

Fleming Fund Country Grants

Regional Training Workshop on AMR in Aquaculture in Africa



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Mott MacDonald

- Mott MacDonald is a global company with expertise in multi-sectoral international development and fund management.
- On behalf of the UK Government, Mott MacDonald is the Management Agent responsible for funding, allocation and oversight of all investments across the Fleming Fund portfolio, including;
 - Country grants
 - Regional grants
 - Fellowship programme
 - Strategic alignment grants



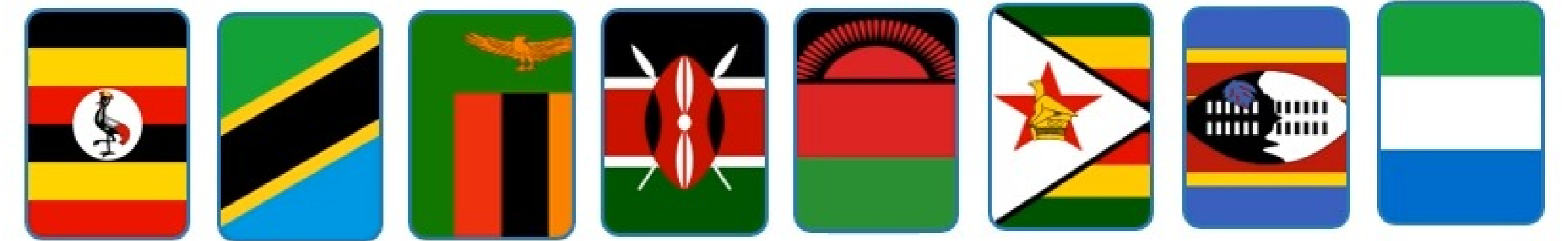
Where we operate: in Africa

Principles

-  Country Ownership
-  Alignment
-  Sustainability
-  One Health
-  Gender & Equity

14 African Countries

Uganda, Tanzania, Zambia, Kenya, Malawi, Zimbabwe, Rwanda, Eswatini, Sierra Leone, Gabon, Cameroon, Ghana, Nigeria and Senegal.



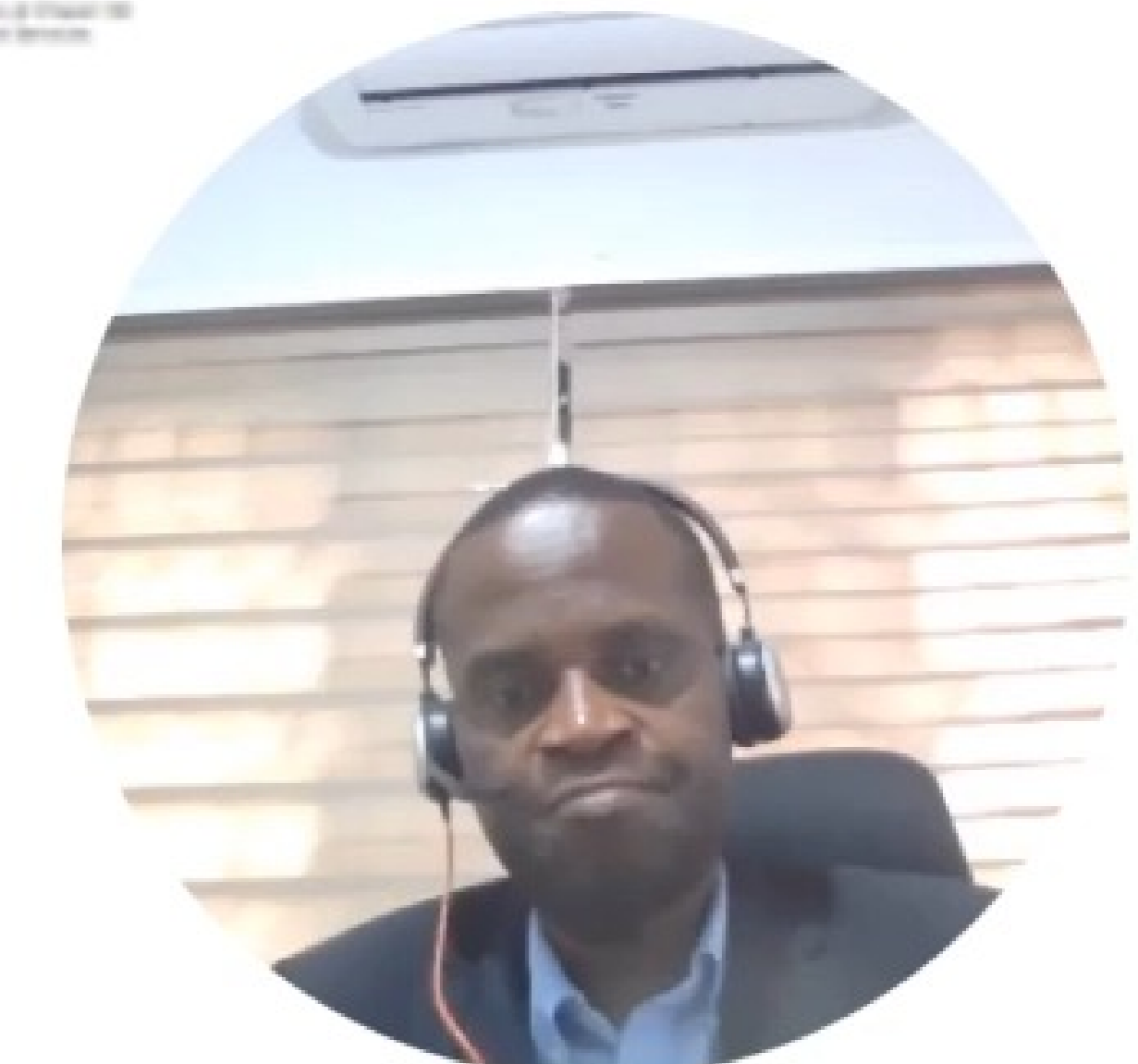
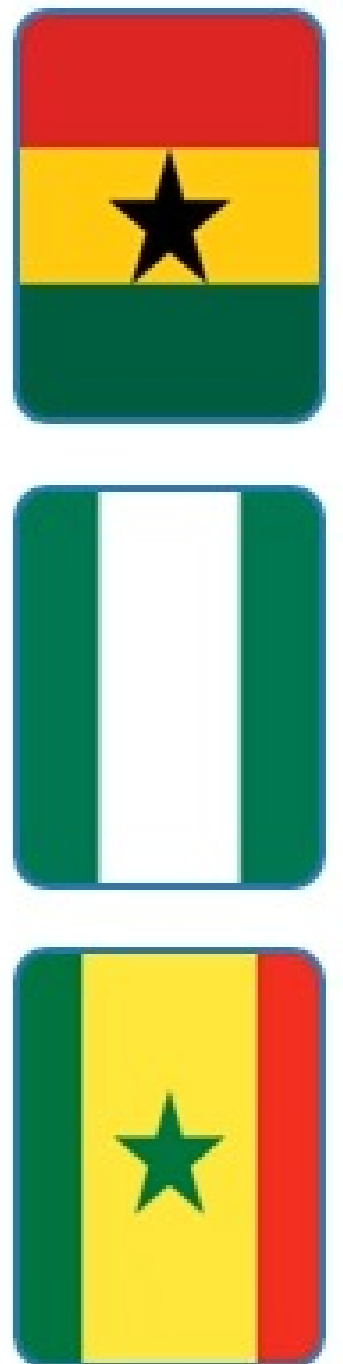
Progress in building country partnerships

Where We Work



Our Partners

- Ministry of Health for Laboratories, Malawi
- Ministry of Health for Laboratories, Tanzania
- Ministry of Health, Kenya
- Ministry of Health, Zambia
- Ministry of Health, Rwanda
- Ministry of Health, Eswatini
- Ministry of Health, Sierra Leone
- Ministry of Health, Gabon
- Ministry of Health, Cameroon
- Ministry of Health, Ghana
- Ministry of Health, Nigeria
- Ministry of Health, Senegal



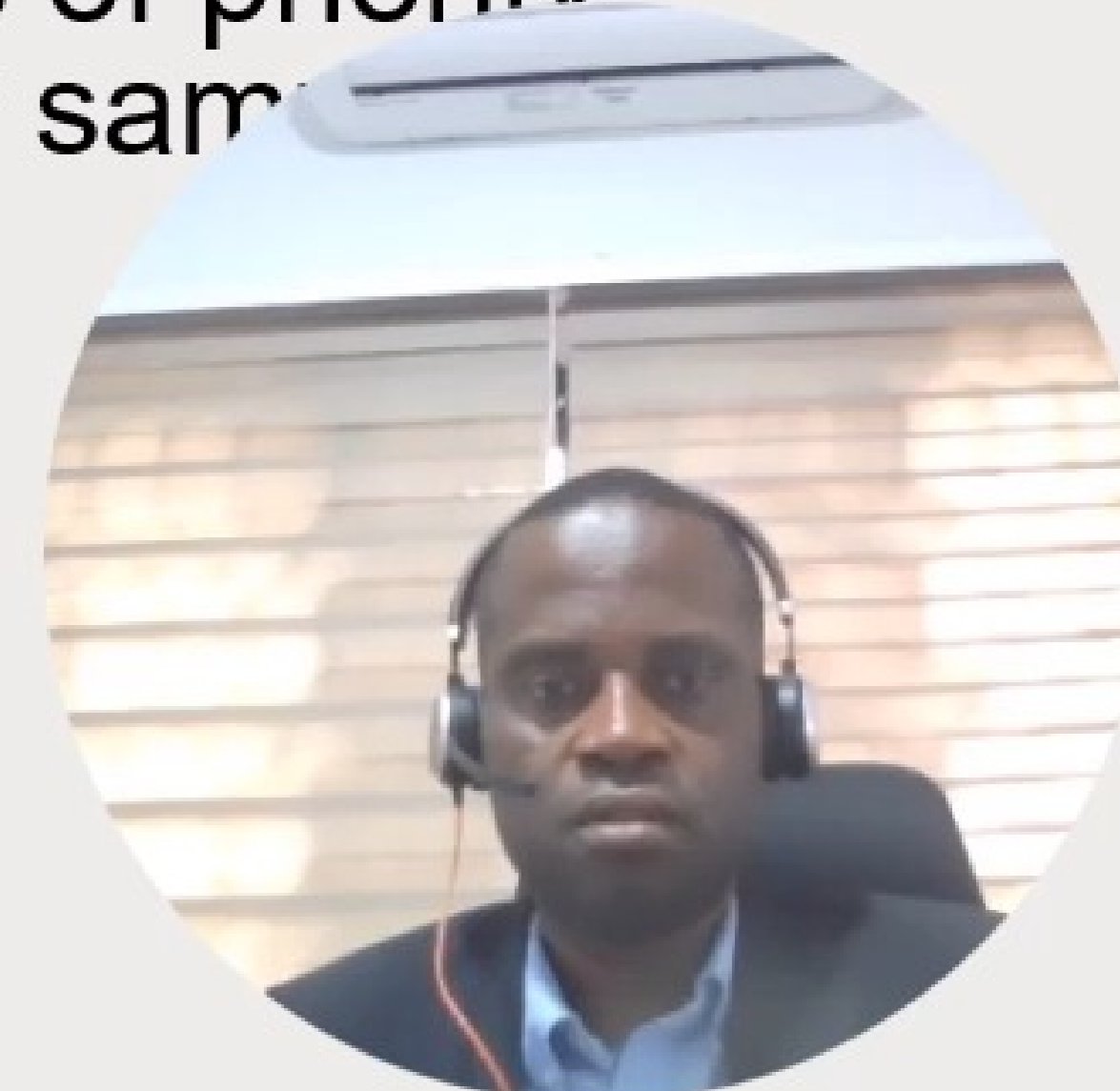
Support for AMR/U Aquaculture surveillance in Phase I

- **East and Southern Africa**

- Uganda, an animal health AMU fellow studied antimicrobial use (AMU) in 10 fish farms (farmed fish)
- <https://www.flemingfund.org/publications/sustainable-aquaculture-visiting-national-research-fisheries-in-uganda/>

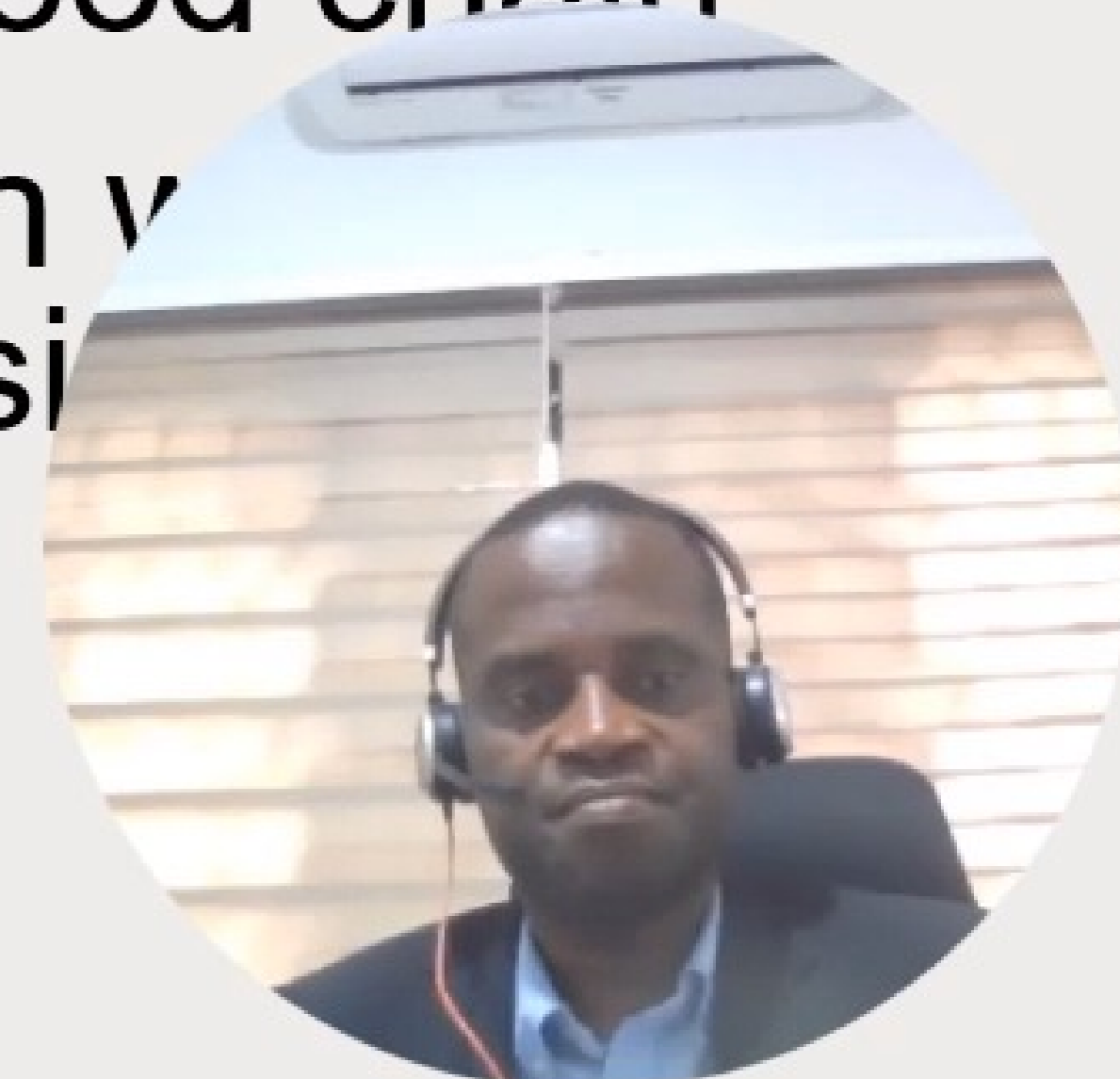
- **West Africa**

- Ghana, animal health AMU fellow interviewed 48 farmers from 13 farms on antibiotic use in freshwater fish farms in Greater Accra and the Eastern Region of Ghana
- Nigeria, AMU fellow studied AMU practices and the AMR prevalence profiles of priority organisms in fish farms and the environment in Oyo State. 50 fish and water samples tested
- <https://www.flemingfund.org/publications/petri-dish-bulletin-issue-39/>
- Nigeria, guideline for antimicrobial surveillance in Aquaculture developed



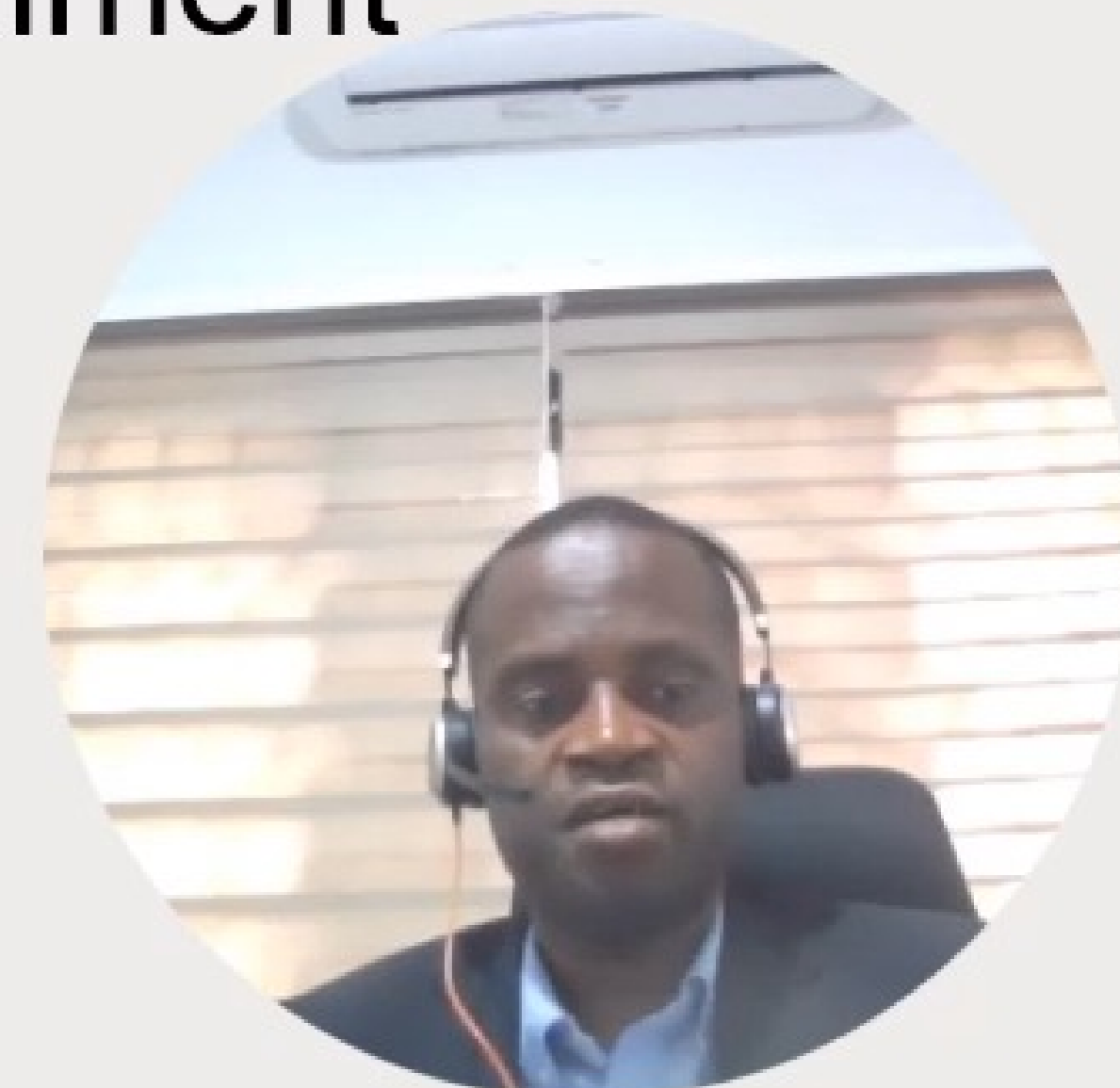
Justification for surveillance in aquaculture

- The growing demand for fish and other aquatic species has increased the shift from extensive to semi-intensive and intensive farming systems
- Intensification increases disease rates and a reliance on antibiotics and other medications
- Drainage of pond water into the surrounding environment has the potential to contaminate surrounding water systems and the food chain
- Aquaculture links the AH sector to the environment sector with v becoming a major reservoir of resistant pathogens and AB resi from treated feed.



Phase II Fleming Fund support in aquaculture

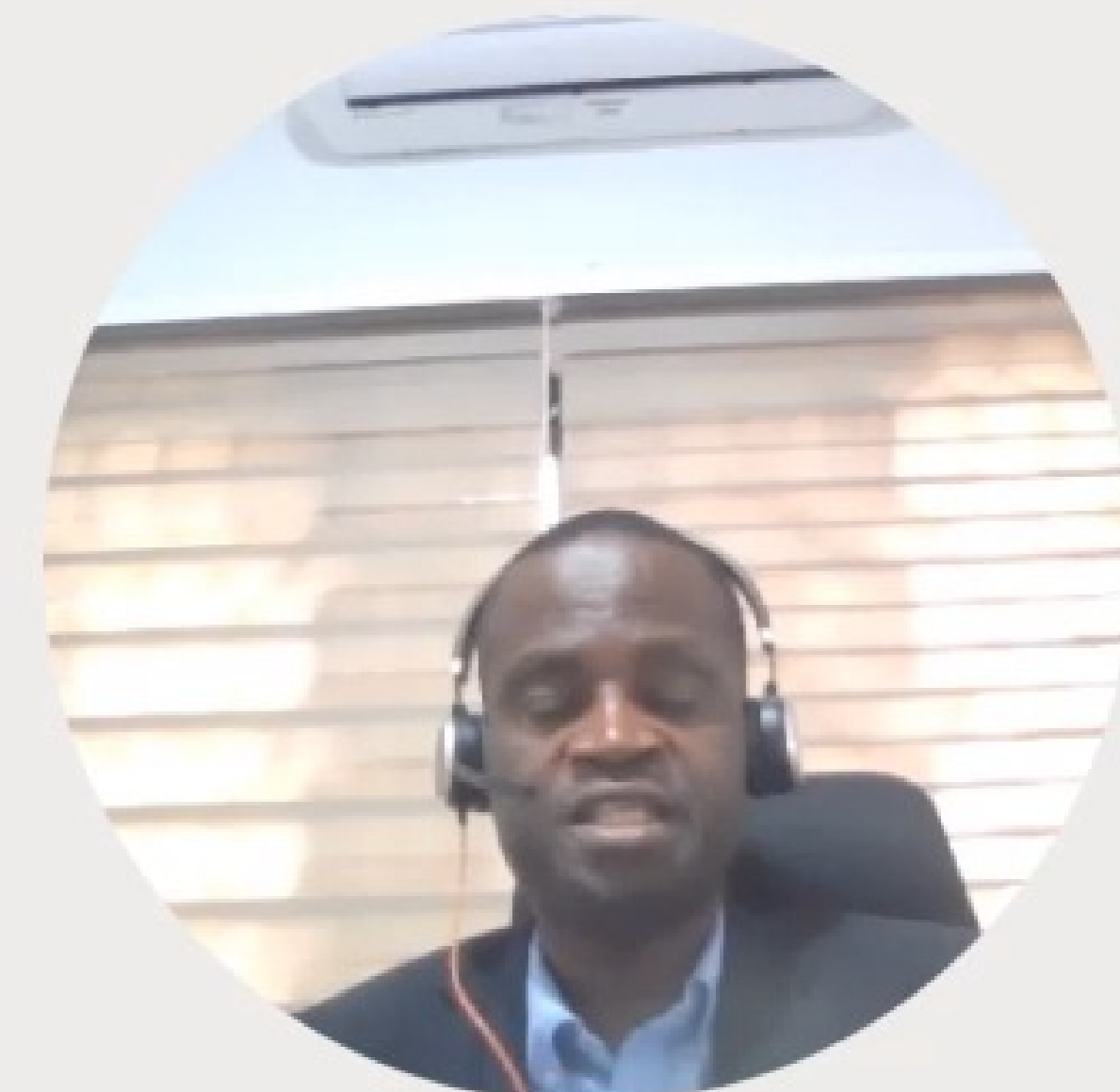
- Support for AMR and AMU surveillance in farmed aquatic species in selected countries where aquaculture is important
- Other initiatives where aquaculture is a growing industry:
 - Development of surveillance strategies, protocols, guidelines
 - Selected support towards aquaculture disease diagnostics
 - Training of lab and field staff to support aquaculture and environment surveillance
 - AMR/U surveys



Regional support to One Health

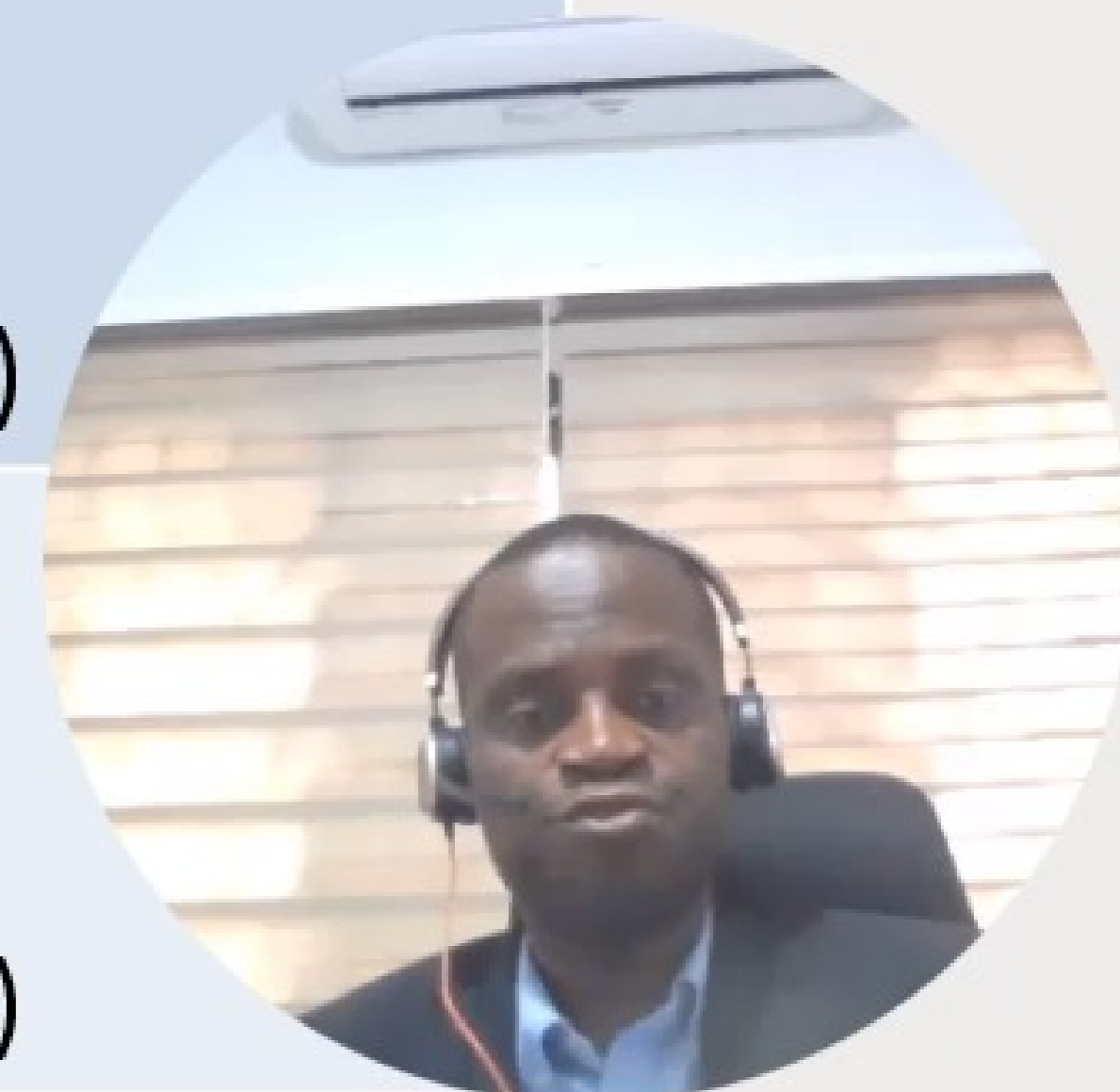
Centre for Environment Fisheries and Aquaculture (CEFAS)
contracted to provide regional support to member states

- Technical support to countries to improve AMR and AMU surveillance
- Support AMR in the aquaculture, environment and food safety
- Provide TA for improved laboratory capacity and data analysis
- Develop and pilot integrated OH surveillance programmes
- TA to promote practitioner engagement and industry engagement



Selected country aquaculture activities in WA

Country	Activity
Nigeria	<ul style="list-style-type: none"> • AMR surveillance strategy for aquaculture developed • Fellowship for AMR and AMU surveillance completed • Support to aquaculture laboratory • Human resource strengthening (mentorships, supportive supervision and training)
Cameroon	<ul style="list-style-type: none"> • AMR surveillance strategy for aquaculture developed • Support to aquaculture laboratory • Human resource strengthening (mentorships, supportive supervision and training)
Ghana	<ul style="list-style-type: none"> • AMU surveillance strategy for aquaculture developed • AMU data produced from the aquaculture sector • AMU surveillance fellowship • Human resource strengthening (mentorships, supportive supervision and training)
Sierra Leone	<ul style="list-style-type: none"> • AMU surveillance strategy for aquaculture developed • Support to aquaculture laboratory • AMU Surveillance Fellowship completed in Aquaculture • Human resource strengthening (mentorships, supportive supervision and training)



Thank you



This programme is being funded by the UK Department of Health and Social Care.
The views expressed do not necessarily reflect the UK Government's official policies.

