Technology, service supplier
Aquafact	<a href="http://www.aquafact.ie/">http://www.aquafact.ie/</a>	Ireland	MI	Consulting
Merc Environmental	<a href="http://www.mercenvironmental.com/">http://www.mercenvironmental.com/</a>	Ireland	MI	Consulting
Amicam Farm & Fabrication	<a href="http://amefan.org/">http://amefan.org/</a>	Nigeria	NIOMR	Equipment & Systems
Gabrovic Agric Nig		Nigeria	NIOMR	Equipment, service supplier
Kingdom Aquarium	<a href="http://kingdomaquariumandfisheries.com/">http://kingdomaquariumandfisheries.com/</a>	Nigeria	NIOMR	Equipment
KOAV		Nigeria	NIOMR	Aquaculture producer, service supplier
Ofontim Digital Services		Nigeria	NIOMR	Equipment, service supplier
Akva Group ASA	<a href="https://www.akvagroup.com/home">https://www.akvagroup.com/home</a>	Norway	NORCE	Technology
FoMAS – Fiskehelse og Miljø AS	<a href="https://fom-as.no/">https://fom-as.no/</a>	Norway	NORCE	Service supplier
Imenco	<a href="https://imenco.no/">https://imenco.no/</a>	Norway	NORCE	Technology
Krøger Kaldnes	<a href="https://www.krøgerkaldnes.no/en">https://www.krøgerkaldnes.no/en</a>	Norway	NORCE	Technology
Mørenot Aquaculture	<a href="https://www.morenot.com/aquaculture/">https://www.morenot.com/aquaculture/</a>	Norway	NORCE	Technology
Pharmaq	<a href="https://www.pharmaq.no/">https://www.pharmaq.no/</a>	Norway	NORCE	Aquaculture vaccines and innovation
Satpos AS	<a href="https://sams-norway.no/partners/satpos/">https://sams-norway.no/partners/satpos/</a>	Norway	AIR Centre	Sensors and monitoring
Scale AQ	<a href="https://scaleaq.com/">https://scaleaq.com/</a>	Norway	NORCE	Aquaculture technology, equipment
in2sea LDA	<a href="https://www.in2sea.pt/">https://www.in2sea.pt/</a>	Portugal	AIR Centre	Innovation & Technology
OFISEQ – Offshore Fishfarming Equipment	<a href="https://ofiseq.com/contactos">https://ofiseq.com/contactos</a>	Portugal	AIR Centre	Equipment
SeaForester	<a href="http://seaforester.org/">http://seaforester.org/</a>	Portugal	AIR Centre	Research & Development
Marlow Ropes	<a href="https://www.marlowropes.com/">https://www.marlowropes.com/</a>	UK	SAMS	Equipment
Xylem Analytics Ltd.	<a href="https://www.xylem.com/en-uk/">https://www.xylem.com/en-uk/</a>	UK	SAMS	Equipment
Kames Fish Farming	<a href="https://kames.co.uk/">https://kames.co.uk/</a>	Scotland	SAMS	Aquaculture producer

Organisation name	Website	Country	ASTRAL partner	Keyword***
<b>Sector 4: Feed / Food industry</b>				
Bioceres Semillas	<a href="https://bioceressemillas.com.ar/">https://bioceressemillas.com.ar/</a>	Argentina	CONICET	Feed industry
Bonggiovani	<a href="http://www.grupobongiovanni.com/">http://www.grupobongiovanni.com/</a>	Argentina	CONICET	Feed industry
Gepasa Grupo Pilar	<a href="http://www.gepsa.com/">http://www.gepsa.com/</a>	Argentina	CONICET	Feed industry
Molino Chacabuco	<a href="http://www.molinochacabuco.com.ar/">http://www.molinochacabuco.com.ar/</a>	Argentina	CONICET	Feed industry
Newsan	<a href="https://www.newsan.com.ar/unidades-de-negocio/newsan-food/">https://www.newsan.com.ar/unidades-de-negocio/newsan-food/</a>	Argentina	CONICET	Food industry



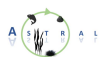


AquaQuality	<a href="http://aquaquality.com.br/">http://aquaquality.com.br/</a>	Brazil	MOP	Feed industry
Aquatec	<a href="http://www.aquatec.com.br/">http://www.aquatec.com.br/</a>	Brazil	MOP	Feed industry
Escama Forte	<a href="https://www.escamaforte.com.br/">https://www.escamaforte.com.br/</a>	Brazil	MOP	Feed industry
Fosfish	<a href="https://www.fosfish.com.br/">https://www.fosfish.com.br/</a>	Brazil	MOP	Feed industry
Guabi	<a href="http://www.guabi.com.br/">http://www.guabi.com.br/</a>	Brazil	FURG	Feed industry
Agriloops	<a href="https://www.agriloops.com/">https://www.agriloops.com/</a>	France	PMBA	Shrimps production, Food industry
Mytilimer	<a href="https://www.linkedin.com/company/la-canalaise---groupe-mytilimer">https://www.linkedin.com/company/la-canalaise---groupe-mytilimer</a>	France	PMBA	Seafood producer
Cargill Aqua Nutrition (EWOS)	<a href="https://www.cargill.com/animal-nutrition/brands/ewos">https://www.cargill.com/animal-nutrition/brands/ewos</a>	Ireland	MI	Aquaculture producer, organisation
Galway Bay Seafoods	<a href="https://www.thedocksidedeligalway.com/">https://www.thedocksidedeligalway.com/</a>	Ireland	MI	Seafood producer
Hexafly	<a href="https://hexafly.com/">https://hexafly.com/</a>	Ireland	MI	Food industry
Skretting	<a href="https://www.skretting.com/">https://www.skretting.com/</a>	Ireland	MI	Feed industry
Sustainable Protein Farms	<a href="https://www.sprofarms.com/">https://www.sprofarms.com/</a>	Ireland	MI	Food industry
Atlantic Shrimpers Ltd	<a href="http://www.primstar.com/">http://www.primstar.com/</a>	Nigeria	NIOMR	Seafood producer
Fudkraft Elite Global Concept Ltd.		Nigeria	NIOMR	Aquaculture producer, Feed industry
Idi-Onyara Farms		Nigeria	NIOMR	Aquaculture producer, Feed industry
Johnrise Venture		Nigeria	NIOMR	Aquaculture producer, Feed industry
Klassic Farms		Nigeria	NIOMR	Food industry
Radiation Agricultural Development and Investment Company West Africa Ltd	<a href="https://www.facebook.com/radiationagric/">https://www.facebook.com/radiationagric/</a>	Nigeria	NIOMR	Feed industry, aquaculture producer
Sammani Consult Nigeria Ltd.		Nigeria	NIOMR	Aquaculture producers, Feed industry
Sejfarm	<a href="https://sejfarm.com.ng/">https://sejfarm.com.ng/</a>	Nigeria	NIOMR	Aquaculture producer
Soulmark Farm		Nigeria	NIOMR	Aquaculture producers, food fish Industry, Investor
Triton	<a href="https://www.linkedin.com/company/triton-group">https://www.linkedin.com/company/triton-group</a>	Nigeria	NIOMR	Feed industry
Austevoll laksepakkeri AS	<a href="http://www.aufi.no/home/">http://www.aufi.no/home/</a>	Norway	NORCE	Fish producer
BioMarA.S.	<a href="https://www.biomar.com/">https://www.biomar.com/</a>	Norway	NORCE	Technology
EWOS AS	<a href="https://www.cargill.com/animal-nutrition/brands/ewos">https://www.cargill.com/animal-nutrition/brands/ewos</a>	Norway	NORCE	Feed industry
Hordafor AS	<a href="http://www.hordafor.no/">http://www.hordafor.no/</a>	Norway	NORCE	Aquaculture producer
Isfjord Norway AS	<a href="https://www.isfjordnorway.no">https://www.isfjordnorway.no</a>	Norway	NORCE	Fish producer
Nordlaks produkter AS	<a href="https://www.nordlaks.no/">https://www.nordlaks.no/</a>	Norway	NORCE	Value chain
Norsk sjømat Stranda AS	<a href="https://www.norsksjomat.no/">https://www.norsksjomat.no/</a>	Norway	NORCE	Value chain
Nova Sea AS	<a href="https://novasea.no/">https://novasea.no/</a>	Norway	NORCE	Value chain
Scanbio Ingredients AS	<a href="https://scanbio.com/">https://scanbio.com/</a>	Norway	NORCE	Value chain
Sinkaberg-Hansen AS	<a href="https://sinkaberghansen.no/">https://sinkaberghansen.no/</a>	Norway	NORCE	Value chain
Skretting AS	<a href="https://www.skretting.com/en/">https://www.skretting.com/en/</a>	Norway	NORCE	Feed industry
Vikenco AS	<a href="https://www.vikenco.no/">https://www.vikenco.no/</a>	Norway	NORCE	Value chain
Sogal/Aquasoja	<a href="https://aquasoja.pt/">https://aquasoja.pt/</a>	Portugal	AIR Centre	Innovation & Technology
SPAROS	<a href="https://www.sparos.pt/about-us/">https://www.sparos.pt/about-us/</a>	Portugal	AIR Centre	Innovation & Technology



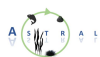


Organisation name	Website	Country	ASTRAL partner	Keyword***
<b>Sector 5: Association / Organisation</b>				
Argentina Submarina		Argentina	CONICET	Association
Asociación Argentina de Acuicultura	<a href="http://acuicultura.org.ar/">http://acuicultura.org.ar/</a>	Argentina	CONICET	Association
Beagle Secretos del Mar	<a href="https://www.facebook.com/Beagle-Secretos-del-mar-144104946622061/">https://www.facebook.com/Beagle-Secretos-del-mar-144104946622061/</a>	Argentina	CONICET	Organisation
Cluster de pesca artesanal Tierra del Fuego	<a href="https://es-la.facebook.com/clusterpescafd/">https://es-la.facebook.com/clusterpescafd/</a>	Argentina	CONICET	Cluster
Grupo PAIBA	<a href="https://grupopaiba.negocio.site/">https://grupopaiba.negocio.site/</a>	Argentina	CONICET	Aquaculture producer, organisation
Aquabio	<a href="http://www.aquabio.com.br/">www.aquabio.com.br/</a>	Brazil	MOP	Association
Associação Brasileira de Criadores de Camarão (ABCC)	<a href="https://abccam.com.br/">https://abccam.com.br/</a>	Brazil	FURG	Association
Bahia Pesca	<a href="http://www.bahiapesca.ba.gov.br/">http://www.bahiapesca.ba.gov.br/</a>	Brazil	MOP	Organisation
Innovation Norway, Brazil office	<a href="https://www.innovasjon.no/en/start-page/about/our-offices/offices-abroad/brazil/">https://www.innovasjon.no/en/start-page/about/our-offices/offices-abroad/brazil/</a>	Brazil	MOP	Innovation, organisation
Peixe BR	<a href="https://www.peixebr.com.br/">https://www.peixebr.com.br/</a>	Brazil	FURG	Association
French Bioeconomy Cluster (IAR)	<a href="https://en.iar-pole.com/">https://en.iar-pole.com/</a>	France	PMBA	Association
Valorial	<a href="https://www.pole-valorial.fr/en/home/">https://www.pole-valorial.fr/en/home/</a>	France	PMBA	Innovation, organisation
Native Oyster Restoration Alliance (NORA)	<a href="https://nora-europe.eu/">https://nora-europe.eu/</a>	Germany	SAMS	Association
Bord Bia	<a href="https://www.bordbia.ie/">https://www.bordbia.ie/</a>	Ireland	MI	Organisation
Irish Farmers Association (IFA)	<a href="https://www.ifa.ie/">https://www.ifa.ie/</a>	Ireland	MI	Aquaculture producers, organisation
Anuoluwapo Cooperative Society	<a href="https://www.facebook.com/Anuoluwapo-Owotutu-Cooperative-1844422872266411">https://www.facebook.com/Anuoluwapo-Owotutu-Cooperative-1844422872266411</a>	Nigeria	NIOMR	Organisation
Babaagbo F.C.S.		Nigeria	NIOMR	
Eco Restoration Foundation	<a href="https://erf.ng/">https://erf.ng/</a>	Nigeria	NIOMR	Organisation
Fisheries Society of Nigeria (FISON)	<a href="https://fison.org.ng/">https://fison.org.ng/</a>	Nigeria	NIOMR	Association
Igbehin Adun Cooperative Society		Nigeria	NIOMR	Association
National Association of Fisheries Students (NAFIS)	<a href="https://www.facebook.com/National-Association-of-Fisheries-Students-NAFIS-297290127439949">https://www.facebook.com/National-Association-of-Fisheries-Students-NAFIS-297290127439949</a>	Nigeria	NIOMR	Association
Yoboyan Cooperative Society		Nigeria	NIOMR	Association
Bellona	<a href="https://bellona.org/">https://bellona.org/</a>	Norway	NORCE	Organisation
GCE Ocean Technology	<a href="https://www.gceocean.no/">https://www.gceocean.no/</a>	Norway	NORCE	Organisation, technology
Naturvernforbundet	<a href="https://naturvernforbundet.no/">https://naturvernforbundet.no/</a>	Norway	NORCE	Organisation
NCE Aquatech Cluster	<a href="https://aquatechcluster.no/">https://aquatechcluster.no/</a>	Norway	MOP	Cluster
NCE Blue Legasea	<a href="https://www.legasea.no/legasea">https://www.legasea.no/legasea</a>	Norway	NORCE	Innovation & Technology
NCE seafood innovation	<a href="https://seafoodinnovation.no/">https://seafoodinnovation.no/</a>	Norway	NORCE	Innovation & Technology
Sjømatbedriftene	<a href="https://sjomatbedriftene.no/">https://sjomatbedriftene.no/</a>	Norway	NORCE	Organisation
The Norwegian Animal Protection Alliance (NAPA)	<a href="https://dyrevern.no/english/">https://dyrevern.no/english/</a>	Norway	NORCE	NGO
The Norwegian Seafood Federation	<a href="https://sjomatnorge.no/norwegian-seafood-federation/">https://sjomatnorge.no/norwegian-seafood-federation/</a>	Norway	NORCE	Association
WWF Norway	<a href="https://wwf.panda.org/wwf_offices/norway/">https://wwf.panda.org/wwf_offices/norway/</a>	Norway	NORCE	Organisation



Asociación Panameña de Acuicultores (ASPAC)	<a href="https://www.aspac.org.pa/">https://www.aspac.org.pa/</a>	Panama		Association
Agência Regional para o Desenvolvimento da Investigação, Tecnologia e Inovação (ARDITI) / Regional Agency for the Development of Research, Technology and Innovation	<a href="http://www.arditi.pt/">http://www.arditi.pt/</a>	Portugal	AIR Centre	Government office, organisation, innovation
BlueBioAlliance	<a href="https://www.bluebioalliance.pt/">https://www.bluebioalliance.pt/</a>	Portugal	AIR Centre	Value chain
Fishing Association of Azores	<a href="https://federacaopescasacores.pt/">https://federacaopescasacores.pt/</a>	Portugal	AIR Centre	Association
North Atlantic Salmon Conservation Organization (NASCO)	<a href="https://nasco.int/">https://nasco.int/</a>	Scotland	AIR Centre	Organisation
Scottish Seaweed Industry Association	<a href="https://www.seaweedsotland.org/">https://www.seaweedsotland.org/</a>	Scotland	SAMS	Association
Aquaculture Association of Southern Africa (AASA)	<a href="https://www.aasa-aqua.co.za/">https://www.aasa-aqua.co.za/</a>	South Africa	CSIR	Association
WWF South Africa	<a href="https://www.wwf.org.za/">https://www.wwf.org.za/</a>	South Africa	CSIR	Organisation
Association of Scottish Shellfish Growers	<a href="https://assg.org.uk/">https://assg.org.uk/</a>	UK	SAMS	Association
AlgaeUK	<a href="https://www.algae-uk.org.uk/">https://www.algae-uk.org.uk/</a>	UK	SAMS	Association

Organisation name	Website	Country	ASTRAL partner	Keyword***
<b>Sector 6: Ministry (Environment, Sea, etc.)</b>				
Benguela Current Commission (BCC)	<a href="https://www.benguelacc.org/index.php/en/">https://www.benguelacc.org/index.php/en/</a>	Angola	UCT	Sustainable exploitation, conservation organisation
Government of Angola	<a href="https://governo.gov.ao/ao/">https://governo.gov.ao/ao/</a>	Angola	UCT	Government office
Ministry of Higher Education, Science, Technology and Innovation	<a href="https://mescti.gov.ao/ao/">https://mescti.gov.ao/ao/</a>	Angola	AIR Centre	Ministry
Ministerio de Agricultura, Pesca y Alimentación	<a href="https://www.mapa.gob.es/es/">https://www.mapa.gob.es/es/</a>	Argentina	CONICET	Ministry
Ministerio de Ambiente y Desarrollo Sostenible	<a href="https://www.argentina.gob.ar/ambiente">https://www.argentina.gob.ar/ambiente</a>	Argentina	CONICET	Ministry
Ministerio de Ciencia, Tecnología e Innovación	<a href="https://www.argentina.gob.ar/ciencia">https://www.argentina.gob.ar/ciencia</a>	Argentina	CONICET	Ministry
Subsecretaría de Pesca y Acuicultura TDF	<a href="https://www.argentina.gob.ar/agricultura/agricultura-ganaderia-y-pesca/subsecretaria-de-pesca-y-acuicultura">https://www.argentina.gob.ar/agricultura/agricultura-ganaderia-y-pesca/subsecretaria-de-pesca-y-acuicultura</a>	Argentina	CONICET	Government office, licensing agency
Secretaria de Aquicultura e Pesca (SAP/MAPA)	<a href="https://www.gov.br/agricultura/pt-br/acao-informacao/institucional/que-m-e-quem/secretaria-de-aquicultura-e-pesca">https://www.gov.br/agricultura/pt-br/acao-informacao/institucional/que-m-e-quem/secretaria-de-aquicultura-e-pesca</a>	Brazil	FURG	Government office, licensing agency
Ministry of Maritime Economy	<a href="https://www.governo.cv/governo/ministerios/ministro-da-economia-maritima/">https://www.governo.cv/governo/ministerios/ministro-da-economia-maritima/</a>	Cabo Verde	AIR Centre	Ministry
Autoridad Nacional de Acuicultura y Pesca (AUNAP)	<a href="https://www.aunap.gov.co/">https://www.aunap.gov.co/</a>	Colombia	AIR Centre	Government office, licensing agency
Dirección de Pesca y Acuicultura	<a href="https://www.minagricultura.gov.co/ministerio/direcciones/Paginas/Direccion-de-Pesca-y-Acuicultura.aspx">https://www.minagricultura.gov.co/ministerio/direcciones/Paginas/Direccion-de-Pesca-y-Acuicultura.aspx</a>	Colombia	AIR Centre	Ministry,
Instituto Costarricense de Pesca y Acuicultura (INCOPECA)	<a href="https://www.incopeca.go.cr/">https://www.incopeca.go.cr/</a>	Costa Rica	AIR Centre	Government office
Junta de Administración Portuaria y de Desarrollo Económico de la	<a href="http://www.japdeva.go.cr/administracion_de_desarrollo/asi">http://www.japdeva.go.cr/administracion_de_desarrollo/asi</a>	Costa Rica	AIR Centre	Government office



Vertiente Atlántica de Costa Rica (JAPDEVA)	stencia_tecnica/pesca-acuicultura.html			
Organización del Sector Pesquero y Acuícola del Istmo Centroamericano (OSPESCA)	<a href="https://www.sica.int/ospesca/">https://www.sica.int/ospesca/</a>	El Salvador	AIR Centre	Organisation
Ministry for the Ecological Transition	<a href="https://www.ecologie.gouv.fr/">https://www.ecologie.gouv.fr/</a>	France	PMBA	Ministry
Ministry of Agriculture and Food	<a href="https://agriculture.gouv.fr/french-ministry-agriculture-and-food">https://agriculture.gouv.fr/french-ministry-agriculture-and-food</a>	France	PMBA	Ministry
Ministry of Higher Education, Research and Innovation	<a href="https://www.enseignementsup-recherche.gouv.fr/">https://www.enseignementsup-recherche.gouv.fr/</a>	France	PMBA	Ministry
Ministry of the Sea / Ministère de la Mer	<a href="https://mer.gouv.fr/">https://mer.gouv.fr/</a>	France	PMBA	Ministry
Department of Agriculture, Food and the Marine (DAFM)	<a href="https://www.gov.ie/en/organisation/department-of-agriculture-food-and-the-marine/">https://www.gov.ie/en/organisation/department-of-agriculture-food-and-the-marine/</a>	Ireland	MI	Government office, licensing agency
Comisión Nacional de Acuicultura y Pesca (CONAPESCA)	<a href="https://www.gob.mx/conapescaca">https://www.gob.mx/conapescaca</a>	Mexico	AIR Centre	Government office
Ministry of Environment, Forestry and Tourism	<a href="https://www.met.gov.na/">https://www.met.gov.na/</a>	Namibia	UCT	Ministry
Agriculture Research Council of Nigeria (ARCN)	<a href="http://www.coraf.org/nigeria/">http://www.coraf.org/nigeria/</a>	Nigeria	NIOMR	Government office
Federal Ministry of Agriculture and Rural Development	<a href="https://fmard.gov.ng/">https://fmard.gov.ng/</a>	Nigeria	NIOMR	Ministry
Federal Ministry of Water Resources	<a href="https://www.waterresources.gov.ng/">https://www.waterresources.gov.ng/</a>	Nigeria	NIOMR	Ministry
Lagos State Agricultural Development Authority (LSADA)	<a href="https://www.lsada.org/">https://www.lsada.org/</a>	Nigeria	NIOMR	Government office
Lagos State Ministry of Agriculture	<a href="https://agriculture.lagosstate.gov.ng/">https://agriculture.lagosstate.gov.ng/</a>	Nigeria	NIOMR	Ministry
Ministry of Climate and Environment	<a href="https://www.regjeringen.no/en/dep/kld/id668/">https://www.regjeringen.no/en/dep/kld/id668/</a>	Norway	NORCE	Ministry
Ministry of Trade, Industry and Fisheries	<a href="https://www.regjeringen.no/en/dep/nfd/id709/">https://www.regjeringen.no/en/dep/nfd/id709/</a>	Norway	NORCE	Ministry
Direcção Regional Ciência e Tecnologia - Azores	<a href="http://www.azores.gov.pt/Gra/CTacores">http://www.azores.gov.pt/Gra/CTacores</a>	Portugal	AIR Centre	Government office
Directorate-General for Maritime Policy (DGPM)	<a href="https://www.dgpm.mm.gov.pt/">https://www.dgpm.mm.gov.pt/</a>	Portugal	AIR Centre	Government office
Regional Secretary Sea and Fisheries - Azores	<a href="https://portal.azores.gov.pt/web/srmp">https://portal.azores.gov.pt/web/srmp</a>	Portugal	AIR Centre	Government office
Ministerio de Ganadería, Agricultura y Pesca	<a href="https://www.gub.uy/ministerio-ganaderia-agricultura-pesca/tematica/acuicultura">https://www.gub.uy/ministerio-ganaderia-agricultura-pesca/tematica/acuicultura</a>	Uruguay	AIR Centre	Ministry

Organisation name	Website	Country	ASTRAL partner	Keyword***
<b>Sector 7: Related peripheric/non-food activities (e.g. industry related to microalgae for biofuel, wastewater)</b>				
Petrobras	<a href="https://petrobras.com.br/en/">https://petrobras.com.br/en/</a>	Brazil	FURG	Value chain, investor
Ceva	<a href="https://www.ceva.com/en">https://www.ceva.com/en</a>	France	PMBA	Services supplier
Alginor	<a href="https://alginor.no/">https://alginor.no/</a>	Norway	NORCE	Value chain
Epax Norway	<a href="https://www.epax.com/">https://www.epax.com/</a>	Norway	NORCE	Food industry
Tekslo Seafood	<a href="https://teksloseaweed.no/en/">https://teksloseaweed.no/en/</a>	Norway	NORCE	Seaweed producer
Hidromod	<a href="https://hidromod.com/">https://hidromod.com/</a>	Portugal	AIR Centre	Consulting, innovation
WavEC	<a href="https://www.wavec.org/">https://www.wavec.org/</a>	Portugal	AIR Centre	Innovation
CSIR Environmental Management Services	<a href="https://www.csir.co.za/environmental-impact-assessment">https://www.csir.co.za/environmental-impact-assessment</a>	South Africa	CSIR	Consulting, services supplier



CyanoLakes	<a href="https://www.cyanolakes.com/">https://www.cyanolakes.com/</a>	South Africa	CSIR	Consulting, services supplier
Lwandle Marine Environment Services	<a href="https://www.lwandle.co.za/">https://www.lwandle.co.za/</a>	South Africa	CSIR	Consulting, services supplier
Veolia Water Technologies	<a href="https://www.veoliawatertechnologies.com/en">https://www.veoliawatertechnologies.com/en</a>	South Africa	CSIR	Technology, services supplier

Organisation name	Website	Country	ASTRAL partner	Keyword***
<b>Sector 8: R&amp;D Institutions and Training &amp; Education (including capacity building)</b>				
Centro de Investigación Aplicada y Transferencia Tecnológica en Recursos Marinos Almirante Storni (CIMAS)	<a href="https://cenpat.conicet.gov.ar/cimas/">https://cenpat.conicet.gov.ar/cimas/</a>	Argentina	CONICET	Research institution
Centro Para el Estudio de Sistemas Marinos (CESIMAR)	<a href="https://cenpat.conicet.gov.ar/cesimar/">https://cenpat.conicet.gov.ar/cesimar/</a>	Argentina	CONICET	Research institution
Instituto de Biología de Organismos Marinos (IBIOMAR)	<a href="https://ibiomar.conicet.gov.ar/">https://ibiomar.conicet.gov.ar/</a>	Argentina	CONICET	Research institution
Instituto de Ciencias Polares, Ambiente y Recursos Naturales (ICPA-UNTDF)	<a href="http://www.untdf.edu.ar/institutos/icpa">http://www.untdf.edu.ar/institutos/icpa</a>	Argentina	CONICET	Research institution, University
Instituto de Investigaciones en Biodiversidad y Biotecnología (INBIOTEC)	<a href="https://inbiotec-conicet.gob.ar/">https://inbiotec-conicet.gob.ar/</a>	Argentina	CONICET	Research institution
Instituto Nacional de Investigación y Desarrollo Pesquero (INIDEP)	<a href="https://www.argentina.gob.ar/inidep">https://www.argentina.gob.ar/inidep</a>	Argentina	CONICET	Research institution
Instituto Nacional de Tecnología Industrial (INTI)	<a href="https://www.argentina.gob.ar/inti">https://www.argentina.gob.ar/inti</a>	Argentina	CONICET	Research institution
Red de Fortalecimiento de la Acuicultura (ReFACUA)	<a href="http://www.refacua.gob.ar/">http://www.refacua.gob.ar/</a>	Argentina	CONICET	Research institution
Universidad Nacional de Tierra del Fuego (UNTDF)	<a href="http://www.untdf.edu.ar/">http://www.untdf.edu.ar/</a>	Argentina	CONICET	University
Universidad Nacional del Comahue (UNCO-CRUB)	<a href="https://www.uncoma.edu.ar/">https://www.uncoma.edu.ar/</a>	Argentina	CONICET	University
Universidad Tecnológica Nacional Chubut (UTNFRCH)	<a href="http://www.frtdf.utn.edu.ar/index.php/en/">http://www.frtdf.utn.edu.ar/index.php/en/</a>	Argentina	CONICET	University
Universidad Tecnológica Nacional Tierra del Fuego (UTNFRTDF)	<a href="http://www.frtdf.utn.edu.ar/index.php/en/">http://www.frtdf.utn.edu.ar/index.php/en/</a>	Argentina	CONICET	University
Empresa Brasileira de Investigação Agropecuária (EMBRAPA)	<a href="https://www.embrapa.br/">https://www.embrapa.br/</a>	Brazil	FURG	Research institution
Federação das Indústrias do Estado de São Paulo (FIESP)	<a href="https://www.fiesp.com.br/">https://www.fiesp.com.br/</a>	Brazil	FURG	Association, organisation
Fundação de Amparo à Pesquisa do Estado de São Paulo (FAPESP)	<a href="https://fapesp.br/en">https://fapesp.br/en</a>	Brazil	FURG	Research institution
Fundação de Amparo à Pesquisa e Inovação do Estado de Santa Catarina (FAPESC)	<a href="https://www.fapesc.sc.gov.br/">https://www.fapesc.sc.gov.br/</a>	Brazil	FURG	Research institution
Fundação de Apoio a Preservação Ecológica (FAPE)		Brazil	FURG	Research institution
Fundação Instituto de Pesca do Estado do Rio de Janeiro (FIPERJ)	<a href="http://www.fiperj.rj.gov.br/">http://www.fiperj.rj.gov.br/</a>	Brazil	FURG	Research institution
Marine Science Institute (Labomar - UFC)	<a href="https://labomar.ufc.br/pt/">https://labomar.ufc.br/pt/</a>	Brazil	AIR Centre	Research institution, University
Universidade Estadual Paulista (UNESP)	<a href="https://www2.unesp.br/">https://www2.unesp.br/</a>	Brazil	FURG	University
Universidade Federal de Santa Catarina (UFSC)	<a href="https://ufsc.br/">https://ufsc.br/</a>	Brazil	FURG	University
Universidade Federal do Rio Grande (FURG)	<a href="https://www.furg.br/">https://www.furg.br/</a>	Brazil	FURG	University
University of Waterloo - Department of Biology	<a href="https://uwaterloo.ca/biology/">https://uwaterloo.ca/biology/</a>	Canada	CHX	University

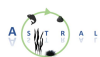


University of Ottawa - Department of Biology	<a href="https://science.uottawa.ca/biology/">https://science.uottawa.ca/biology/</a>	Canada	CHX	University
Centro de Investigación de la Acuicultura (CENIACUA)	<a href="https://www.ceniagua.org">https://www.ceniagua.org</a>	Colombia	AIR Centre	Research institution
Marine and Coastal Research Institute (INVEMAR)	<a href="http://www.invemar.org.co">http://www.invemar.org.co</a>	Colombia	AIR Centre	Research institution
DVOKUT-ECRO Ltd.	<a href="https://dvokut-ecro.hr/home/">https://dvokut-ecro.hr/home/</a>	Croatia	CHX	Consulting, Knowledge transfer
Agrocampus	<a href="https://international.agrocampus-ouest.fr/">https://international.agrocampus-ouest.fr/</a>	France	PMBA	Training & Education Institution
Laboratory of Marine Environmental Sciences (LEMAR)	<a href="https://www.iuem.univ-brest.fr/lemar/">https://www.iuem.univ-brest.fr/lemar/</a>	France	PMBA	Research institution
National Institute for Ocean Science (IFREMER)	<a href="https://wwz.ifremer.fr/en/">https://wwz.ifremer.fr/en/</a>	France	PMBA	Research institution
Roscoff Marine Station (SBR-CNRS)	<a href="http://www.sb-roscoff.fr/en/roscoff-marine-station">http://www.sb-roscoff.fr/en/roscoff-marine-station</a>	France	AIR Centre	Research institution
Indigo-Med	<a href="http://www.indigo-med.com/">http://www.indigo-med.com/</a>	Greece	CHX	Science communication, environmental education
AquaTT	<a href="https://www.aquatt.ie/">https://www.aquatt.ie/</a>	Ireland	AIR Centre	Consulting, Knowledge transfer
Bantry Marine Research Station (BMRS)	<a href="https://www.bmrs.ie/">https://www.bmrs.ie/</a>	Ireland	MI	Research institution
Bord Iascaigh Mhara (BIM)	<a href="http://www.bim.ie/">http://www.bim.ie/</a>	Ireland	MI	Research institution, innovation, training
Galway-Mayo Institute of Technology (GMIT)	<a href="https://www.gmit.ie/">https://www.gmit.ie/</a>	Ireland	MI	Training & Education Institution
NUI Galway	<a href="https://www.nuigalway.ie/">https://www.nuigalway.ie/</a>	Ireland	AIR Centre	University
Trinity College Dublin - Natural Science	<a href="https://naturalscience.tcd.ie/">https://naturalscience.tcd.ie/</a>	Ireland	CHX	University
University College Cork (UCC)	<a href="https://www.ucc.ie/en/">https://www.ucc.ie/en/</a>	Ireland	MI	University
University College Cork - Environmental Research Institute	<a href="https://www.ucc.ie/en/eri/">https://www.ucc.ie/en/eri/</a>	Ireland	MI	Research institution, University
Ca' Foscari University of Venice	<a href="https://www.unive.it/pag/13526">https://www.unive.it/pag/13526</a>	Italy	CHX	University
University of Malta - Research Innovation and Development Trust (RIDT)	<a href="https://researchtrustmalta.eu/">https://researchtrustmalta.eu/</a>	Malta	CHX	University
Sam Nujoma Marine and Coastal Resources Research Centre (SANUMARC)	<a href="https://www.unam.edu.na/sanumarc">https://www.unam.edu.na/sanumarc</a>	Namibia	AIR Centre	Research institution, University
University of Namibia	<a href="https://www.unam.edu.na/">https://www.unam.edu.na/</a>	Namibia	UCT	University
Abubakar Tafawa Balewa University	<a href="https://www.atbu.edu.ng/">https://www.atbu.edu.ng/</a>	Nigeria	NIOMR	University
African Regional Aquaculture Centre (ARAC)	<a href="http://aracniomrph.blogspot.com/">http://aracniomrph.blogspot.com/</a>	Nigeria	NIOMR	Research Institution, Training & Education Institution, aquaculture producer
Agricultural Research Council of Nigeria	<a href="http://www.coraf.org/nigeria/">http://www.coraf.org/nigeria/</a>	Nigeria	NIOMR	Research institution, training
Ahmadu Bello University, Zaria	<a href="https://www.abu.edu.ng/">https://www.abu.edu.ng/</a>	Nigeria	NIOMR	University
Ambrose Alli University, Ekpoma	<a href="https://www.aauekpoma.edu.ng/">https://www.aauekpoma.edu.ng/</a>	Nigeria	NIOMR	University
Badore Model College	<a href="http://lagoschoolsonline.com/schools/profile/1215">http://lagoschoolsonline.com/schools/profile/1215</a>	Nigeria	NIOMR	Training & Education Institution
Basil International Schools	<a href="http://www.basilschools.org/">http://www.basilschools.org/</a>	Nigeria	NIOMR	Training & Education Institution
Chukwuemeka Odumegwu Ojukwu University, Igbariam, Anambra State	<a href="http://www.coou.edu.ng">www.coou.edu.ng</a>	Nigeria	NIOMR	University



Chukwuemeka Odumegwu Ojukwu University, Uli	<a href="https://coou.edu.ng/">https://coou.edu.ng/</a>	Nigeria	NIOMR	University
Delta State School of Marine Technology, Burutu, Delta State	<a href="http://www.dsmt.edu.ng">www.dsmt.edu.ng</a>	Nigeria	NIOMR	Training & Education Institution
Delta State University	<a href="https://www.delsu.edu.ng/">https://www.delsu.edu.ng/</a>	Nigeria	NIOMR	University
Department of Fisheries Technology Federal College of Agriculture, Ishiagu, Ebonyi State	<a href="http://www.fcaishiagu.edu.ng">www.fcaishiagu.edu.ng</a>	Nigeria	NIOMR	Training & Education Institution
Federal College of Education, Pankshin	<a href="http://www.fcepankshin.edu.ng/">http://www.fcepankshin.edu.ng/</a>	Nigeria	NIOMR	Training & Education Institution
Federal College of Fisheries and Marine Research (FCFMT)	<a href="http://www.fcfmt.edu.ng">www.fcfmt.edu.ng</a>	Nigeria	NIOMR	Training & Education Institution
Federal College of Freshwater Fisheries Technology	<a href="https://www.fcfft-newbussa.edu.ng/">https://www.fcfft-newbussa.edu.ng/</a>	Nigeria	NIOMR	Training & Education Institution
Federal Polytechnic Ekowe, Bayelsa State	<a href="http://www.federalpolyekowe.edu.ng">www.federalpolyekowe.edu.ng</a>	Nigeria	NIOMR	Training & Education Institution
Federal University Dutse	<a href="https://fud.edu.ng/">https://fud.edu.ng/</a>	Nigeria	NIOMR	University
Federal University of Agric, Makurdi	<a href="https://uam.edu.ng/">https://uam.edu.ng/</a>	Nigeria	NIOMR	University
Federal University of Technology Minna (FUTMINNA)	<a href="https://futminna.edu.ng/">https://futminna.edu.ng/</a>	Nigeria	AIR Centre	University
Federal University of Technology, Akure (FUTA)	<a href="http://www.futa.edu.ng">www.futa.edu.ng</a>	Nigeria	NIOMR	University
Good Shepherd Schools	<a href="http://www.goodshepherdschools.ng/">http://www.goodshepherdschools.ng/</a>	Nigeria	NIOMR	Training & Education Institution
King's College, Lagos	<a href="http://www.kingscollegelagos.com.ng">www.kingscollegelagos.com.ng</a>	Nigeria	NIOMR	Training & Education Institution
Lagos State Polytechnic	<a href="https://mylaspotech.edu.ng/">https://mylaspotech.edu.ng/</a>	Nigeria	NIOMR	Training & Education Institution
Meadow Hall Schools	<a href="https://meadowhalleducation.org/">https://meadowhalleducation.org/</a>	Nigeria	NIOMR	Training & Education Institution
Michael Okpara University of Agriculture, Umudike, Abia State	<a href="http://www.mouau.edu.ng">www.mouau.edu.ng</a>	Nigeria	NIOMR	University
Nassarawa State University, Keffi	<a href="https://nsuk.edu.ng/">https://nsuk.edu.ng/</a>	Nigeria	NIOMR	University
National Agricultural Extension and Research Liaison, Ahmadu Bello University, Zaria	<a href="https://uss.abu.edu.ng/naerls.php">https://uss.abu.edu.ng/naerls.php</a>	Nigeria	NIOMR	University
National Open University of Nigeria, Fas, Abuja	<a href="https://nou.edu.ng/faculties/faculty-agricultural-sciences">https://nou.edu.ng/faculties/faculty-agricultural-sciences</a>	Nigeria	NIOMR	University
Niger Delta University, Bayelsa State	<a href="https://www.ndu.edu.ng/">https://www.ndu.edu.ng/</a>	Nigeria	NIOMR	Research & Development, Training & Education Institution
Nigerian Institute for Freshwater Fisheries Research	<a href="http://niffr.blogspot.com/">http://niffr.blogspot.com/</a>	Nigeria	NIOMR	University
Nigerian Institute for Oceanography and Marine Research	<a href="https://www.niomr.gov.ng/">https://www.niomr.gov.ng/</a>	Nigeria	NIOMR	Research Institution, training
Oyo State College of Agriculture and Technology, Igboora	<a href="http://www.oyscatech.edu.ng/">http://www.oyscatech.edu.ng/</a>	Nigeria	NIOMR	Training & Education Institution
Rivers State University	<a href="http://www.rsu.edu.ng">www.rsu.edu.ng</a>	Nigeria	NIOMR	University
The Oke-Ogun Polytechnic, Fisheries Unit	<a href="https://www.tops.edu.ng/">https://www.tops.edu.ng/</a>	Nigeria	NIOMR	Training & Education Institution
University of Africa, Toru-Orua, Bayelsa State	<a href="http://www.uat.edu.ng">www.uat.edu.ng</a>	Nigeria	NIOMR	University
University of Benin, Edo State	<a href="https://www.uniben.edu/">https://www.uniben.edu/</a>	Nigeria	NIOMR	University
University of Ibadan	<a href="https://www.ui.edu.ng/">https://www.ui.edu.ng/</a>	Nigeria	NIOMR	University
University of Ilorin, Ilorin	<a href="https://www.unilorin.edu.ng/">https://www.unilorin.edu.ng/</a>	Nigeria	NIOMR	University
University of Jos	<a href="https://www.unijos.edu.ng/">https://www.unijos.edu.ng/</a>	Nigeria	NIOMR	University





University of Lagos	<a href="https://unilag.edu.ng/">https://unilag.edu.ng/</a>	Nigeria	NIOMR	University
University of Maiduguri	<a href="https://www.unimaid.edu.ng/">https://www.unimaid.edu.ng/</a>	Nigeria	NIOMR	University
University of Port Harcourt - Institute of Natural Resources, Environment and Sustainable Development (INRES)	<a href="https://www.uniport.edu.ng/institutes/149-institute-of-natural-resources-environment-and-sustainable-development-inres.html">https://www.uniport.edu.ng/institutes/149-institute-of-natural-resources-environment-and-sustainable-development-inres.html</a>	Nigeria	NIOMR	Research & Development, Training & Education Institution
University of Port Harcourt, Port Harcourt	<a href="https://www.uniport.edu.ng/">https://www.uniport.edu.ng/</a>	Nigeria	NIOMR	University
Akvaplan-niva	<a href="https://www.akvaplan.niva.no/en/home/">https://www.akvaplan.niva.no/en/home/</a>	Norway	NORCE	Consulting, Research & Development
Applied research, technology and innovation (SINTEF)	<a href="https://www.sintef.no/en/">https://www.sintef.no/en/</a>	Norway	NORCE	Research institution
Blueplanet	<a href="https://blueplanetacademy.com/en/">https://blueplanetacademy.com/en/</a>	Norway	MOP	e-learning platform
Institute of Marine Research (IMR) / Havforskningsinstituttet	<a href="https://www.hi.no/en">https://www.hi.no/en</a>	Norway	NORCE	Research institution
Nord University, Faculty of Biosciences and Aquaculture	<a href="https://www.nord.no/en/about/faculties-and-centres/faculty-of-biosciences-and-aquaculture">https://www.nord.no/en/about/faculties-and-centres/faculty-of-biosciences-and-aquaculture</a>	Norway	NORCE	University
Nord University, Faculty of Social Sciences	<a href="https://www.nord.no/en/about/faculties-and-centres/faculty-of-social-sciences">https://www.nord.no/en/about/faculties-and-centres/faculty-of-social-sciences</a>	Norway	NORCE	University
Norsk institutt for vannforskning (NIVA) / Norsk Institutt for Vannforskning	<a href="https://www.niva.no/en">https://www.niva.no/en</a>	Norway	NORCE	Research institution
Norwegian Institute for Nature Research (NINA) / Norsk institutt for naturforskning	<a href="https://www.nina.no/english">https://www.nina.no/english</a>	Norway	NORCE	Research institution
Norwegian Institute of Food, Fisheries and Aquaculture Research (NOFIMA)	<a href="https://nofima.no/en/">https://nofima.no/en/</a>	Norway	NORCE	Research institution
Norwegian University of Life Sciences (NMBU)	<a href="https://www.nmbu.no/en">https://www.nmbu.no/en</a>	Norway	NORCE	University
Norwegian University of Science and Technology (NTNU)	<a href="https://www.ntnu.edu/">https://www.ntnu.edu/</a>	Norway	CHX	University
Norwegian Veterinary Institute / Veterinærinstituttet	<a href="https://www.vetinst.no/en">https://www.vetinst.no/en</a>	Norway	NORCE	Research institution
Skretting Aquaculture Research Centre (ARC)	<a href="https://www.skretting.com/en/research-innovation/">https://www.skretting.com/en/research-innovation/</a>	Norway	NORCE	Research institution
The Arctic University of Norway (UiT)	<a href="https://en.uit.no/startside">https://en.uit.no/startside</a>	Norway	NORCE	University
University of Agder	<a href="https://www.uia.no/en">https://www.uia.no/en</a>	Norway	NORCE	University
University of Bergen, Faculty of Mathematics and Natural Sciences	<a href="https://www.uib.no/en/matnat">https://www.uib.no/en/matnat</a>	Norway	NORCE	University
University of Bergen, Faculty of Social Sciences	<a href="https://www.uib.no/en/svf">https://www.uib.no/en/svf</a>	Norway	NORCE	University
University of Oslo	<a href="https://www.uio.no/english/">https://www.uio.no/english/</a>	Norway	NORCE	University
University of Stavanger	<a href="https://www.uis.no/en">https://www.uis.no/en</a>	Norway	NORCE	University
Western Norway University of Applied Science	<a href="https://www.hvl.no/en/">https://www.hvl.no/en/</a>	Norway	NORCE	University
Centro Interdisciplinar de Investigação Marinha e Ambiental (CIIMAR)	<a href="https://www2.ciimar.up.pt/">https://www2.ciimar.up.pt/</a>	Portugal	AIR Centre	Research institution
DEIMOS	<a href="https://elecnor-deimos.com/">https://elecnor-deimos.com/</a>	Portugal	AIR Centre	Innovation & Technology
Faculty of Sciences & Technology New University of Lisbon	<a href="https://fojo.org/">https://fojo.org/</a>	Portugal	AIR Centre	University



Hydrographic Institute / Instituto Hidrográfico	<a href="https://www.hidrografico.pt/">https://www.hidrografico.pt/</a>	Portugal	AIR Centre	Equipment & Systems
Instituto Superior Técnico (IST)	<a href="https://tecnico.ulisboa.pt/en/">https://tecnico.ulisboa.pt/en/</a>	Portugal	AIR Centre	University
Portuguese Institute for Sea and Atmosphere (IPMA)	<a href="https://www.ipma.pt/en">https://www.ipma.pt/en</a>	Portugal	AIR Centre	Research institution
Universidade dos Açores	<a href="https://www.uac.pt/en">https://www.uac.pt/en</a>	Portugal	AIR Centre	University
University of Algarve	<a href="https://www.ualg.pt/en">https://www.ualg.pt/en</a>	Portugal	AIR Centre	University
University of Aveiro	<a href="https://www.ua.pt/en/">https://www.ua.pt/en/</a>	Portugal	UCT	University
University of Azores	<a href="https://international.uac.pt/">https://international.uac.pt/</a>	Portugal	AIR Centre	University
University of Coimbra	<a href="https://www.uc.pt/en">https://www.uc.pt/en</a>	Portugal	CHX	University
University of Lisbon	<a href="https://www.ulisboa.pt/en/unidade-organica/faculty-sciences">https://www.ulisboa.pt/en/unidade-organica/faculty-sciences</a>	Portugal	AIR Centre	University
Scottish Aquaculture Innovation Centre	<a href="https://www.sustainableaquaculture.com/">https://www.sustainableaquaculture.com/</a>	Scotland	SAMS	Research & Development
University of Ljubljana - Biotechnical Faculty	<a href="https://www.bf.uni-lj.si/sl/">https://www.bf.uni-lj.si/sl/</a>	Slovenia	CHX	University
Cape Peninsula University of Technology (CPUT)	<a href="https://www.cput.ac.za/">https://www.cput.ac.za/</a>	South Africa	UCT	University
Council for Scientific and Industrial Research (CSIR)	<a href="https://www.csir.co.za/">https://www.csir.co.za/</a>	South Africa	UCT	Innovation, services supplier
Oceanic Platform of the Canary Islands (PLOCAN)	<a href="https://www.plocan.eu/en/">https://www.plocan.eu/en/</a>	Spain	AIR Centre	Research & Development, Innovation & Technology
University of La Laguna	<a href="https://www.ull.es/en/">https://www.ull.es/en/</a>	Spain	CHX	University
KTH Royal Institute of Technology in Stockholm	<a href="https://www.kth.se/en">https://www.kth.se/en</a>	Sweden	CHX	Research institution
Delft University of Technology	<a href="https://www.tudelft.nl/en/">https://www.tudelft.nl/en/</a>	The Netherlands	CHX	University
Dokuz Eylul University - Institute of Marine Sciences and Technology	<a href="http://imst.deu.edu.tr/en/">http://imst.deu.edu.tr/en/</a>	Turkey	CHX	University
Ege University - Microalgae Culture Collection	<a href="http://www.egemacc.com/en/">http://www.egemacc.com/en/</a>	Turkey	CHX	University
Cardiff University - School of Earth and Environmental Sciences	<a href="https://www.cardiff.ac.uk/earth-environmental-sciences">https://www.cardiff.ac.uk/earth-environmental-sciences</a>	UK	CHX	University
Centre for Process Innovation	<a href="https://www.uk-cpi.com/">https://www.uk-cpi.com/</a>	UK	CHX	Research institution, Innovation & Technology
Industrial Biotechnology Innovation Centre (IbioC)	<a href="https://www.ibioic.com/">https://www.ibioic.com/</a>	UK	SAMS	Research & Development, innovation
National Oceanography Centre	<a href="https://noc.ac.uk/">https://noc.ac.uk/</a>	UK	CHX	Research institution
UHI Aquaculture Hub	<a href="https://www.uhi.ac.uk/en/research-enterprise/research-themes/mese/aquaculture/">https://www.uhi.ac.uk/en/research-enterprise/research-themes/mese/aquaculture/</a>	UK	SAMS	Research & Development
Ulster University - Geography and Environmental Sciences	<a href="https://www.ulster.ac.uk/faculties/life-and-health-sciences/geography-and-environmental-sciences">https://www.ulster.ac.uk/faculties/life-and-health-sciences/geography-and-environmental-sciences</a>	UK	CHX	University
University of Strathclyde - Naval Architecture, Ocean & Marine Engineering	<a href="https://www.strath.ac.uk/engineering/navalarchitectureoceanmarineengineering/">https://www.strath.ac.uk/engineering/navalarchitectureoceanmarineengineering/</a>	UK	CHX	University

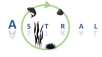




Organisation name	Website	Country	ASTRAL partner	Keyword***
<b>Sector 9: Investors (existing and potential)</b>				
Newsan	<a href="https://www.newsan.com.ar/">https://www.newsan.com.ar/</a>	Argentina	CONICET	Innovation & Technology
Mer Angels	<a href="http://www.mer-angels.org">www.mer-angels.org</a>	France	PMBA	Investors
Aquaspark	<a href="https://www.aqua-spark.nl/">https://www.aqua-spark.nl/</a>	Netherlands	AIR Centre	Investors
Broodstock Capital Partners	<a href="https://www.broodstock.no/">https://www.broodstock.no/</a>	Norway	MOP	Investors
Katapult Ocean	<a href="https://katapultocean.com/">https://katapultocean.com/</a>	Norway	MOP	Investors
Kverva	<a href="https://kverva.no/frontpage">https://kverva.no/frontpage</a>	Norway	MOP	Investors
Aquaculture World		South Africa	UCT	Consulting
Eastern Cape Development Corporation	<a href="http://www.ecdc.co.za/">http://www.ecdc.co.za/</a>	South Africa	UCT	Investors

Organisation name	Website	Country	ASTRAL partner	Keyword***
<b>Sector 10: Certification body (food safety, ecolabel etc.)</b>				
Sello de Calidad Certificada Tierra del Fuego-Fin del Mundo	<a href="https://www.facebook.com/selocalidadtdf/">https://www.facebook.com/selocalidadtdf/</a>	Argentina	CONICET	Certification body
SAI Global Compliance	<a href="https://saiaassurance.ie/audit-and-certification">https://saiaassurance.ie/audit-and-certification</a>	Ireland	MI	Standards
Namibia Standards Institution	<a href="https://www.nsi.com.na/">https://www.nsi.com.na/</a>	Namibia	UCT	Standards
Standards Organisation of Nigeria (SON)	<a href="http://www.son.gov.ng">www.son.gov.ng</a>	Nigeria	NIOMR	Standards
Aquaculture Stewardship Council	<a href="https://www.asc-aqua.org/">https://www.asc-aqua.org/</a>	Norway	NORCE	Standards
Debio	<a href="https://debio.no/english/">https://debio.no/english/</a>	Norway	NORCE	Certification body
Mattilsynet	<a href="https://www.mattilsynet.no/language/english/">https://www.mattilsynet.no/language/english/</a>	Norway	NORCE	Standards
Miljøfyrtårn	<a href="https://www.miljofyrtarn.no/">https://www.miljofyrtarn.no/</a>	Norway	NORCE	Standards
Soil Association	<a href="https://www.soilassociation.org/our-work-in-scotland/">https://www.soilassociation.org/our-work-in-scotland/</a>	Scotland	SAMS	Standards, association
Aquaculture Stewardship Council	<a href="https://www.asc-aqua.org/">https://www.asc-aqua.org/</a>	The Netherlands	SAMS	Certification body, association
Lloyds Register	<a href="https://www.lr.org/en-gb/">https://www.lr.org/en-gb/</a>	UK	SAMS	Standards

Organisation name	Website	Country	ASTRAL partner	Keyword***
<b>Sector 11: Other</b>				
Prevent	<a href="https://www.prevet.com.br/">https://www.prevet.com.br/</a>	Brazil	MOP	Research & Development, service supplier
Bioresources Development Center, Bayelsa	<a href="http://www.biodec.gov.ng/">http://www.biodec.gov.ng/</a>	Nigeria	NIOMR	Government office
Niger Delta Basin Development Authority, Port Harcourt	<a href="http://www.biodec.gov.ng/">http://www.biodec.gov.ng/</a>	Nigeria	NIOMR	Government office, aquaculture producers
Ogun-Oshun River Basin	<a href="https://www.linkedin.com/company/oorbda/">https://www.linkedin.com/company/oorbda/</a>	Nigeria	NIOMR	Government office
Amanzi Biosecurity	<a href="http://www.amanzivet.co.za/">http://www.amanzivet.co.za/</a>	South Africa	UCT	Animal health
Amathemba	<a href="http://amathemba.com/">http://amathemba.com/</a>	South Africa	UCT	Consulting
Anchor Environmental Consultant	<a href="https://www.anchorenvironmental.co.za/">https://www.anchorenvironmental.co.za/</a>	South Africa	UCT	Government office
aQua-design	<a href="https://naturalswimmingpools.co.za/contact.shtml">https://naturalswimmingpools.co.za/contact.shtml</a>	South Africa	UCT	Consulting, systems
Aquaculture Innovations	<a href="https://www.aquaafrica.co.za/">https://www.aquaafrica.co.za/</a>	South Africa	UCT	Consulting, training
AquaEco	<a href="https://www.aquaeco.co.za/">https://www.aquaeco.co.za/</a>	South Africa	UCT	Consulting
Deep Blue Aquatic Systems	<a href="http://deepblueaqua.net/">http://deepblueaqua.net/</a>	South Africa	UCT	Systems, service supplier



D 1.1

ASTRAL-863034