



World Organisation  
for Animal Health



# Training of National Focal Points for Aquatic Animal Health (Cycle IV)

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# NVI's work in Kenya

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# Ghana – some activities

- Baseline study on pathogens (Lake Volta, ponds)
- Study on carrying capacity in Lake Volta
- National Aquaculture Development Plan GNADP 2023 – 2027
- One-stop-shop model for aquaculture licensing
- Tilapia species cultivated in Lake Volta has foreign origin and illegal introduction
- Laboratory equipment to Veterinary Services Laboratory and local labs
- Data collection guidelines /web-based system for data flow from farmers
- Coming up – designing feed trials with industry, histopathology training

# Some challenges

- Political and bureaucratic
- Priority by fishery commission
- Administrative obstacles
- Find common ground with other international projects/actors

# In collaboration

- NORWEGIAN UNIVERSITY OF LIFE SCIENCES,
  - UNIVERSITY OF GHANA,
  - KWAME NKRUMAH, UNIVERSITY OF SCIENCE AND TECHNOLOGY (GHANA),
  - UNIVERSITY OF DEVELOPMENT STUDIES (GHANA)
  - UNIVERSITY OF LAGOS (NIGERIA),
  - NORWEGIAN VETERINARY INSTITUTE
- 
- Educating eight (8) PhD candidates to support academic teaching staff as well as 16 master students in Aquatic animal and Environmental Health Management.
  - Support in developing a curriculum for a graduate degree program in Aquatic Animal and Environmental Health at the University of Ghana.

# Madagascar

- “Tilapia de l’Est” - operating within the entire tilapia value chain from fingerlings production to grow-up until the commercialization.
- Currently eight (8) cooperative members with app. 450 individual farmers

# NVI task;

- To assess documentation and practices of fish health management in TDE's hatcheries
- To assess TDE farmers' ponds on practices in relation to documented best practices
- To propose short- and long-term surveillance programmes
- Sampling to establish base line level of pathogens
- Training of staff in sampling procedures, logistics and early detection
- Re-visit in two years

# Analyses will be performed at

- Institut Pasteur de Madagascar - bacteriology
- University of Ghana -virology
- Norwegian Veterinary Institute - histopathology



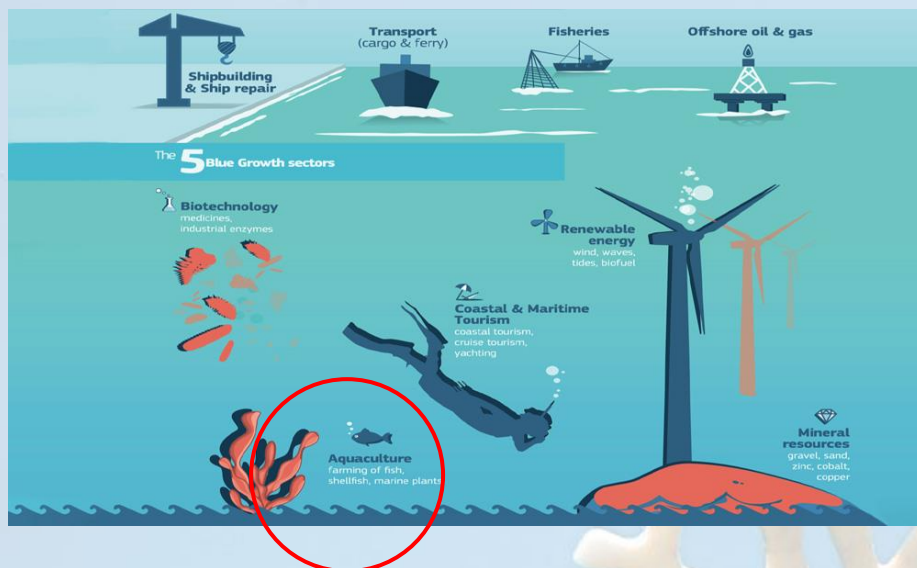
# Kenya

## Increased Sustainability in the Aquaculture Sector in SSA through Improved Aquatic Animal Health Management

- World Fish and NVI
- 13 MSc students (U of Ghana and U of Nairobi)
- Practical training (physical in Abbassa and webinars) of participants from different countries and different background
  - Lab, fish health management, biosecurity, epidemiology, vaccination,
- Epidemiological field study performed
- Network building between participants

# Blue economy

- BE comprises of the economic activities that create sustainable wealth from the world's **oceans, coasts, lakes and rivers**



# Kenya --- Blue Economy



- High Level Panel for Building a Sustainable Ocean Economy (2018)
- Conference in Nairobi centered on the two conceptual pillars:
  - (1) Sustainability, Climate Change and Controlling Pollution
  - (2) Production, Accelerated Economic Growth, Jobs and Poverty Alleviation
- Kenya seeks to expand its **aquaculture** industry to support growth in the Blue Economy. This include both finfish, shellfish and macroalgae.
- Particular **focus on fish food, fingerlings/hatcheries/nurseries and fish health**, identified as the most critical bottlenecks to further development of marine- and inland aquaculture in Kenya.

# Further work

- Norway and Kenya working on a bilateral collaboration on BE
  - GIZ implementing partner with experiences from Aquaculture under EU Go Blue program
- NVI invited for discussions on aquatic animal health; welfare, diagnostics and health management
- ... a 2-day Blue Economy Seminar in Mombasa, May 2023, was planned - postponed
- Together with focal point Dr Murugami, aim for broader discussions early -24 to identify how a collaboration can benefit on-going work to improve **aquatic animal health as part of the Blue Economy of Kenya**



Thank you all



2021/22

