



Veterinærinstituttet
Norwegian Veterinary Institute

OIE CC for Epidemiology and Risk Assessment of Aquatic Animal Diseases (Europe):

Activities and 5-year plan

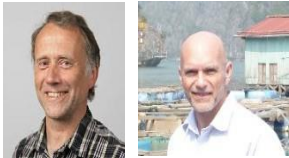
Mona Dverdal Jansen, Section for Epidemiology, NVI





Collaborating Centre
for Epidemiology and
Risk Assessment of
Aquatic Animal Diseases
(Europe)

Two designated co-chairs :



Dr.
Edgar
Brun

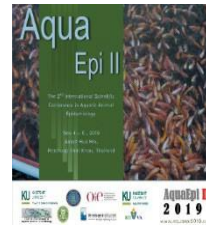
Dr.
Larry
Hammel

AquaEpi I:
1st global conference in
epidemiology and
diseases in aquatic
animals.
Norway

Co-chair
replaced ERAAAD,
NVI



Dr.
Saraya
Tavorpanich

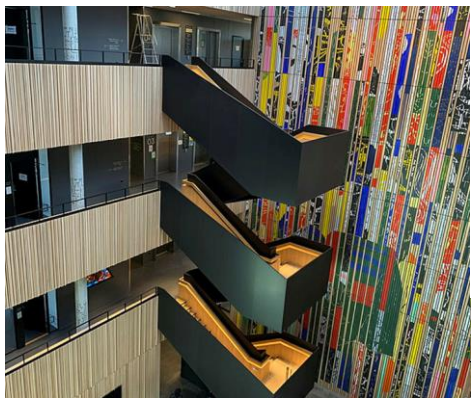


AquaEpi II - Thailand
Workshop on
Aquatic RA

- ERAAAD – Europe (NVI)
- ERAAAD – Americas (AVC)

5 year (2020-2024) strategic goals

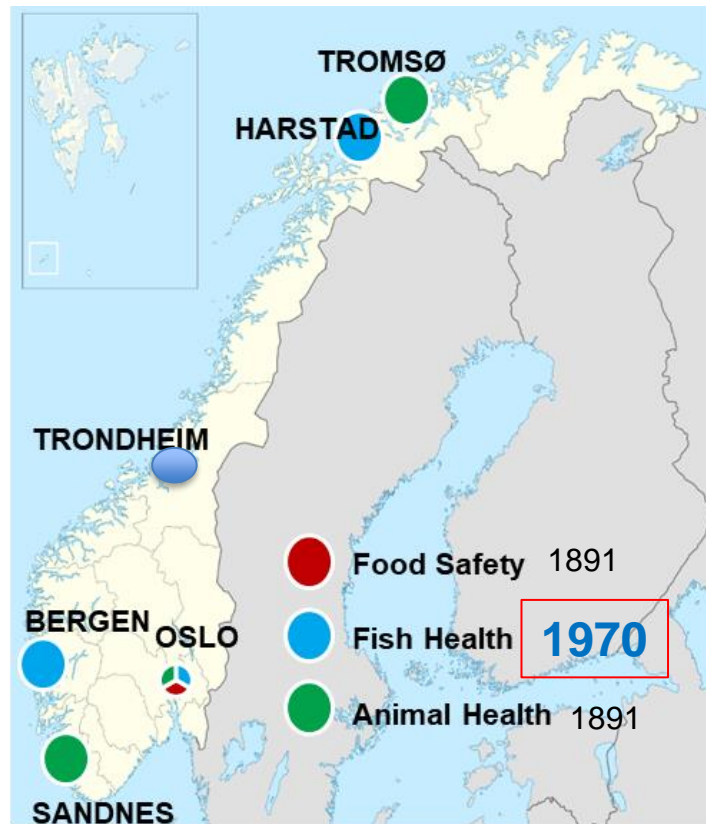




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2021





Norwegian Food Safety
Authority



Norwegian Ministry of Trade,
Industry and Fisheries



Norwegian Ministry
of Climate and Environment



SjømatNorge



DIRECTORATE OF FISHERIES



Collaborating Centre
for Epidemiology and
Risk Assessment of
Aquatic Animal Diseases
(Europe)

OIE Collaborating Centre for
Economics in Animal Health

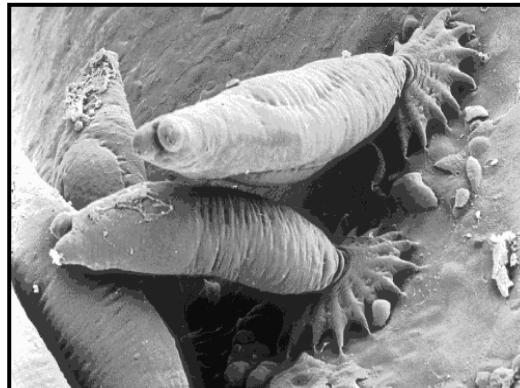
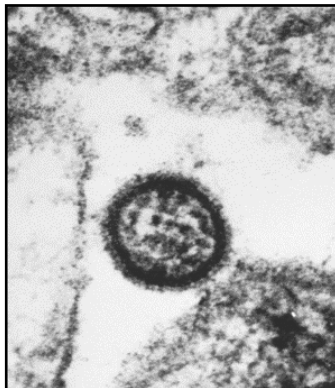


OIE reference laboratory

Infectious salmon anaemia

Salmonid alphavirus

Gyrodactylus salaris





Food and Agriculture Organization
of the United Nations



UCDAVIS
UNIVERSITY OF CALIFORNIA

OIE Collaborating Centre for ERAAAD (Europe)

Five-year strategy plan

Impacts and Key Objectives

Reduce disease spread and sustain global aquaculture production

- Build epidemiological capacity at national - and farm level
- Improve aquatic animal epidemiology competence -> raise awareness of basic concepts on disease dynamics, biosecurity, health management & diagnostics
- Advance in developing digital technologies and tools for aquatic animal health monitoring, surveillance & disease management

OIE Collaborating Centre for ERAAAD (Europe)

Five-year strategy plan

Focus Area(s) and Specialities

- All aquatic animal species -> global
- Epidemiology (theoretical and analytical)
 - risk assessment
 - biosecurity
 - mathematical modelling of disease dynamics
 - field evaluation of disease diagnostics
 - designing surveillance programmes
 - bioinformatics
 - development of database systems and data-driven management

OIE Collaborating Centre for ERAAAD (Europe)

Planned activities

- Yearly training courses on “Use of Bayesian Latent Class Analysis for diagnosis of aquatic animal diseases”, Ås, Norway (2021 - 2024)
- AquaEpi III - New Delhi, India (2022 or 2023)
- E-learning modules in aquatic epidemiology and risk assessment

OIE Collaborating Centre for ERAAAD (Europe)

Ongoing activities

Fish for Development (Ghana)



Improved regulatory framework for protection of the aquatic environment to secure sustainable aquaculture production

Fish for Development (Colombia)



Improved fish health management in the aquaculture industry



Norad



Improved data collection and monitoring of the aquaculture industry

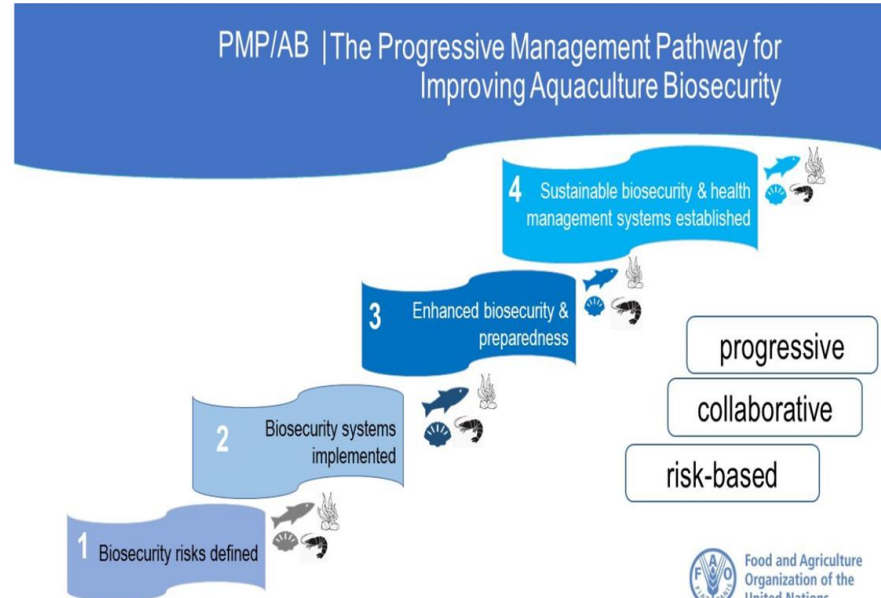
OIE Collaborating Centre for ERAAAD (Europe)

Ongoing activities

FAO Progressive Management Pathway for Aquaculture Biosecurity (PMP/AB)



FAO Fish-Vet Dialogue



OIE Collaborating Centre for ERAAAD (Europe)

Ongoing activities

Increased Sustainability in the Aquaculture Sector in SSA, through improved Aquatic Animal Health Management (AHA)



Norad



WorldFish

OIE Collaborating Centre for ERAAAD (Europe)

Recently completed activity

FAO Active surveillance 12-point checklist

REVIEWS IN Aquaculture

Reviews in Aquaculture (2021) 13, 1469–1487

doi: 10.1111/raq.12530

A 12-point checklist for surveillance of diseases of aquatic organisms: a novel approach to assist multidisciplinary teams in developing countries



Bondad-Reantaso *et al.*, 2020



Photo: MMAF, Indonesia 2019

Thank you for listening!



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— *Norwegian Veterinary Institute*

www.vetinst.no