Updates on Asia-Pacific Aquatic Animal Health Network (AP AquaNet)

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World Organisation for Animal Health Organisation Ormondiale Mide la santé de animale Ar

Organización Mundial de Sanidad Animal Fundada como OIE

33rd Conference of the Regional Commission for Asia and the Pacific, New Delhi, India, 13 – 16 November 2023



- 1. Aquaculture in Asia-Pacific
- 2. Asia-Pacific Aquatic Animal Health Network (AP AquaNet)
- 3. Updates on aquatic animal health activities under the AP AquaNet









Aquaculture in Asia-Pacific

Updates on Asia-Pacific Aquatic Animal Health Network





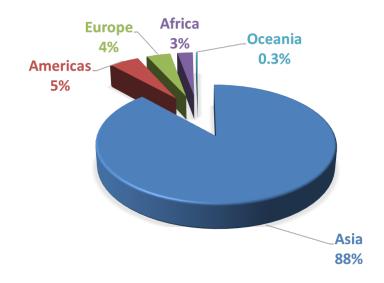




Aquaculture in the Asia-Pacific

Production

- Significant food production sector
- Livelihood opportunities (small-scale farming communities)
- Contributes to food security, nutrition and poverty alleviation



Source: FAO, 2023. Global aquaculture production 1950-2021 (FishStatJ)

Rank	Country	Production (x1000 T)	⁰ / ₀
1	China	51,200	56.3
2	India	9,403	10.3
3	Indonesia	5,515	6.1
4	Viet Nam	4,736	5.2
5	Bangladesh	2,639	2.9
6	Norway	1,665	1.8
7	Egypt	1,576	1.7
8	Chile	1,427	1.6
9	Thailand	990	1.1
10	Myanmar	929	1.0
•••	more		
	Total global production	90,900	100.0

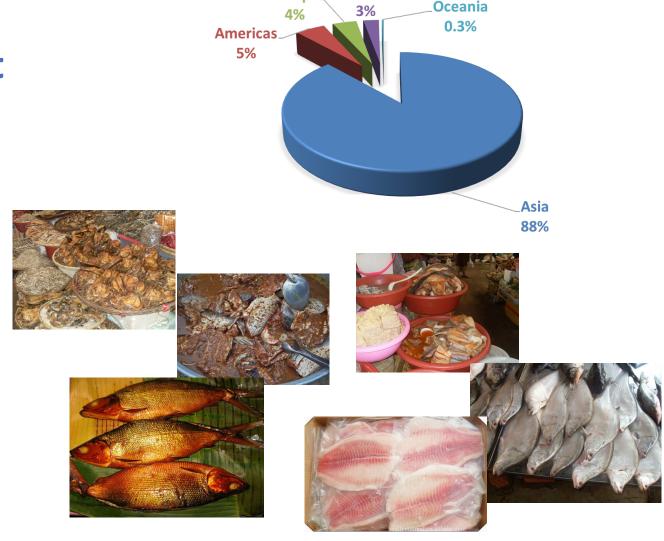


Aquaculture in the Asia-Pacific

Asia-Pacific accounts for about 90% of global aquaculture production

Fish Consumption:

Asia accounts for nearly 70% of global consumption.

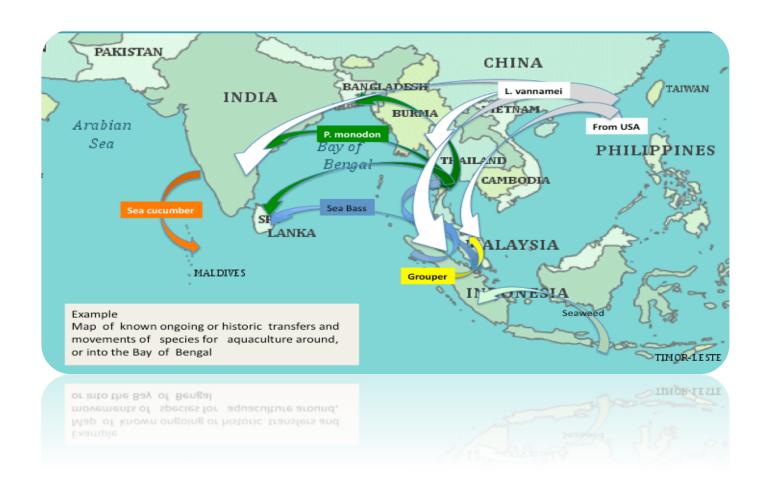


Africa

Europe.



Aquaculture Development



Movement of live aquatic animals and aquatic animal products within and across national boundaries is a necessity for economic, social and industry development purposes.



Trading and Movement







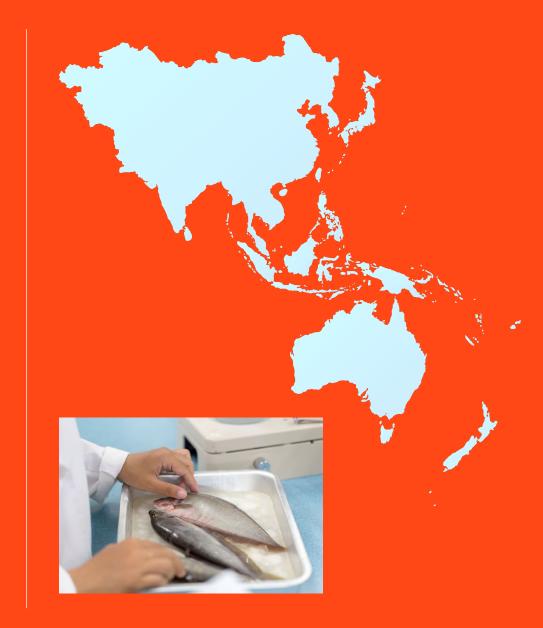
May lead to introduction of new and emerging pathogens and to disease establishment – may pose risks to importing country's animal, plant and human health status.





Asia-Pacific Aquatic Animal Health Network (AP AquaNet)

Updates on Asia-Pacific Aquatic Animal Health Network





Asia-Pacific Aquatic Animal Health Network (AP AquaNet)

A framework of actors to strengthen laboratory capacity for aquatic animal disease activities in Asia and the Pacific

Framework objectives

- Strengthen collaboration between WOAH Reference Centres and Members
- Share and exchange information e.g., test validation, reference materials, and positive samples



Rationale

Challenge

- Increase in emerging disease occurrence but limited resource
- ❖ Need for improved transparency of aquatic animal disease information
- Lack of coordination mechanism among stakeholders

Regional experts agreed:

- Need for proficiency testing, test validation, and emergency response
- Need to draw existing activities and professional expertise of WOAH Reference laboratories



Expert Consultation Meeting on Aquatic Animal Disease Diagnosis and Control, Bangkok, Thailand, November 2018





Progress and outcomes

Expert consultation meeting on aquatic animal Disease Diagnosis and Control

Establishment of theFramework was endorsed

First Steering Committee Meeting

- Discussion on implementation of activities

Nov 2018 Sep 2019 Nov 2019 Nov 2020

Proposed to form aFramework

31st OIE Regional Conference for Asia, the Far East and Oceania - Ad hoc Steering Committee formed;

ToRs and work plan drafted;

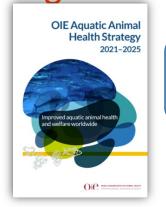
- Research focus identified

Second Steering Committee Meeting





Progress and outcomes



WOAH Aquatic
Animal Health
Strategy launched

Third Steering Committee Meeting Fourth Steering Committee Meeting

Dec 2021

June 2023







May 2021











Stakeholders involved in the network for Asia-Pacific

Collaborating
Centres and
Reference
Laboratories in
Asia Pacific

Aquatic
Animal
Health
Standard
Commission

Focal Points for Aquatic Animals in Asia Pacific WOAH
Regional
Representation
Asia Pacific

Partners:

Other Partners & Institutions:

Regional networks - an excellent mechanism to operationalize the Aquatic Animal Health Strategy to meet regional needs and strengthen collaboration.

NACA, SEAFDEC, FAO. Universities,
Research
institutions,
Private
companies,
Donor..

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Updates on aquatic animal health activities under the AP AquaNet

Updates on Asia-Pacific Aquatic Animal Health Network







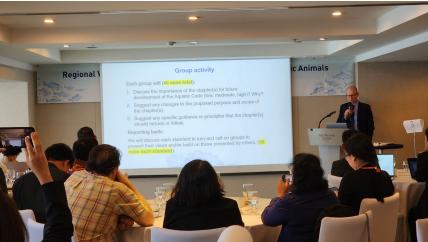
Regional Workshop for WOAH National Focal Points for Aquatic Animals

- Busan, Republic of Korea
- **❖** 26 − 28 June 2023
- **❖**48 attendees
- Standard, disease reporting, aquaculture biosecurity, laboratory capacity, emergency preparedness, AMR in aquaculture, PVS aquatic











Meetings of ad hoc Steering Committee of the Regional Collaboration Framework for Aquatic Animal Health Network for Asia and the Pacific

or AP AquaNet

- ❖1st meeting (Bangkok, Thailand, November 2019)
- ❖ 2nd meeting (Virtual meeting, December 2020)
- ❖ 3rd meeting (Virtual meeting, December 2021)
- ❖4th meeting (Busan, ROK, June 2023)









The 4th meeting of *ad hoc* Steering Committee for the AP AquaNet

- ❖ Busan, Republic of Korea
- **❖** 29 June 2023
- ❖ Adopted new name Asia Pacific Aquatic Animal Health Network (AP Aqua Net)
- ❖ Reports on Flagship activities (2020 2022)
- ❖ Flagship activities (2023 2025) identified
- *Experts and partners provided updates on projects implemented at their institutes.







Flagship activities (2020 – 2022)

- ❖ Aquaculture Biosecurity in small-scale holders
- Evaluation of AHPND causative agent
- Regional collaboration to respond to emerging diseases of aquatic animals







Collection and Evaluation of Existing Guidelines and Awareness Materials on Aquaculture Biosecurity for Smallscale Farms in the Asia-Pacific Region

Final Report

Prepared by:

Network of Aquaculture Centres in Asia-Pacific

Eduardo M. Leaño (Project Leader)

Senior Programme Officer, Aquatic Animal Health Programme

June, 2022

https://rr-asia.woah.org/wp-content/uploads/2022/07/final-report-woah-naca-aquaculture-biosecurity-project-final.pdf



Aquaculture Biosecurity in Small-Scale Holders

- Appropriate farm-level biosecurity measures were synthesized;
- Recommended farm-level biosecurity measures applicable to small-scale farms;
- Can be used as guidance in formulating farm-level aquaculture biosecurity measures by most countries in the region

- I. Australia
- 2. Bangladesh
- 3. China
- 4. India

- 5. Indonesia
- 6. Malaysia
- 7. New Zealand
- 8. Thailand
- 9. Vietnam

Risk assessment

Record keeping

Training

Measures to reduce disease transmission

Emergency procedures

Monitoring and audit

Disease reporting

Control measures post-outbreak



Evaluation of Existing Acute Hepatopancreatic Necrosis Disease (AHPND)

Diagnostic Methods

AHPND pathogenesis is not so simple as was once thought;

- WOAH reference laboratories and researchers are encouraged to collect histopathology data in addition to using molecular diagnostic methods;
- Suggested to continue ongoing collaborative effort from all the WOAH reference laboratories in order to develop an optimal AHPND diagnostic protocol.







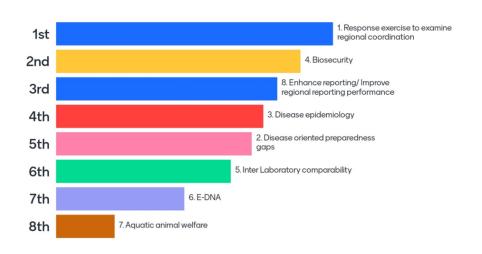
Flagship activities (2023 – 2025)

- *Response exercise to examine regional coordination and response to emerging disease
- Assessment of on-farm biosecurity in aquaculture
- Improving Aquatic Animal Diseases Reporting in Asia and the Pacific



Ranking







Other activities

- A platform for sharing training materials and scientific information on aquatic animal health
- ❖ Regional Aquatic Animal Disease Report

WOAH regional webinars

- ❖Virtual Consultation Meeting on AMR and AMU in Aquaculture (June 2021)
- ❖PVS Aquatic: Virtual Information Session for Asia and the Pacific (2023)
- Workshop for Disease Notification and Aquatic Animals Focal Points (June 2023)

Information Sharing Platform on Aquatic Animal Health



https://rr-asia.woah.org/en/projects/aquatic-animal/

Home > Regional Activities > Regional Aquatic Animal Disease Report from 2021

LAST UPDATE: 28 JULY 2023

Regional Aquatic Animal Disease Report from 2021



2021

- Australi
- Deceledar
- Rrunei
- Chinese Taipei
- India (Ian Cor
- Malaucia
- Myanmar
- New Caledonia
- New Zeala
- Philippines
- Singapo

2022

- Australia (Jan J
- Bangladesh
- Chinese Taine
- . . .
- Malaysia
- Myanmar
- Singapore
- Thailand
- Vietnam

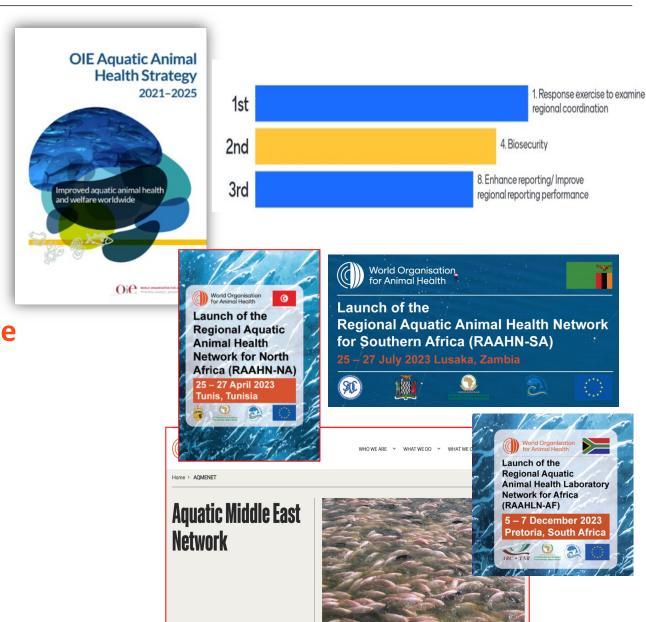


Priority areas for future activities

- Implementation of the WOAH Aquatic Animal Health Strategy
- ❖ Flagship activities (2023 2025)
- **❖**AMU/AMR in Aquaculture (2024)

Inter-regional collaboration and knowledge sharing

Guidance and support - a benchmark for other regional aquatic animal health networks



Thank you



AP AquaNet

