BNITM
Bernhard Nocht Institute for Tropical Medicine

EAC
JUMUIYA YA AFRIKA MASHARIKI

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EAC MOBILE LAB. PROJECT

Vision: Improve Diagnosis of Disease Outbreak Response in East African Partner States

FUNDING PHASE I:

10 million Euro Grant Plus 2 million Euro Suplemental Funds

Federal Republic of Germany through the German Development Bank (KfW); 2017 - 2021

PRIORITY VIRAL INFECTIOUS DISEASES – PHASE I

Ebola Viral Hemorrhagic Disease, Marburg virus, Coronavirus, Crimea Congo Hemorrhagic Fever, Chikungunya, Dengue Fever, Rift Valley Fever, Zika , West Nile Virus (WNV1/WNV2), MERS, Lassa Fever and Yellow Fever

IMPLEMENTING PARTNERS: PHASES I & II

- **Regional Coordination**

East African Community **(EAC)** Secretariat, Arusha, Tanzania

- **Technical Consultants**

Bernhard Nocht Institute for Tropical Medicine **(BNITM)** (Laboratory)

- **Procurement Consultant**

GOPA – Infra GmbH

PROJECT INTERVENTIONS – PHASE I

- 9 EAC mobile labs handed to Partner States
- Over 70 lab staff trained regionally to operate these labs
- 119 staff trained in the safe shipment of infectious agents through IATA
- EAC Mobile labs respond to outbreaks in the region (Ebola, Kisoro Uganda, 2019 and Dengue, Tanzania 2019)
- EAC Mobile labs respond to the COVID19 pandemic in East Africa, with over 280,728 SARS-CoV-19 RT-PCR tests conducted in the mobile labs with average TOT 8 hours
- EAC mobile labs support the assurance of regional trade through the testing of truck drivers for COVID19 at border points

THE NETWORK OF NATIONAL PUBLIC HEALTH LABORATORIES

Burundi: Institut National de Santé Publique (INSP)

Kenya: National Public Health Laboratory Services

Rwanda: National Reference Laboratory (NRL)

South Sudan: Public Health Laboratory and National Blood Transfusion Centre

Tanzania: National Health Laboratory Quality Assurance and Training Centre (NHLQATC)

Uganda: Central Public Health Laboratories (CPHL)

East African Community Regional Network of Public Health Reference Laboratories for Communicable Diseases

Contacts: EAC Secretariat: eac@eachq.org and EAC Health Department: health@eachq.org

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FUNDING PHASE II

13 million Euro grant

Federal Republic of Germany through the German Development Bank (KfW); 2021 - 2024

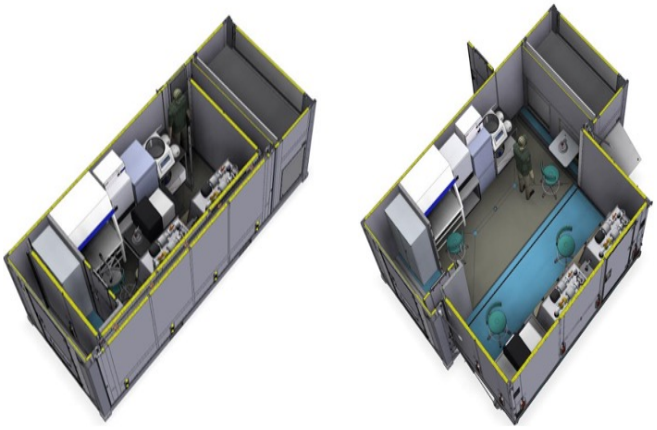
KEY OBJECTIVES-PHASE II

- Establish and operationalise the **"EAC Regional Network of Anti-Microbial Resistance (AMR) Surveillance and Response Network"**
- Establish linkages and integration with the existing **"East African Integrated Disease Surveillance Network (EAIDSNet)"** and WHO **Global Antimicrobial Surveillance System (GLASS)**

PROJECT INTERVENTIONS -PHASE II

- Procurement of 6 Mobile Container Labs (one per EAC Partner State)
- Establish whole genome sequencing technology for identification of AMR and emerging pathogens
- Train over 70 lab personnel in the use of these mobile container labs
- Capacity building through field missions for AMR and disease surveillance
- Electronic data capture throughout the EAC mobile lab network through a Laboratory Information Management System (LIMS)
- Capacity building of regional biomedical engineers
- Harmonized regional AMR policies and SOPs

CONCEPT OF CONTAINER MOBILE LAB FOR ANTIMICROBIAL RESISTANCE (AMR) –PHASE II



POTENTIAL PATHOGENS FOR AMR SURVEILLANCE IN EAC REGION

Specimen	Priority Pathogens
Blood	*E. coli* *K. pneumoniae* *A. boumanni* *S. aureus* *S.Pneumoniae* *Salmonella spp.*
Urine	*E. coli* *K. pneumoniae*
Feaces	*Salmonella spp.* *Shiggella spp.*
Urethral and cervical swabs	*N. gonorrhoeae*

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