

# Tentative agenda

## Advancing Aquaculture Health Research

### Workshop to Identify the Highest Priority Research Areas for Finfish Health

20-21 February 2025  
WOAH HQ, Paris, France

Organised by:



In collaboration with:



The workshop has been possible thanks to sponsorship from:



Canada



**Australian Government**  
Department of Agriculture,  
Fisheries and Forestry



**Gates Foundation**

## Day 1

20 February, WOA HQ, Paris 9.00-18.00

9.00

### Welcome and Introduction

*Chair: Gregorio Torres, Head Science Department, WOA*

**Objective :** Welcome participants and set the stage for the workshop by introducing the background that led to its organization, and its key objectives, acknowledging the importance of international collaboration for research in aquatic animal health

**Desired Outcome:** Participants are aligned on the purpose

#### Opening speech from WOA DG

*Emmanuelle Soubeyran, WOA - Director General*

#### WOA Aquatic Animal Health Strategy

*Montserrat Arroyo, WOA Deputy Director General - International Standards and Science*

#### STAR-IDAZ International Research Consortium for Animal Health

*Valeria Mariano, WOA - STAR-IDAZ Secretariat*

9.40

### Session 1: Challenges in aquatic animal health

*Chair: Larry Hammell, WOA CC Epidemiology and Risk Assessment of Aquatic Animal Diseases (Americas), Atlantic Veterinary College*

**Objective:** Identify key challenges facing finfish health, including emerging diseases, AMR in aquaculture, diagnostics, and vaccine advancements.

**Desired Outcome:** Participants understand the current landscape, challenges, and research gaps in finfish health, setting the context for subsequent sessions.

#### Global consultation on research needs for aquaculture: overview of survey results

*Larry Hammell, WOA CC Epidemiology and Risk Assessment of Aquatic Animal Diseases (Americas), Atlantic Veterinary College*

#### Data challenges in aquaculture

*Edgar Brun, Dept. Aquatic Animal Health and Welfare, Norwegian Veterinary Institute*

#### Environmental drivers of disease emergence

*David Bass, WOA CC Emerging Aquatic Diseases, CEFAS*

#### Enhancing Fish Welfare & Health management

*Francesc Padros Bover, UAB*

#### Tackling AMR in Aquaculture: a One health approach

*Alicia Gallardo, AAHSC, WOA CC Antimicrobial Stewardship in Aquaculture, University of Chile*

#### Strengthening Aquaculture Biosecurity: a One Health perspective

*Mohamed E. Abou El Atta, WOA CC Aquatic Animal Health Management in the Middle East, Central Laboratory for Aquaculture Research (CLAR)*

Q&A

**11.30** **Coffee break**

**12.00** **Session 2: Overview of regional and global research network on aquatic animal health**

*Chair: Nelly Isyagi, Fisheries and Aquaculture Trade and Investment Expert, AU-IBAR*

**Objective:** Showcase existing global and regional research efforts, fostering awareness and potential synergies among participants.

**Desired Outcome:** Increased awareness of global research networks and research priorities identified, leading to strengthened collaboration and identification of complementary research activities.

**WorldFish: projects on aquatic animal health**

*Jérôme Delamare-Deboutville, WorldFish*

**Perspectives on how aquatic animal health research priorities are funded by international agencies**

*Armando Heriazon, Senior Programme Manager Specialist, IDRC*

**Strategic Research Agendas on aquaculture (CWG AHW) and new funding options (EUP AH&W)**

*Nathalie Vanderheijden, Coordinator of the European Partnership on Animal Health and Welfare*

**An introduction to the Gates Foundation Aquaculture Programme**

*Kimberly Churchwell, Aquaculture Programme Manager, Gates Foundation*

**Q&A**

**13.00** **Lunch break**

**14.00** **Session 3: Workshop 1 - Epidemiology & control strategies research needs**

*Chair: Edgar Brun, Dept. Aquatic Animal Health and Welfare, Norwegian Veterinary Institute*

**Objective:** Facilitate in-depth discussions on research needs for control strategies in aquatic animal health, using a World Café format for interactive engagement.

**Desired Outcome:** List of priority research areas for control strategies (e.g. priority diseases to focus on, short and long term research needs, particular research needed for standard setting) for major finfish production species (salmonids, carp, catfish, tilapia).

**Control strategies research needs: overview of survey results**

*Edgar Brun, Dept. Aquatic Animal Health and Welfare, Norwegian Veterinary Institute*

**Redefining Boundaries: The Role of Epidemiological Units in Advancing Aquatic Disease Surveillance and Control**

*Saraya Tavoranpanich, AAHSC, WOAHC Epidemiology and Risk Assessment of Aquatic Animal Diseases (Europe), Norwegian Veterinary Institute*

**Instruction for the World Café session**

*Valeria Mariano, WOAHC - STAR-IDAZ Secretariat*

## Q&A

**15.00-17.00**

**Working groups activities**

**17.00-17.30**

***Break***

*(Time for leaders to rearrange ideas for the plenary presentation)*

**Plenary discussion**

**Closing remarks**

*Edgar Brun, Dept. Aquatic Animal Health and Welfare, Norwegian Veterinary Institute*

**18.00**

**Close of the workshop**

## Day 2

21 February, WOA HQ, Paris 9.00-18.00

9.00

Session 4: Workshop 2 - Diagnostic research needs

*Chair: Nick Moody, Group Leader for ACDP Fish Diseases Laboratory, CSIRO Australian Centre for Disease Preparedness*

**Objective:** Facilitate in-depth discussions on research needs for diagnostics in aquatic animal health, using a World Café format for interactive engagement.

**Desired Outcome:** List of diagnostic priority research areas (e.g. priority diseases for which diagnostic is needed, short and long term research needs, particular research needed for standard setting) for each main finfish production species (salmonids, carp, catfish, tilapia).

### Welcome and day introduction

#### Diagnostic research needs: overview of survey results

*Nick Moody, Group Leader for ACDP Fish Diseases Laboratory, CSIRO Australian Centre for Disease Preparedness*

#### Diagnostic advances on aquatic diseases

*Hong Liu, AAHSC, WOA Reference Centre SVCV & IHNV, Animal and Plant Inspection and Quarantine Technical Center*

#### Instruction for the World Café session

*Latifa Elhachimi, Kreavet, STAR-IDAZ Secretariat*

### Q&A

9.30-11.30

Working groups activities

11.30-12.00

**Break**

*(Time for leaders to rearrange ideas for the plenary presentation)*

### Plenary discussion

#### Closing

*Nick Moody, Group Leader for ACDP Fish Diseases Laboratory, CSIRO Australian Centre for Disease Preparedness*

12.30

**Lunch break**

**13.30**                      **Session 5: Workshop 3 - Vaccines & Therapeutics research needs**  
*Chair: Ha Thanh Dong, Aquaculture and Aquatic Resources Management, Asian Institute of Technology*

**Objective:** Facilitate in-depth discussions on research needs for vaccines and therapeutics in aquatic animal health, using a World Café format for interactive engagement.

**Desired Outcome:** List of vaccine and therapeutics priority research areas (e.g. priority diseases for which vaccine and therapeutics are needed, short and long term research needs, particular research needed for standard setting) for each main finfish production species (salmonids, carp, catfish, tilapia).

**Vaccines and Therapeutics research needs: overview of survey results**

*Ha Thanh Dong, Aquaculture and Aquatic Resources Management, Asian Institute of Technology*

**Vaccine advances on aquatic animal diseases**

*Carlos Leal, Federal University of Minas Gerais*

**Instruction for the World Café session**

*Latifa Elhachimi, Kreavet, STAR-IDAZ Secretariat*

**Q&A**

**14.00-16.00**

**Working groups activities**

**16.00-16.30**

**Break**

*(Time for leaders to rearrange ideas for the plenary presentation)*

**Plenary discussion**

**Closing**

*Ha Thanh Dong, Aquaculture and Aquatic Resources Management, Asian Institute of Technology*

**17.00**                      **Session 6: Panel discussion on way forward**

*Chair: Montserrat Arroyo, WOA Deputy Director General – International Standards and Science*

**Objective:** Engage industry leaders and research program owners in a discussion on advancing finfish health research, examining pathways for enhanced collaboration for impactful outcomes.

**Desired Outcome:** Establish actionable strategies for industry-research collaboration, fostering investment and support for sustainable aquatic health solutions.

**Panel discussion: Perspectives for Advancing Finfish Health Research**

*Kimberly Churchwell, Aquaculture Programme Manager, Gates Foundation*

*Armando Heriazon, Senior Programme Manager Specialist, IDRC*

*Nelly Isyagi, President, World Aquatic Veterinary Medical Association*

*Ben North, Director, Global Commercial Development, Aquaculture Health, Zoetis*

*Steve Wilson, Director Vital programme Research & Development, GALVmed*

**Closing remarks**

*Montserrat Arroyo, WOA Deputy Director General – International Standards and Science*

**18.00 Close of the workshop**