

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



SALON

HALIEUTIS

The event of the halieutic field

**THE SCIENTIFIC CONFERENCE**

**BLUE ECONOMY:**  
Science talks to stakeholders

**CONCEPT NOTE & AGENDA**

# BACKGROUND

Global fisheries and aquaculture production is at a record high and there is no doubt that the sector will play an increasingly important role in providing food and nutrition in the future. Total fisheries and aquaculture production reached a record of 214 million tons in 2020, comprising 178 million tons of aquatic animals and 36 million tons of algae (FAO, 2022). The total value of the global production was estimated at USD 406 billion, comprising USD 141 billion for capture fisheries and USD 265 billion for aquaculture. The ocean plays a major role in the solution of various challenges from food and nutrition security, through social and economic development, to mitigating climate change effects.

However, our coasts and oceans are increasingly exposed to major risks inherent to overfishing, while some marine ecosystems are at the verge of collapse due to the loss of biodiversity, to the effects of climate change and marine pollution, particularly plastic pollution.

To improve our resilience and our capacity to adapt to all these challenges, we must collectively re-imagine and transform our fisheries and aquaculture production systems towards more sustainable models.

Therefore, it is becoming urgent to increase not only the capacity of scientific research and innovation to address all these societal issues, but also to make scientific production more accessible.

All stakeholders in the fisheries and aquaculture sector: fishermen, sea farmers, supply chain professionals, artisans, industrialists, and policy makers are fully occupied on a daily basis in their respective activities.

However, in the face of uncertain contextual changes of the marine ecosystems, all these actors are strongly in need of prospective and especially of a clearer scientific discourse on the possible future evolutions. Efficient immediate scientific solutions and decision support systems for the sustainable development of the fisheries sector are also welcome.

# OBJECTIVES

The aim is to facilitate the transition towards innovative approaches that should enable the stakeholders as first actors and new champions of sustainability, to operate a radical transformation towards sustainable and resilient food production systems.

The 6th Edition of the Halieutis Science Conference to be held in Agadir, Morocco on February 1-5, 2023, aims to contribute to these objectives by featuring a series of visionary plenary speakers invited to share their visions on the future of our ocean and the fisheries sector (fisheries and aquaculture) in the framework of the blue economy during the following three plenary sessions:

- **Plenary Session I:** Realizing the full potential of aquaculture by ensuring the sustainability of marine ecosystems and building on the dynamics of the blue economy.
- **Plenary Session II:** How to leverage science, technology and innovation to transform fisheries into a sustainable sector that fully contributes to food production and blue economy development?
- **Plenary Session III:** Preparing the next generations for the new professions of the sea, science and leadership to build resilient fisheries systems and develop the blue economy of the future.

A series of interactive dialogues is also scheduled between the plenary sessions. These dialogues will be dedicated to debates on how to transform the fisheries and aquaculture sectors to a sustainable blue economy with the support of science and the «big-data» technologies in the new era of the circular economy and the knowledge economy.

## WELCOME AND OPENING REMARKS / 12H00 - 13H30

### Opening Remarks: 12h00 - 12h30

- H.E. Minister of Agriculture, Fisheries, Rural Development, Water and Forests - Morocco

### Prelude Keynote Speakers: 12h30 - 13h30

- Prof. David PASSIG: Futurist, lecturer and associate professor at Bar-Ilan University, Israel  
"The trajectory of human nutrition and what opportunities for sustainable development of the blue economy".
- Dr. Liesl HOTALING: Author of «Preparing a Workforce for the New Blue Economy», Senior Research Engineer at the University of South Florida, USA

## SESSION 1: 14H30 - 19H00

### PLENARY SESSION 1: 14h30 - 15h45

**Realizing the full potential of aquaculture ensuring sustainability and powering the blue economy.**

- Dr. Amir SAGI: Specialist in crustaceans physiology at Ben-Gurion University of the Negev, Israel
- Dr. Ian G. GLEADALL: Marine Biologist at Tohoku University, and AiCeph LLC, Sendai, Japan
- Dr. Raffael JOVINE: Founder & Chief Scientist at Brilliant Planet, Author of "Light to Life", United Kingdom
- M. Vincent DOUMEIZEL: Seaweed specialist, Senior Advisor at the UN Global Compact, United Kingdom
- Dr. Nadia BERDAY: Hassan II Agronomic and Veterinary Institute (IAV), Morocco

### SESSION 1 CONCURRENT DIALOGUES: 16h00 - 19h00

#### Dialogue 1

*16h00-17h30: Plenary Room*

Market, opportunities and innovation for a sustainable the tomorrow aquaculture: How to meet market opportunities with stakeholders constrains?

(Organized by ANDA)

#### Dialogue 2

*17h30 - 19h00: Plenary Room*

The Eilat Conference "Sea the Future: Food from Sea and Desert" Follow-up Morocco - Israel aquaculture cooperation.

(Organized by Israel Ministry of Agriculture and Rural Development, and INRH)

#### Dialogue 3

*16h30-18h00: Moroccan Pavilion*

World Aquaculture Society, African Chapter and promotional Maghreb

(Organized by World Aquaculture Society and ALLER AQUA)

## SESSION 2: 10H00 - 15H30

### PLENARY SESSION 2: 10h00 - 11h00

**Leveraging science, technology and innovation in fisheries to improve sustainability and secure food production in the eve of the Blue Economy development.**

- Dr. Ismahane ELOUAFI: Chief Scientist, (FAO), Italy (TBC)
- Dr. Ray HILBORN: Professor, University of Washington School of Aquatic and Fishery Sciences, USA
- M. Miguel BERNAL: Executive Secretary of the General Fisheries Commission for the Mediterranean (FAO), Italy
- M. Mark DIMECH: Fisheries Program Director, King Abdullah University of Science and Technology, Saudi Arabia

### SESSION 2 CONCURRENT DIALOGUES: 11h30 - 15h30

#### Dialogue 1

*11h30- 13h00: Plenary Room*

Climate Vs Fisheries: the path to sustainability is a ridge line that requires a close coordination between all stakeholders

(Organized by INRH/COMAIP/SIPO/FENIP/FAO)

#### Dialogue 2

*14h00-15h30: Plenary Room*

Partnerships and contribution of fisheries agreements to the national development in Africa

(Organized by DG-MARE UE / LDAC)

#### Dialogue 3

*11h30-13h00: Moroccan Pavilion*

Promoting a blue circular economy in the fish processing value chain

(Organized by SwitchMed - ONUDI - UE - DIPM - INRH)

## SPECIAL EVENT: 17H00 - 18H30

**Spain-Morocco Cooperation in Fisheries Sector: from fisheries opportunities to blue economy perspectives.**

The long and historical cooperation in fisheries activity between Morocco and Spain is been progressively evolving to a more and comprehensive new and sustainable blue economy cooperation. A panel of 4 to 6 experts, of different stakeholder horizons (policy makers, operator and scientific) will highlight this evolution and the possible perspectives with at the key, a sustainable partnership and strong friendship between the two countries.

### SESSION 3: 10H00 – 17H00

#### PLENARY SESSION 3: 10h00 – 11h15

**Preparing Next Generation of Scientists, Ocean leaders and Workforce to fuel the Blue Economy of the future.**

- Ms. Liesl HOTALING: Author of "Preparing a Workforce for the New Blue Economy", Senior Research Engineer at the University of South Florida, USA
- Ms. Evy COPEJANS: Cofounder and managing director of EMSEA, European Marine Science Educators, Belgium
- M. Bouchta EL MOUMNI: Président de l'Université Abdelmalek Essaâdi et délégué national du Maroc auprès de la Commission scientifique de la mer Méditerranée (CIESM), Morocco
- Ms. Alison CLAUSEN: Marine Policy and Regional Coordination Section, Programme Specialist at Intergovernmental Oceanographic Commission - UNESCO, France
- M. Plácido PLAZA: General Secretary of CIHEAM, France

#### SESSION 3 CONCURRENT DIALOGUES: 11h30-17h00

##### Dialogue 1

11h30-13h00: Plenary Room

What are the new skills and new jobs, science, data, education do we need for the blue economy we want?

(Organized by EMSEA / ANDA / INRH / DirPM)

##### Dialogue 2

15h00-16h00: Plenary Room

The blue belt initiative: a potential impactful program for the Ocean Decade

(Organized by INRH / IOC)

##### Dialogue 3

16h00-17h00: Plenary Room

Financing new blue economy.

(Organized by INRH and ANDA)

More details on the dialogues will be released soon on the website [www.salonhalieutis.com](http://www.salonhalieutis.com)