

WorldFish Partnerships and Support to Aquatic Animal Health in Africa Rose K. Basiita and Shimaa Ali

Training of National Focal Points for Aquatic Animal Health 2-4th October 2023, Kigali - Rwanda



Introduction

- WorldFish and partners have supported several initiatives regarding Aquatic Animal Health in Africa
 - National Aquatic Organisms' Health Strategy (support during development and implementation)
 - Technical support surveillance (EUS and TiLV) Zambia
 - Training- Egypt, Malawi (short courses LUANAR)







Introduction cont...

- Disease-free Genetic Improvement Programs (GIPs) – Emphasis on disease screening and biosecurity
 - Oreochromis niloticus Abassa, Egypt
 - O. andersonii- Zambia
 - O. Shiranus in Malawi





WorldFish support through

- The Zambia Aquaculture Enterprise Development Project(ZAEDP)-FAO, DVS, DoF, UNZA –Vet – research and development
- Fish (broodfish- GIP) screening and biosecurity measures focus on hatcheries





https://digitalarchive.worldfishcenter.org/bitstream/handle/20.500.12348/5332/33c1c9edb671d39a1ab 53c4319416161.pdf?sequence2 WorldFish

WorldFish support through

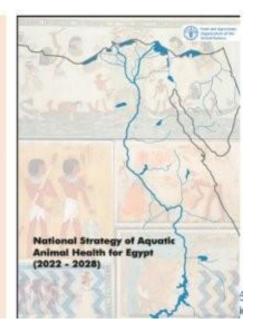
- FISH CRP- Built on earlier work- Research done with the DoF, DVS, and UNZA quick surveillance in hatcheries across the country
 - indicated a negative Tilapia Lake Virus and EUS
 - Previous work had already established the presence of EUS in the wild.
- All work was necessary for the support of the Government in the development of the AAHS for Zambia



Support to governments in NAAHS/NAAOHS

- In partnership with FAO
- Worked with DVS to generate initial information used to support the development of AAHS
- Stakeholder engagement and participation in the strategy development – Zambia and Egypt
- Stakeholders Vet services, Fisheries, academia and industry

National Strategy on Aquatic Animal Health for Egypt (NSAAH-EG) 2021

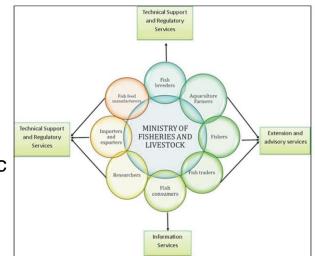




The National Aquatic Animal Health Strategy and Implementation Plan - Zambia

This strategy was led by the Ministry of Fisheries and Livestock – working with partners. (launched in May 2021)

- The National Aquatic Animal Health Strategy (NAAHS) consists of five strategies
- Implementation Plan (2021 2024) to actualize the five strategic objectives.
- Objective 1: Enhance Aquatic Animal Health Management
- Objective 2: Enhance AAH Research and Development
- Objective 3: Enhance collaboration with stakeholders
- Objective 4: Improve the AAH Institutional capacity
- Objective 5: Operationalize AAH Laboratories and support services





Program for Improving Fisheries Governance and Blue Economy Trade Corridors in SADC Region (PROFISHBLUE)

Funded by AFDB, SADC has sought our support to implement 2 major components of the PROFISHBLUE

Component I: Improving collaborative governance of transboundary fisheries and genetic resources

- Promote genetic improvement and aquaculture programs/regional hatchery support and training and research
- Develop digital fisheries information systems (DFIS)

Component II: Policy harmonization and trade facilitation towards intra-regional trade.

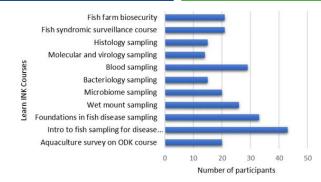






Capacity building in Aquatic Animal Health-NORAD funded project

- Under the Increased Sustainability in the Aquaculture Sector in SSA through Improved Aquatic Animal Health Management project
- Participants trained (Ghana, Kenya, Malawi, Mozambique and Zambia) in sustainable aquatic animal health including
- Targeting veterinary scientists and other experts involved in aquatic animal health (DVSs and DoFs)
- <u>https://worldfishcenter.org/project/incraesed-sustainability-aquaculture-sector-sub-saharan-africa-through-improved-aquatic</u>





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

(AHA project)





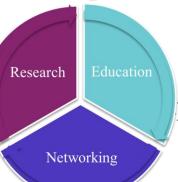


🗾 Veterinærinstituttet Norwegian Veterinary Institute



The college of Agriculture & Veterinary Sciences (CAVS) of the University of Nairobi

In partnership with





The College of Basic & pplied Sciences (CBAS) of the University of Ghana (UG)

WorldF

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



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Aquatic Animal Health resources developed for research and education

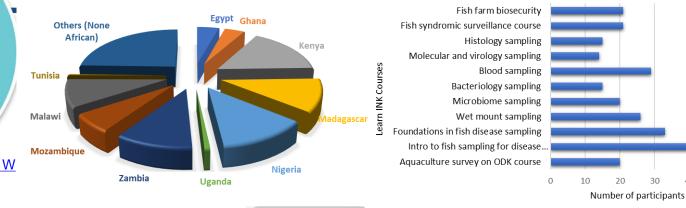
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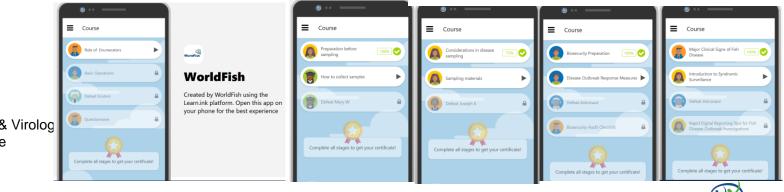
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Education

- -Introduction to me disease diagnostics: https://bit.ly/39RfhO0
- -Foundations in fish disease sampling: <u>https://bit.ly/3kVQm1W</u> -Wet mount sampling: <u>https://bit.ly/3ojMTfT</u>
- -Microbiome sampling: https://bit.ly/2XZ5931
- -Blood sampling: https://bit.ly/3F82nd4
- -Bacteriology sampling: https://bit.ly/3oljnX2
- -Molecular Diagnostics & Virolog sampling: bit.ly/3yGre6e -Histology sampling: https://bit.ly/3zUCKs4





Aquatic Animal Health resources developed for research and education



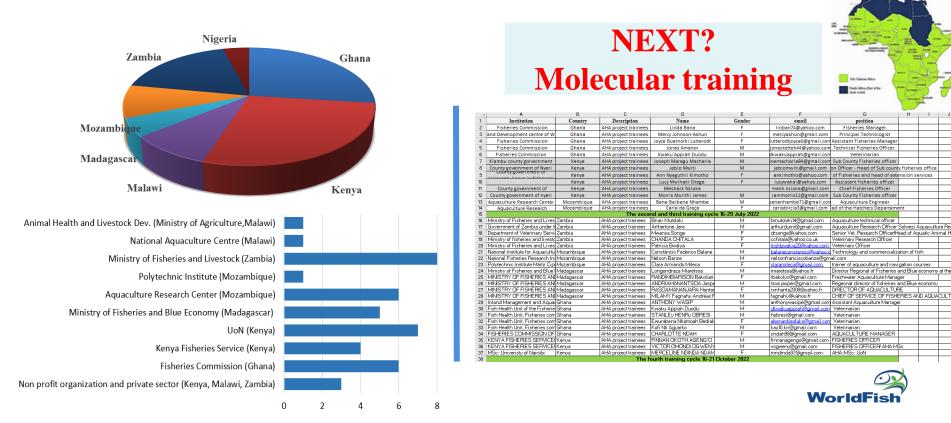
Face-to-face training programs for SSA; Physical training at FAIH/Egypt



https://worldfishcenter.org/project/increased-sustainability-aquaculturesector-sub-saharan-africa-through-improved-aquatic



Face-to-face training programs for SSA; Physical training at FAIH/Egypt



Face-to-face training programs for SSA; Basic Epidemiology and Outbreak Investigation in Aquatic Animals



Face-to-face training programs for SSA; Physical training





Training activities Abbassa, Egypt





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