AIR CENTRE IN ATLANTIC AQUACULTURE

RAFAQUA–RAFISMER Joint Workshop · Dakar, Senegal · 7–8 October 2026

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ATLANTIC INTERNATIONAL RESEARCH CENTRE

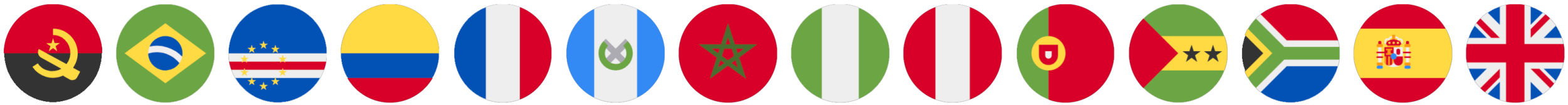
About the AIR Centre

What we are

The Atlantic International Research Centre is a non-profit international organization based on science, aiming at fostering cooperation among partners from the countries of the Atlantic Basin.

Our goal

To contribute for strengthening national organizations, addressing their needs for data and information.



What We Do

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Ocean Policy and Stakeholders Engagement

Biodiversity and Blue Economy

Blue One Health

Data Science, Cloud Infrastructure and Development

Ocean Observation and Modelling

Space Systems and Applications

A Whole-of-Knowledge Cooperation

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Universities & Research Centres

Knowledge generation



State Laboratories

Standards and verification



Regulators

Policy and governance



Economic Sector

Innovation and value creation

AIR Centre conceptual approach



Our Engagement in Atlantic Aquaculture

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ASTRAL

Horizon 2020

The project contributed to the implementation of the Belém Statement to develop a strategic partnership on marine research and participated in building the All Atlantic Ocean Community. The project main goal is to increase value and sustainability for integrated multi-trophic aquaculture (IMTA) production by developing new, resilient, and profitable value chains.

SEAGROW

Seaweed Ecosystem Aquaculture for GROWth and Sustainability · launched 2025

A new EU-funded project advancing sustainable seaweed cultivation and ecosystem restoration across European waters. Extends our IMTA work into low-trophic, regenerative ocean farming.

Our Engagement in Atlantic Aquaculture



BioAquaCV - Hands-On in Cabo Verde

with CESAM

BioAquaCV strengthens capacity-building and collaboration for aquaculture development in Cabo Verde.

*Development of **Bio**markers and Analytical Procedures for **Aqua**culture in **C**ape **V**erde*

Our Engagement in Atlantic Aquaculture

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Networking / Policy-dialogue forum

Ultra-Peripheral Regions Working Group

AIR Centre takes part in the Aquaculture Working Group for the EU's Outermost Regions, convened in French Guiana to discuss the shared aquaculture challenges facing Ultra-Peripheral Regions — from the Azores and Madeira to the Caribbean and South America.

All-Atlantic Ocean Research and Innovation Alliance (AAORIA) Forum

The AAORIA establishes a strategic roadmap uniting partners from the EU, Argentina, Brazil, Cabo Verde, Canada, Ghana, Iceland, Morocco, Norway, Senegal, South Africa, the UK, and the US to tackle Atlantic-wide challenges such as climate change, biodiversity loss, marine pollution, ecosystem restoration, and sustainable ocean economies.

ATLANTIC AQUACULTURE FORUM

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ATLANTIC AQUACULTURE FORUM

ATLANTIC AQUACULTURE FORUM

Brings together policymakers, researchers, and industry leaders to discuss sustainable seafood production and the blue economy across the Atlantic region.

Countries

Angola, Cabo Verde, Portugal, Senegal and Benin (2026)



AAF 2026 at a Glance

ATLANTIC AQUACULTURE FORUM

Objectives

- Review EU market-access requirements and identify compliance actions
- Map convergence across Atlantic nations' institutional priorities
- Improve dialogue between investors and governance bodies
- Identify digital/AI tools suited to data-scarce settings

Target Audience

- National & regional aquaculture authorities and policymakers
- Private investors and financial institutions in the blue economy
- Producers and industry associations
- Research institutions and technology developers

Expected Outcomes

- Shared understanding of market-access requirements and priority actions
- Identified alignment between institutional priorities and private investment
- Consolidated overview of digital/AI tools for low-data contexts
- A summary document with recommendations and follow-up actions

How AAF Meets RAFAQUA's Priorities

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RAFAQUA's Structuring Projects	AIR Centre Activity
1. State of aquaculture — diagnosis & roadmap Mapping imbalances between member countries and defining priority actions.	**Atlantic Aquaculture Forum** An Atlantic-wide platform gathering national priorities and regional perspectives every edition.
2. Legislative & regulatory framework Strengthening States' and partners' visibility in the aquaculture sector.	**Regulatory Access Track + Governance Dialogue** Work on EU market-access compliance and investor–governance alignment.
3. Capacity & new technologies Technical and managerial skills for aquaculture development.	**Digital & AI Tools + PhD Student Network** Practical technology for data-scarce settings, paired with a growing talent pipeline.

AIR Centre Beyond Aquaculture

Fish Stock Assessment



Assessing fish stocks and the impact of climate change on key fisheries — including sardinella dynamics along the Angolan coast — to support resource management grounded in science.

Sargassum: A Transatlantic Challenge



With Universidad Autónoma de México (UNAM) and LANOT, we are improving and expanding a Copernicus/Sentinel-2-based system that predicts sargassum arrivals — a UN Ocean Decade-endorsed initiative. Now extending to Nigeria, with the Nigerian Space Agency.

AIR Centre Forum on *Stock Assessment*

AIR Centre Forum on *Sargassum*

Thank you

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