

UNDER THE HIGH PATRONAGE
OF HIS MAJESTY THE KING MOHAMMED VI MAY GOD ASSIST HIM



PROGRAM

CONFERENCES CYCLE



THEME

— “ —

**RESEARCH AND
INNOVATION
FOR A SUSTAINABLE
FISHERIES SECTOR**

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In the face of growing demand for fishery products amid climate disruptions severely affecting production systems, research and innovation stand as essential pillars for the future of the fisheries sector.

Research and innovation offer unprecedented opportunities to address these challenges. They not only help to better understand the impacts of climate change but also provide concrete solutions to transform fisheries production and value chains while ensuring the sustainability of fishery resources and marine ecosystems.

Research and innovation play a role throughout the entire fisheries value chain, enabling, among other things:

Improving marine ecosystem resilience: Climate impact research helps identify the most vulnerable species and habitats while developing adaptation strategies.

Optimizing resource management: Artificial intelligence (AI) and advanced technologies allow for predicting climate variations, monitoring fish stocks in real-time, and supporting sustainable exploitation.

Developing sustainable alternatives: Technological innovation paves the way for new materials, equipment, and processes with less environmental impact, strengthening the circular economy, transforming production systems, and enhancing the valorization of marine products.

Encouraging sustainable aquaculture: Scientific advances in aquaculture, such as genetic improvements of species and optimization of production systems both on land and at sea, are crucial to meet the growing demand for marine protein while minimizing environmental impact.

In this context, the 7th Edition of the Halieutis Trade Show will highlight the central role of research and innovation in transforming the fisheries sector. A series of conferences and interactive dialogues will bring together researchers, innovators, decision-makers, and private operators to explore innovative solutions, share the latest scientific advancements, and chart the course for sustainable ocean exploitation.

The goal is clear: to make research and innovation the driving forces of a more resilient, sustainable, and high-performing fisheries sector capable of addressing current and future climate challenges.

THURSDAY, 6TH FEBRUARY 2025
09:30 TO 18:30

■ WELCOME AND OPENING REMARKS

Opening Remarks: 09:30 – 10:00

- Her Excellency Zakia Driouch, Secretary of State to the Minister of Agriculture, Maritime Fisheries, Rural Development and Water and Forests, in charge of Maritime Fisheries.
- His Excellency Sidi Tiémoko Touré, Minister for Animal and Fisheries Resources of Côte d'Ivoire and President of the Ministerial Conference on Fisheries Cooperation between African States bordering the Atlantic Ocean (ATLAFCO).
- His Excellency Mr Christophe Lecourtier, Ambassador of France to Morocco.
- M. Abdelhakim Elwaer, FAO Assistant Director.

Keynote Speakers: 10:00 – 10:30

- Pr. Stella B. Williams, Vice President, Mundus maris, Science, Arts and Sustainability. University of Oregon. Building a Better Future for Fisheries: Collective Efforts and Fair Practices.
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■ SESSION 1: 10:30 – 14:30

The aquaculture of tomorrow: Synergy between Research, Innovation, and Sustainable Development

PLENARY SESSION 1: 10:30 – 12:30

KEYNOTE SPEAKER:

Majida Maarouf (Director of ANDA): Aquaculture in full emergence, what challenges for the future?

- M. Fernando Andresen Guimaraes, Director of International Ocean Governance and Sustainable Fisheries, European Commission (DG MARE): Supporting technological advancements and innovative practices in fisheries and aquaculture: a priority to achieve the 2030 Agenda.
- Mr. Houssam Hamza (FAO/GFCM): Aquaculture & Artificial Intelligence for Sustainable Development.
- Dr. Asaad Mohamed (King Abdullah University of Science and Technology, Saudi Arabia): New Mediterranean species, what progress has been made?
- Mr. Lorenzo Juarez (World Bank): Emerging markets for aquaculture products: the case of seaweed farming.

LUNCH: 12:30 – 13:00

SESSION 1 CONCURRENT DIALOGUES: 13:00 – 15:00

Dialogue 1: 13:00 – 14:00: Plenary Room

Recent Technological Innovations in Aquaculture (Organized by ANDA)

- Mr. Michael D. Chambers (University of New Hampshire, USA): Submersible net pen farming for Morocco.
- Mr. Julian DeBontd (Hesj Aquaculture, Netherlands): The latest system innovations.
- Mr. Hmoud Alohal (Saqua, Saudi Arabia): Case Study: Recirculating Aquaculture Systems in Saudi Arabia Aquaculture.
- Mrs. Bernice McLean (World Aquaculture Society, South Africa): Choice of Species and Techniques Adapted to Arid Zones.
- Mr. Othman Krafess (Arade, Morocco): Shrimp farming in Morocco: from idea to reality.
- Mr. Eric Wakkee (O.O.S, Morocco): New mussel farming technologies.

Dialogue 2: 14:00 – 15:00: Plenary Room

Artificial Intelligence and Circular Economy at the service of aquaculture (Organized by ANDA)

- Mr. Ralf Klis (Mussel App, New Zealand): Artificial Intelligence, What applications for aquaculture?
 - Mr. Lahoucine Bengara (XYLEME, USA): Intelligent sensors for detecting pollutants and variations in physico-chemical parameters.
 - Mr. Hicham El Aroussi (Mohammed VI Polytechnic University, Morocco): Microalgae biotechnology – A lever for a new circular bioeconomy in Morocco.
 - Mrs. Mariem Kharroubi, (CSVTPM, INRH): Recycling and reuse of mollusc shells.
 - Mr. Aguilera Jimenez Cristobal (IRTA, Spain): Integrated Multitrophic Aquaculture (IMTA), a circular economy model: principles and applications.
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■ SESSION 2: 15:00 – 18:30

Innovating for Sustainability: Fisheries Management in the Face of Climate Change

PLENARY SESSION 2: 15:00 – 16:30

KEYNOTE SPEAKER:

Kabiné Komara, Former Prime Minister of Guinea – “Blue Economy in Africa”

- Dr. Anass El Aouni, (Mercator Océan International, Toulouse, France): Ocean Forecast in the Era of AI: Enhancing Upwelling, Extreme Event Sensitivity, and Sustainable Fisheries on the Moroccan Coast.
- Mr. Abdelouahed Ben Mhamed, (CEO and Founder of INTELLIGENTICA, Morocco) : Pilot Projects Using Advanced Predictive Models for Fish Stock Distribution: Optimizing Fishing Techniques and Ensuring Robust, Sustainable Research Infrastructure.
- Dr. Vladimir Laptikhovsky, (UK Centre for Environment, Fisheries and Aquaculture Science (CEFAS) Lowestoft, England): Cephalopod Fisheries Management in a Changing Climate: Role of Innovative Technologies and Approaches.
- Dr. Mark Dimech, (Marine Director KAUST Beacon Development, King Abdullah University of Science & Technology): Overcoming Myths and Challenges in Ecosystem-Based Fisheries Management as a Climate Solution.

SESSION 2 CONCURRENT DIALOGUES: 16:30 – 17:30

Dialogue 1: 16:30 – 17:30: Plenary Room

Resilience of Ecosystems and Communities in the Coastal Zone of West Africa: What Innovative Solutions for the Protection of MPAs and Prevention of Marine Pollution? (Organized by The Regional Partnership for the Conservation of the Coastal and Marine Zone – PRCM).

Dialogue 2: 17:30 – 18:30: Plenary Room

Institutional initiatives: Platforms to foster observation

- Mr. Driss Gouaali (INRH): OHM Platform – Strengthen scientific data and information transmission and production in a real time base.
- Dr. Oleya El Hariri (ONSSA): “Atlas” an electronic Platform: An initiative to foster food traceability.

FRIDAY, 7TH FEBRUARY 2025
09:30 TO 18:30

■ SESSION 3: 09:30 – 13:00

The Valorization of Seafood Products: Unlocking the Potential of Seafood Valorization to Serve a Sustainably Competitive Fishing and Aquaculture Industry

PLENARY SESSION 3: 09:30 – 11:30

KEYNOTE SPEAKER:

Dr. Lahsen Ababouch, FAO Senior Advisor and International Expert- Sustainable Fisheries/Aquaculture and Seafood Value Chain: Innovating in fisheries and aquaculture value chains to promote sustainable development.

- **Dr. Veronique Bonnier**, (RD Biotech Director, France)(Videoconference)- Overview and Challenges of High-Value-Added Blue Molecules and Blue Foods .
- **Dr. Mariem Kharroubi**, (RD Biotech Director and Head of the Center for Valorization and Marine Product Technology at INRH in Agadir, Morocco) - From Bioresources to Blue Molecules and Foods: An Ocean of Opportunity.
- **Mr. Charles Delannoy**, (CEO of Procidy and Biotech Marine Expert, France) - Blue Molecules and Blue Food: From Research Development to Industrial Implementation.
- **Mr. Michel Timsit and Mrs. Mathilde Coquelle**, Innovation in the seafood Industry – Potential, Impact, and Financing.
- **Mr. Mounsif Ghezala**, (Banque Populaire Director of Commercial Market SME Engagement - Morocco). Integrated sustainable finance solution.

SESSION 3 CONCURRENT DIALOGUES: 11:30 – 12:30

Dialogue 1: 11:30 – 12:00: Plenary Room

Molecules and Blue Foods: How to Understand Their Genesis and Sustainable Transformation? (Organized by INRH/CSVTPM)

- **Mr. Youssef Radi** (Chief Engineer and Head of the Food Engineering Laboratory - CSVTPM- INRH). Blue foods: from ideation to industrialization.
- **Dr. Hind Mkaem**: (Professor and researcher at the Agronomic and Veterinary Institute (IAV) Rabat): Canned fish in metal cans or flexible packaging: comparative study.
- **Dr. Mounia Lekrati**: (Professor and researcher at the Higher Institute of Marine Fisheries (ISPM) in Agadir): Macroalgae in Morocco: Untapped potential.
- **Dr. Miriam Chikhaoui**: (Researcher at the CSVTPM of the INRH in Agadir): Microalgae: between opportunities and challenges.

Dialogue 2: 12:00 – 12:30: Plenary Room

Clusters and Circular Economy Startups at the Heart of Bioresources (Organized by INRH/CSVTPM & Halipole Agadir)

- **Mrs. Siham Fellahi**, (Coordinator, UGP Development Blue Economy, Ministry of Finance): The Souss Massa Blue Cluster: a lever for territorial development.
- **Mrs. Touria Benrabah**, (Managing Director of Haliopole Agadir): Haliopole Agadir; Catalyst and accelerator of innovation in the field of seafood products valorisation.
- **Mr. Kharbouch Barhoum** (Founder of Lombrisol): When shrimp shells become biofertilizers.
- **Mr. Yassin Belkacem** (Founder of Marly and Dan)(Videoconference): When fish by-products become petfood'.
- **Mr. Bilal Aiyadi and Reda Krarssi** (Co-Founders of Fabws, Sultan Moulay Sliman University. Polydisciplinary Faculty of Khouribga) : When seaweed becomes a coloring agent.

Dialogue 3: 12:30 – 13:00: Plenary Room

Development, support and financing of innovation in the PDM seafood industry (Organized by INRH/CSVTPM and the Directorate of Fisheries Industries)

- Mrs. Lamia Znagui, FENIP Director: Unlock innovation potential in seafood industry.
 - Mr. Hicham Tounsi, Head of the Animal Products Industries Division, Commerce and Industry Ministry: Innovation Support Fund: From patent to pilot industrialization.
 - Mr. Michel Timsit, CEO of GEM (France): European Finance instruments: a concrete case.
 - Mrs. Najat El Moutchou, Ph.D. International Expert World Bank. Blue Ingredients Financing.
 - Mrs. Kenza Gassib (General Director of CRI Souss Massa): The role of CRI Souss Massa as a key partner in innovative industrial projects.
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LUNCH 13:00 – 14:00

■ SESSION 4: 14:00 – 17:30

A Reimagined Governance Through R&D and 'What Fishing for Tomorrow?' – Balancing Sustainability and Performance

PLENARY SESSION 4: 14:00 – 16:00

KEYNOTE SPEAKER:

- Dr. Hamady Diop, (CEO and Founder at DnS Consulting): Leveraging R&D to Balance Sustainability and Performance in Fisheries Governance.
- Dr. Eric Machu, (IRD, France): Decision support tools.
- Dr. Abdellaoui Benyounes, (Sentinel Fishery Project Lead, INRH): The Sentinel Fishery: An Innovative Pillar for Sustainable Fisheries Resource Management in Morocco.
- Mr. Abdelali Lamoudni, (Director of Operations and Commercial Development, ONP): Digital transformation for better seafood traceability: Blockchain?
- Dr. Najih Lazar, (University of Rhode Island (URI), USA. International Expert with USAID)- Africa and Asia Sustainable Small-Scale Fisheries : Charting New Waters: Leveraging Citizen Science for Data-Driven Sustainable Fisheries Management.

SESSION 4 CONCURRENT DIALOGUES: 16:00 – 17:30

Dialogue 1: 16:00 – 17:00: Plenary Room

Focus on the Development of Tomorrow's Fishing Gear Using Biodegradable Plastics (Organized by Ledrezen/INRH/Ifremer)

- Mr. Philippe Mogueudet (Ifremer, Director of the Ifremer Station in Lorient and Project Leader at the Ifremer European and International Affairs Department DAEI): Fishing gear developed by Ifremer for the exploitation of fishery resources within the framework of an ecosystem approach to fisheries management (EAFM).
- Mr. Erwan Tanguy, (Technical Director, Le Drezen SA). Industrial, net producer and fishing gear designer: Presentation of the LINC BioMer project, Innovation for biodegradable ropes and nets at sea.
- Mr. Morgan Deroiné (in videoconference), (R&D Biodegradable Materials Engineer IRMATech): Developing the fishing gear of tomorrow with biodegradable plastics.
- Mr. Yves Grohens, (University of Southern Brittany, Professor of Materials Chemistry and Director of the CompositIC platform): Review of the organisational and technological issues involved in recycling waste from fishing technologies.

Dialogue 2: 17:00 – 17:30: Plenary Room

Identification and Monitoring of Vessels for Better Management of Artisanal Fishing in Côte d'Ivoire (Organized by MIRAH/GAAL/AGUILA)

- Ministère des Ressources Animales et Halieutiques de la Côte d'Ivoire (MIRAH)
 - Moussa Pouye (GAAL)
 - Franck Potiez (AGUILA)
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■ CLOSING CEREMONY OR SPECIAL EVENT. 17:30 – 18:30

SIDE EVENTS IN PARALLEL WITH THE SCIENTIFIC CONFERENCE

Wednesday, 5th February, 2025 (Time TBD)

Organized by Aguila, French Embassy in Rabat, Haliopole Cluster, Maritime Chamber, Soremor, Maritime Fisheries Department, ONP

Title : Research and Innovation in Service of Sustainable Artisanal Fishing: The Franco-Moroccan Phebus Partnership

Thursday, 6th February, 2025 (10:00-12:00 [TBC])

Organized by Dalrefrans Company (FESCO Group) / Russian Federal Agency for Fisheries

Title: Refrigerated Logistics - Driving Sustainability and Efficiency in Fish and Seafood Transportation

Friday, 7th February, 2025 (10:00-12:00)

Organized by Atlanta Sanad

Title: Civil Liability Insurance for Shipowners - Between Obligation and Freedom of Choice?

Speakers:

- Mrs. Chouhaidi Bouchra, Head of the Transport and Logistics Business Unit at AtlantaSanad Insurance
- Mr. Salaheddine Bendahmane, Maritime Officer at SCR

Friday, February 7, 2025 (3:30 pm)

Organized by CSVTPM-INRH and FENIP (Stand FENIP)

"How to operationalize R&D within companies involved in the processing and valorization of seafood products?"

CONFERENCE ON INNOVATION IN AQUACULTURE

AGADIR | FEBRUARY 5-8, 2025

AQUACULTURE PAVILION | HALL E 63

February 5, 2025

14:00-16:00

MasterClass: Shrimp Farming

16:00-17:00

Side Event: Aquaculture and Blue Finance: Catalysts for Value Chain Development

17:00-18:00

MasterClass: Covering Operational Risks in Aquaculture Farms

February 6, 2025

10:30-15:00

Halieutis Fair Conference

«The Future of Aquaculture: Synergy between Research, Innovation, and Sustainable Development»

15:30-17:30

Side Event: FAO – ANDA

Initiatives Supporting Professionals in Aquaculture Sector

February 7, 2025

10:00-11:00

MasterClass: Underwater Diving Techniques for Aquaculture Operations

11:00-13:00

MasterClass: Shrimp Farming

14:30-15:30

Showcase: Aquaculture and Innovation: New Pathways for the Industry

Artificial Intelligence in Aquaculture

15:30-16:30

Showcase: The Norwegian Experience in Aquaculture: Lessons and Opportunities for Moroccan Producers

16:30-17:30

Roundtable: The emergence of Aquaculture in Africa: What Opportunities?

February 8, 2025

10:00-12:00

MasterClass: Shrimp Farming

OFFICIAL PARTNER

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المملكة المغربية

وزارة الفلاحة والصيد البحري

والتنمية القروية والمياه والغابات

مكتبة الدولة المكتبة بالصيد البحري

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