



NEGLECTED TROPICAL DISEASE
NGO NETWORK

A global forum for nongovernmental organizations
working together on NTDs

Welcome to the NNN Conference 2020

Accelerating to 2030:
Building Resilient NTD
Programmes in a
Changing World

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Virtual Event

8th – 10th September 2020

Billy Weeks (2016, Chikwawa, Malawi)



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Workshop 3.3 - Road to resilience: building sustainable public health capacity within national NTD programs

Introduction	Dr. Sultani Matendechedero, Head of Kenya Division of Vector Borne and NTDs	5 min
The Kenya NTD program and the Breaking Transmission Strategy (BTS) for PC-NTDs	Dr. Stephen Mwatha, Kenya Division of Vector Borne and NTDs	15 min
The Kenya field epidemiology and laboratory training program (FELTP) and the vision for NTD integration and capacity building	Dr. Wyckliff Omondi, Division of Vector Borne and NTDs	15 min
Experience from the field - Leading community-based STH and SCH surveillance activities as an FELTP resident	Dr. Denver Mariga, Kenya Division of Vector Borne and NTDs	15 min
AFENET and the vision for building NTD capacity among FELTPs across the region	Dr. Ben Masiira, AFENET	15 min
Breakout session		15 min
Compilation of group discussions	Cara Tupps, Children Without Worms	10 min



Kenya's Breaking Transmission Strategy (BTS)

Dr. Stephen Mwatha, Kenya Division of Vector Borne and Neglected Tropical Disease

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Background

- Commitment in achieving the global control and elimination of PC- NTD in Kenya
- Coordinated NTD and WASH intervention



Photo Credit: Kenya Red Cross 2019



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STH patterns over the year of MDA in Kenya

Figure 3: STH infection prevalence rates

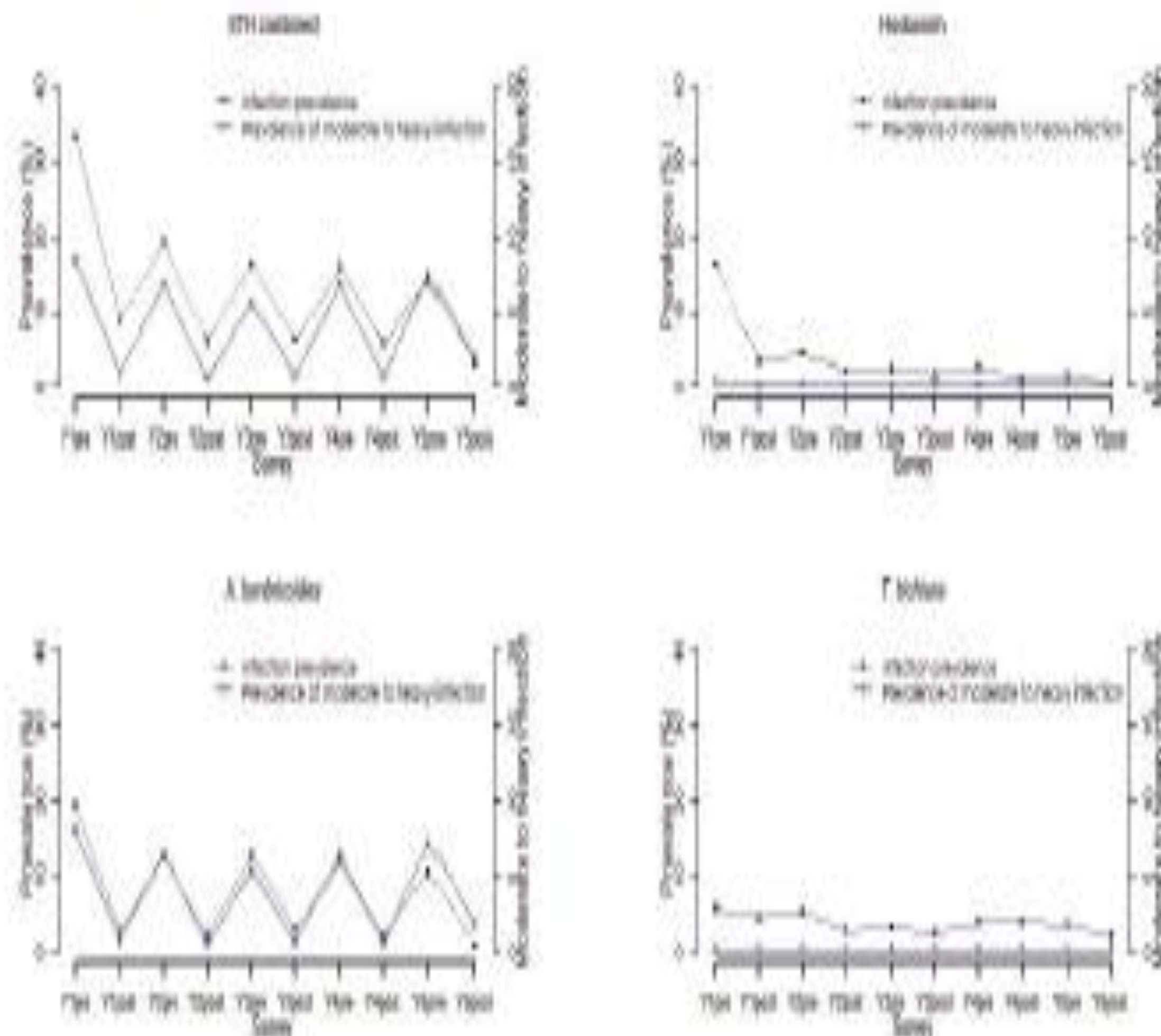
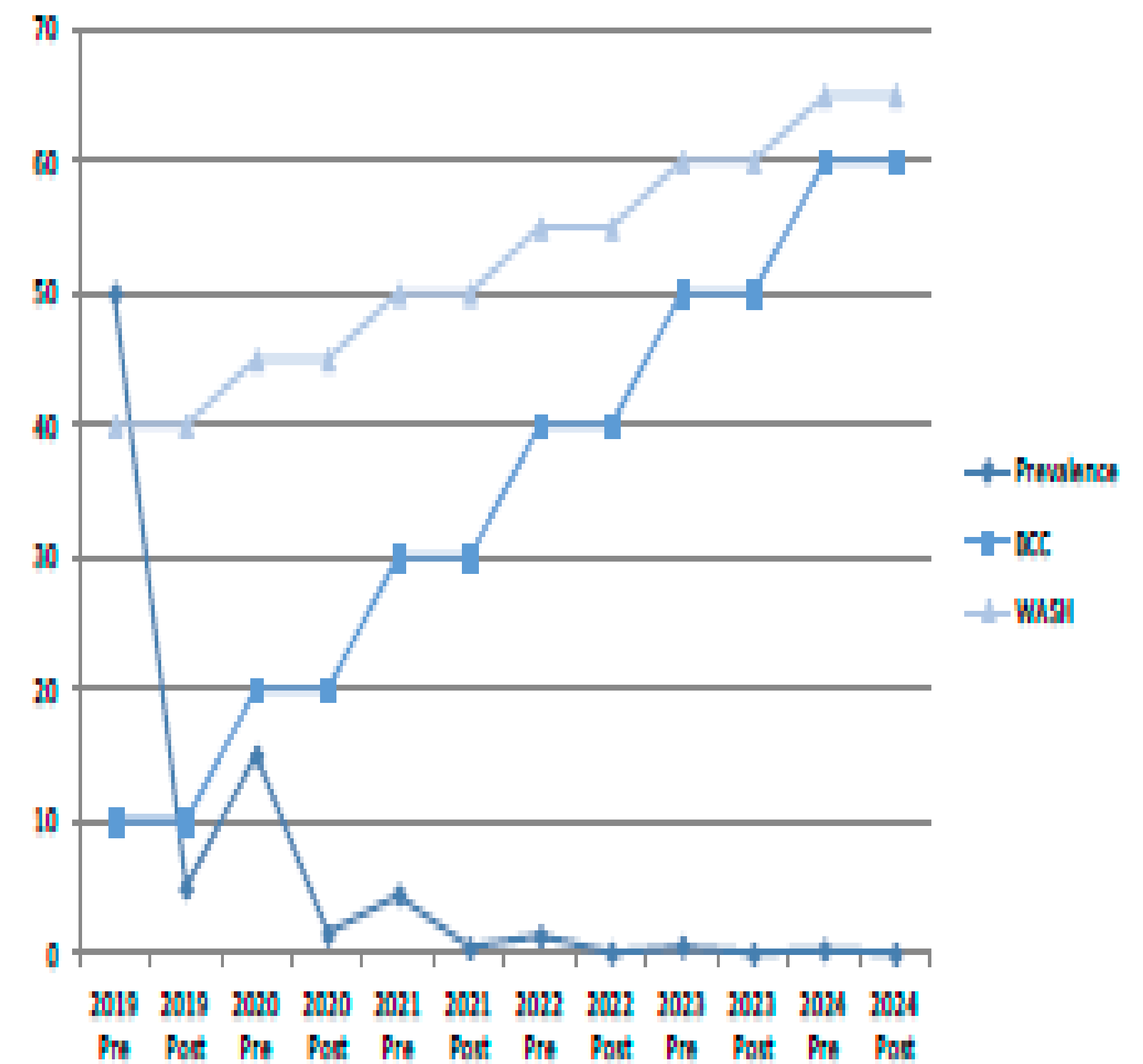


Figure 4: BTS Strategic Direction (2018 - 2023)



Basis of the strategy

- Global Policy – Aligned to WHO NTD guidelines/ESPEN
- National Policy – Kenya National NTD strategic plan
- Program consideration – BCC integration
- Role of WASH in PC NTDs – shared prosperity and equity



Four strategic priorities

- Strengthen government ownership, advocacy, coordination, & partnerships
- Enhance planning for results, resource mobilization, & financial accountability
- Scale up access to interventions, treatment, & system capacity (service delivery)
- Enhance NTD monitoring & evaluation, surveillance, & operations research



Kenya situation analysis

- Challenges and gaps
 - Inadequate mapping of various diseases across the county
 - Limited national and county ownership
 - Inadequate budget for undertaking the activity
 - Fragmented approach
 - Inadequate number of trained personnel
- Opportunities
 - Malezi bora
 - Malaria program
 - Immunization campaign
 - HIV interventions



Main BTS objectives

1. Increase MDA coverage in all endemic sub counties
2. Expand NTD WASH interventions
3. Mainstream behavior change communication
4. Intensify advocacy, coordination and partnership in NTD control and elimination
5. Strengthen monitoring, evaluation, surveillance and research
6. Plan for results, resource mobilization and financial sustainability



1. Increase MDA coverage in all endemic sub-counties

- Individual disease approach
- Operational research
- Supply chain management



Photo Credit: Kenya Red Cross 2019



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2. Expand NTD WASH interventions

- Focus on WASH and NTDs
- Advocacy



Photo Credit: Kenya Red Cross 2019



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3. Mainstream behavior change communication

- Behavior change communication
- Community sensitization and social mobilization activities



Photo Credit: Kenya Red Cross 2019



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4. Intensify advocacy, coordination and partnership in NTD control and elimination

- High level advocacy
- Coordination
- Partnership development and management



Photo Credit: Kenya Red Cross 2019



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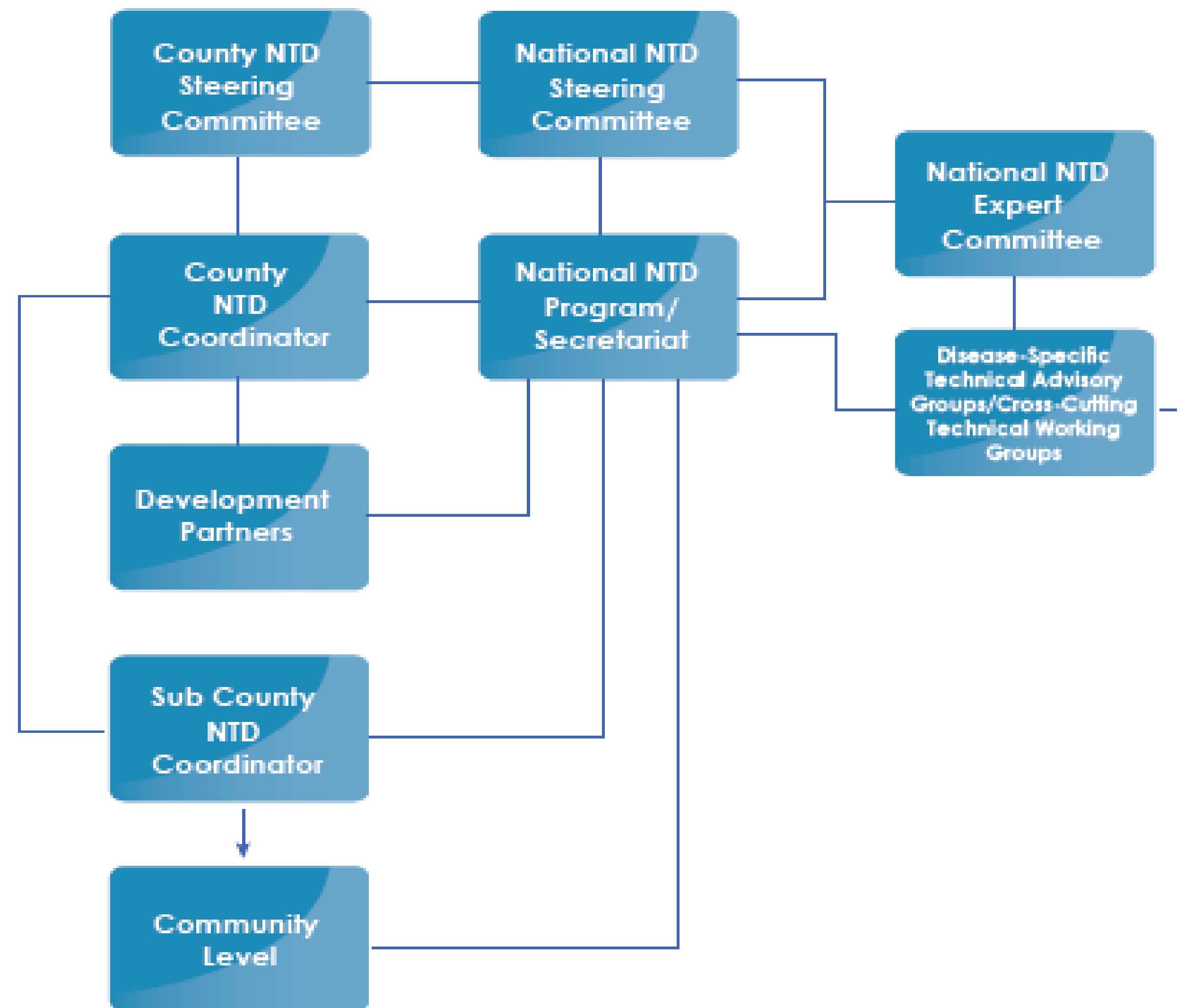
5. Strengthen monitoring, evaluation, surveillance and research

- Monitoring and evaluation
- Surveillance



6. Plan for results, resource mobilization and financial sustainability

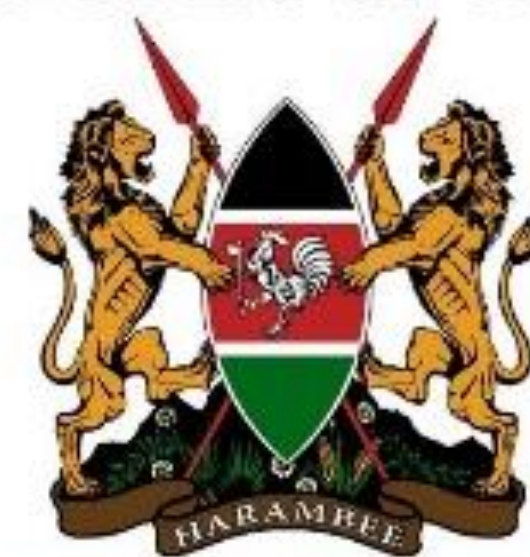
- Structure for implementation
- Development of policy
- HR support
- Resource mobilization
- Financial sustainability
- Social accountability



The Kenya field epidemiology and laboratory training program (FELTP) and the vision for NTD integration and capacity building

Dr. Wycliffe Omondi, Kenya Division of Vector Borne and Neglected Tropical Diseases

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Kenya Field Epidemiology & Laboratory Training Program (K-FELTP)

- K-FELTP was established in 2004
- Collaboration between Ministry of Health and U.S Centers for Disease Control and Prevention (C.D.C)
- Increase epidemiology capacity in the country



FELTP Objectives

- To strengthen public health capacity
- To contribute to research activities on priority public health problems
- To strengthen capacity to respond to public health emergencies
- To strengthen surveillance systems
- To strengthen laboratory participation in surveillance and field investigations
- To improve communications and networking of public health practitioners and researchers



Our Work

1. Field epidemiology and laboratory training

- Basic Level Training
- Intermediate Level Training
- Advanced Level Training

2. Field and outbreak investigation

- Source of outbreak
- Inform on mitigation measures

3. Surveillance

- Support data collection, analysis and interpretation

4. Improving Public Health Management for Action (IMPACT) program



Achievements

- 189 Advanced FELTP Graduates
- 8 IMPACT graduates
- 100 Outbreak investigations
- Presence in 47 counties



Collaboration of FELTP and NTD Program

- 3 FELTP Fellows attached to provide technical support to NTD Program
- 1 Program Fellow currently on final year of advanced epidemiology course
- Undertaking of research work in trachoma, lymphatic filariasis, soil transmitted helminthiasis
- Joint outbreak investigation for leishmaniasis and dengue and chikungunya



With thanks to our partners:

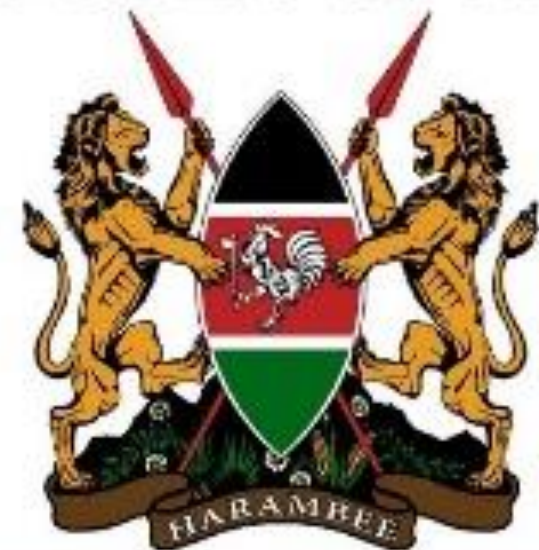
- MoH, Kenya
- DVB&NTD
- CDC
- CWW
- KRC
- County departments of Health
- AFENET
- Moi University
- Kenyatta University
- TEPHINET



Leading community-based STH and SCH surveillance activities

Dr. Dever Mariga, Kenya FELTP Resident

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Objectives

- Enriching outcomes through stakeholder engagement
- Reducing the likelihood of re-infection, contributing to elimination
- Encourage Long term sustainability and Community ownership
- Integration of NTD programmes into other programmes for collaborative activities and risk reduction.



Questions to Building a resilient Programme

- What are the NTD's afflicting the community in the locale?
- Who are Vulnerable? What are the consequences?
- How does building a resilient programme impact the community?



Practical experience.

- Field programme activity....



AFENET and the vision for building NTD capacity among FELTPs across the region

Dr Ben Masiira
Epidemiologist/AFENET

Presentation Outline

1. About AFENET
2. AFENET strategic priorities
3. AFENET foot print and distribution of FETP graduates
4. Role of AFENET and FETPs towards NTD prevention and control

About AFENET

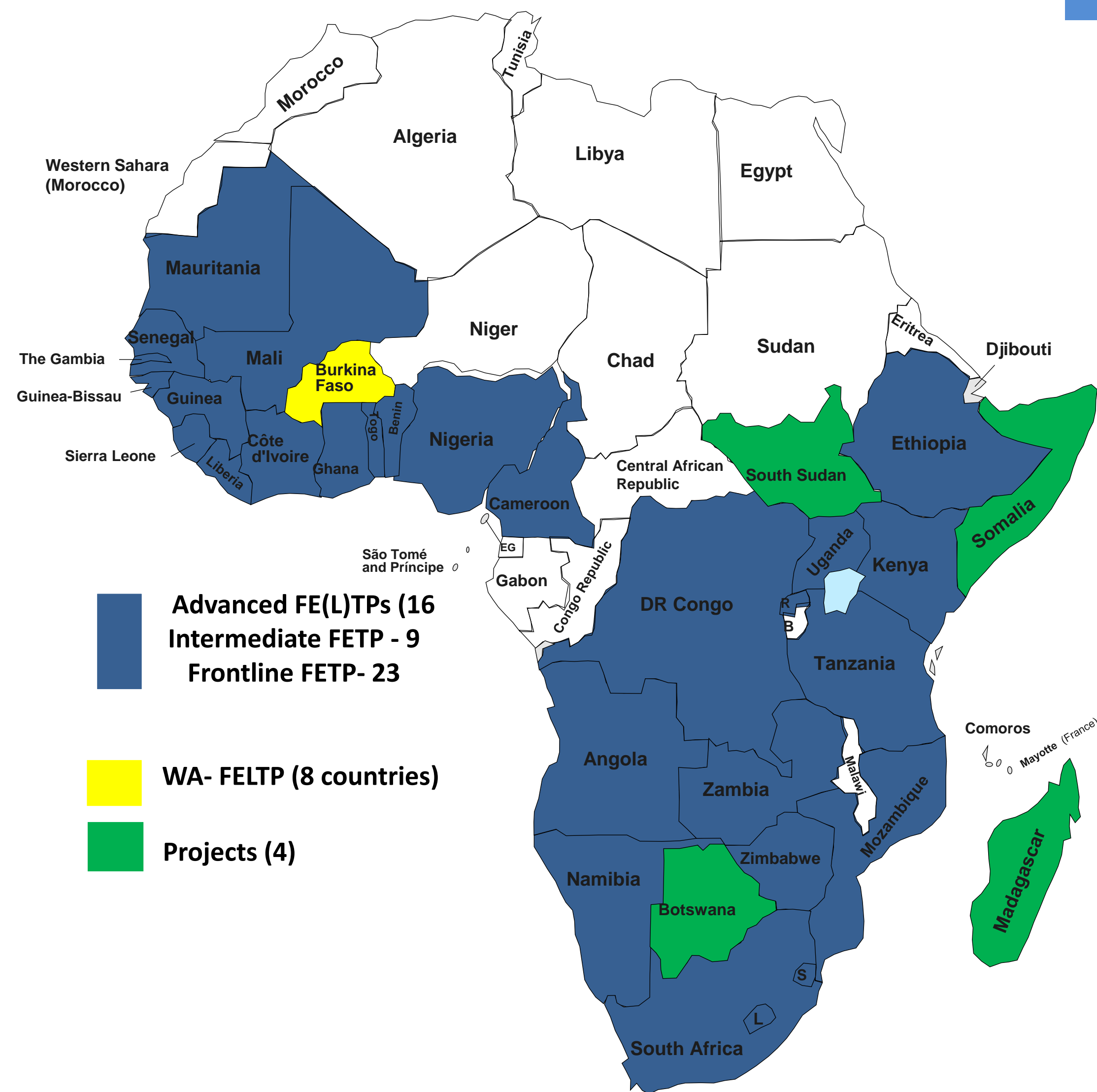
About AFENET

- **AFENET**- African Field Epidemiology Network
- Non-profit networking and service alliance of FE(L)TPs in Africa
- Primary implementing partner to develop and sustain FE(L)TPs in sub-Saharan Africa for over 10 years
- Work with Ministries of Health and Agriculture, National Public Health Institutes (NPHIs)



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Footprint in Sub-Saharan Africa



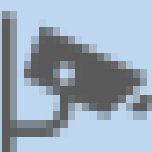
AFENET Regionalisation




AFENET's Strategic Priorities

01  Field Epidemiology
Capacity Development

02  Public Health Laboratory
Capacity Development

03  Public Health Disease
Surveillance &
Effective Response

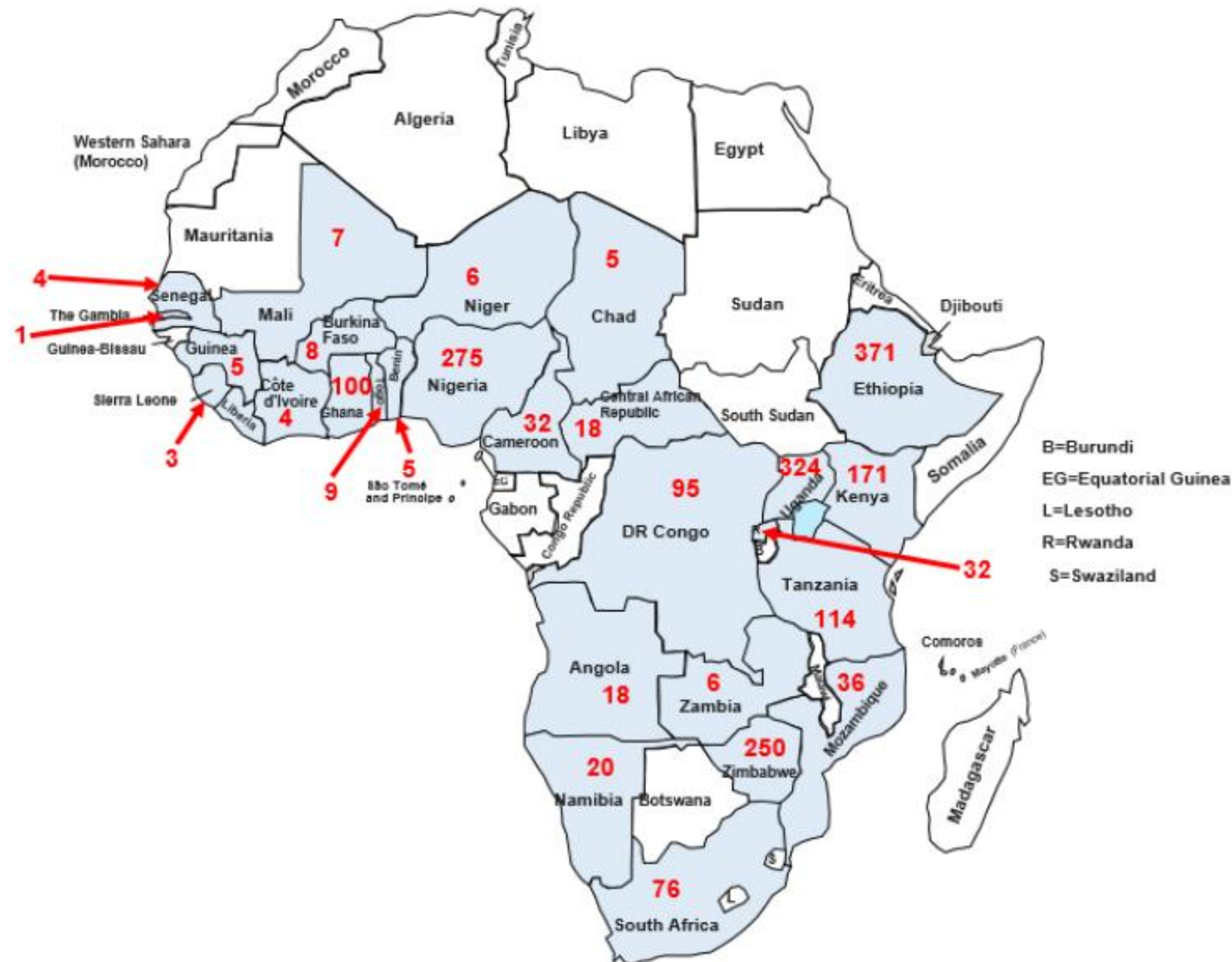
04  Public Health Program
Management & Research
Development

05  Networking &
Collaboration For Public
Health Advancement

06  Documentation &
Publication For
Public Health

07  Promoting the 'One
Health' Approach

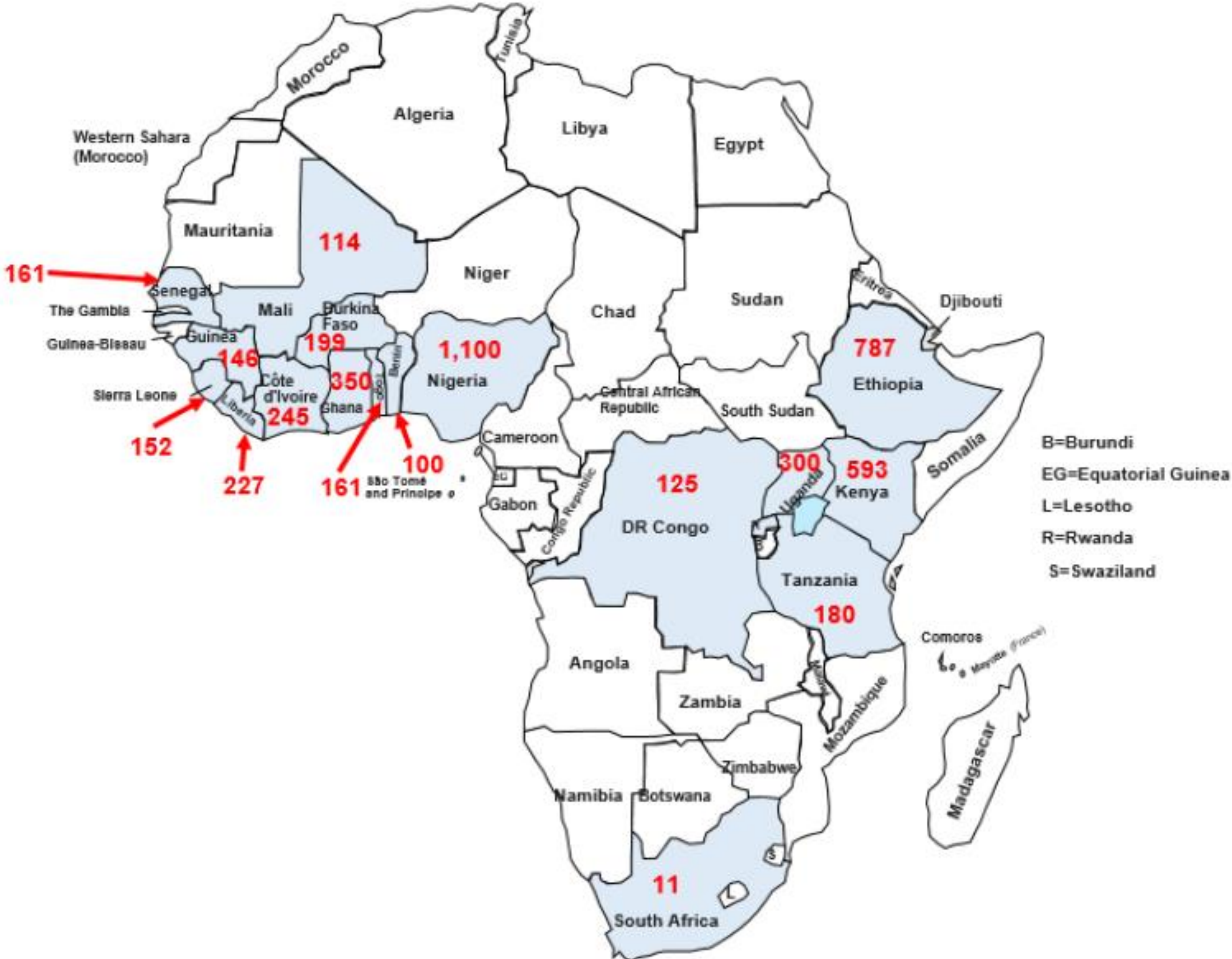
1. Field Epidemiology Capacity Development; over 2,000 advanced graduates from 16 FETPs



1. Field Epidemiology Capacity Development; over 250 graduates from 9 intermediate FETPs



1. Field Epidemiology Capacity Development; over 4,900 graduates from 23 frontline FETPs



2. Public Health Laboratory Capacity Development



- AFENET – US CDC Cooperative Agreement Supporting laboratory capacity development for HIV Viral Load scale up and recency testing in; **Angola, Dominican Republic and the Caribbean region**
- Key activities:
 - Recruitment and placement of Lab technical advisors and Mentors
 - Training and mentorship of laboratory staff
 - Procurement and supply of laboratory equipment and consumables
 - Development of plans and SOPs
 - Strengthening Laboratory Management towards Accreditation trainings

3. Public Health Disease Surveillance & Effective Response

AFENET Corp of Disease Detectives (ACoDD)



- Established in 2018
- Is a civil voluntary professional service of culturally competent field epidemiologists
- Built on the One Health Approach
- Membership- Graduates and Residents of FE(L)TPs in Africa
 - Advanced FETP
 - Intermediate FETP
 - Frontline FETP



3. Public Health Disease Surveillance & Effective Response



6th EVD outbreak in Uganda, 2019



10th EVD Outbreak in DRC, 2018 and 2020



Cholera Outbreak in Zimbabwe, 2019

3. Public Health Disease Surveillance & Effective Response

Partnerships for Outbreak response



- Partnership for Accelerated COVID-19 Testing in Africa-Community Surveillance
- Outbreak revolving fund in 13 AFENET member programs
- Rapid Mortality Surveillance in 5 African Countries
- COVID-19 response through FETPS- Redirected funds towards deployment of residents etc
- Secondment of ACoDD members to ACDC/WHO

4. Public Health Program Management & Research Development....1

Kenya TFGH-CWW STH project



Other projects

- National Stop Transmission of Polio in Nigeria, Uganda, South Sudan
- Immunization data improvement in Uganda
- Ghana School Pre-screening Project
- Response to circulating Vaccine derived-poliovirus outbreak in Madagascar, central Africa republic, Togo, Ghana.

4. Public Health Program Management & Research Development.....1

❖ Neglected Tropical Diseases Projects:

- Survey on the epidemiology of soil-transmitted helminths in Kenya
- Evaluation of the feasibility of stopping onchocerciasis mass drug administration (MDA) in Tanzania

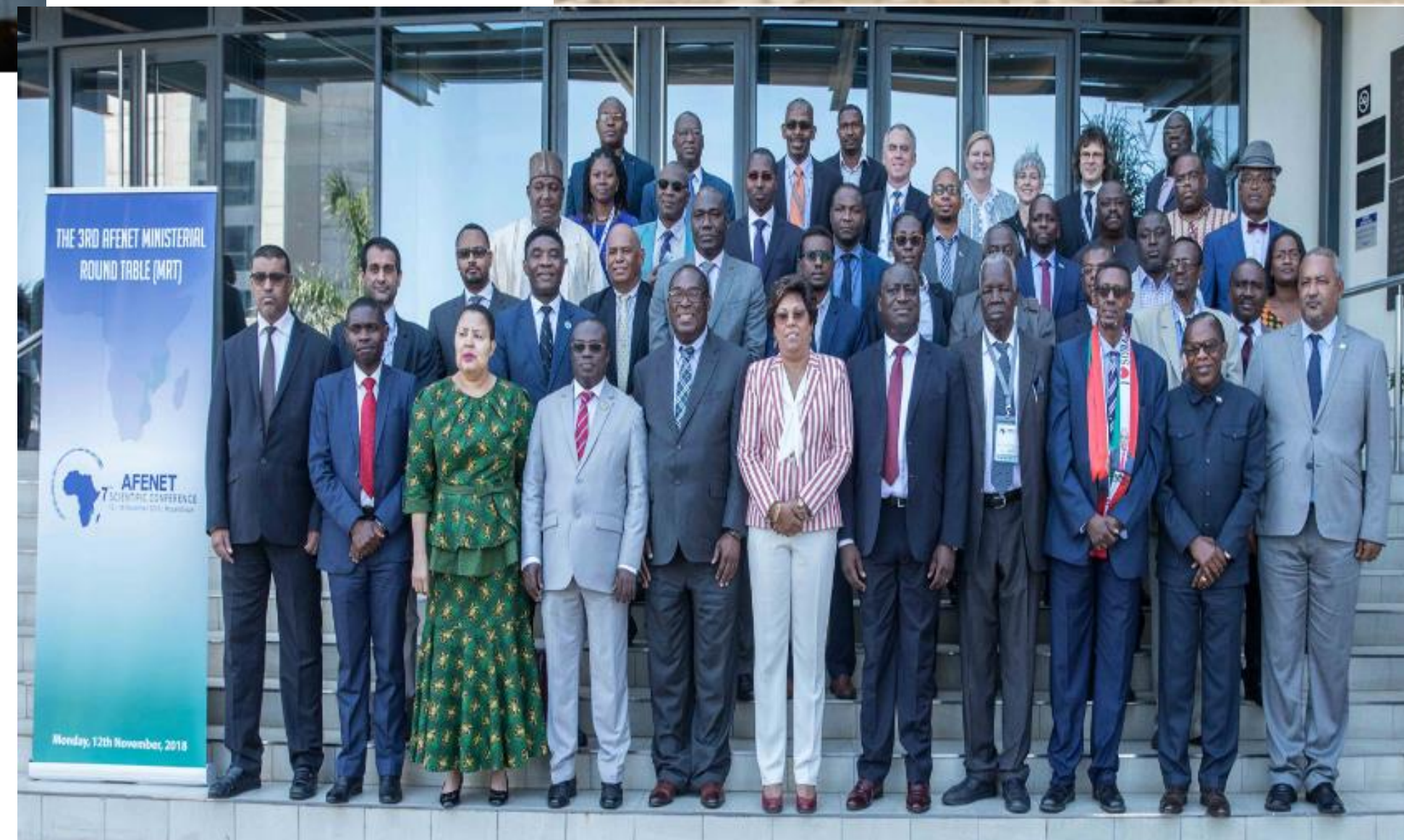
❖ Uganda Ministry of Health/AFENET/US CDC CoAg for HIV/AIDS control

❖ Oxford University collaboration

- To strengthen diagnostic capacities for Epstein Barr Virus Lymphomas in Children and young adults and Uganda

❖ Fleming fund fellowship on AMR/AMU in Tanzania

5. Networking and Collaboration for Public Health Advancement



6. Documentation and Publication for Public Health



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The Beginning of the End for Cholera in Africa

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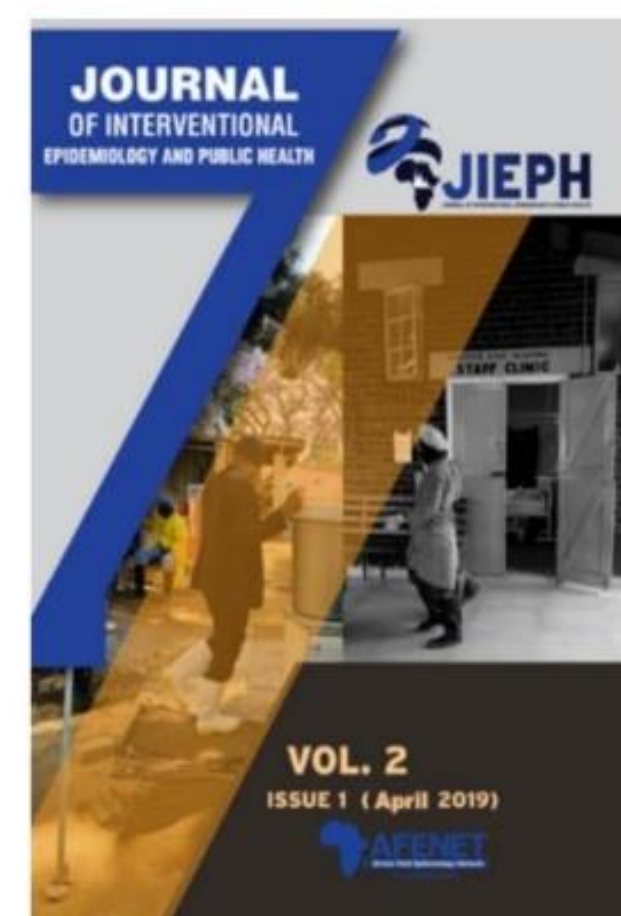
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Archives



- Scientific writing workshops for member programs
- Journal of Interventional Epidemiology and Public Health (JIEPH)
- Support Publication costs for Program papers

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7. Promoting the “One Health” Agenda



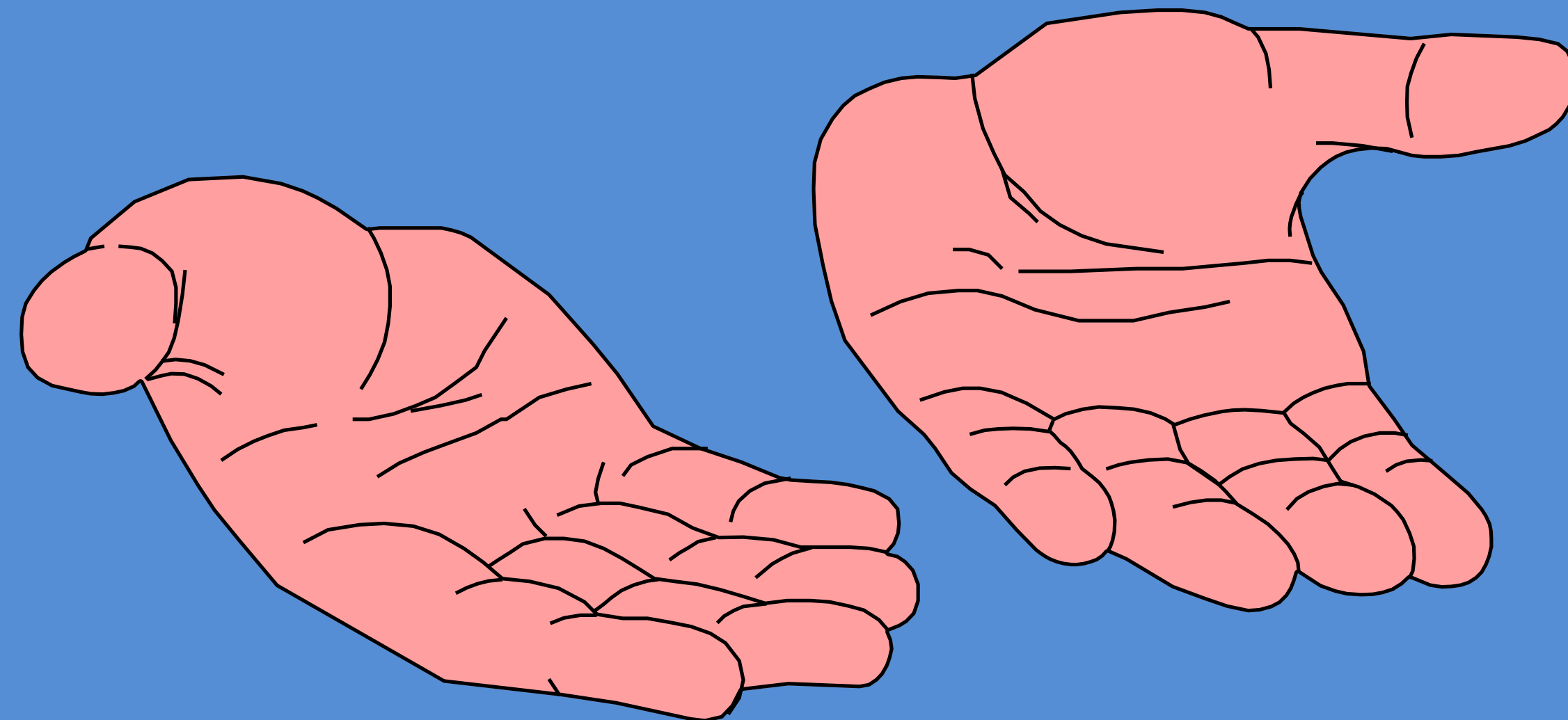
AFENET's role in NTD prevention and control

- **Collaboration with partners to support NTD prevention and control/ elimination in sub-Saharan Africa:**
 - ✓ US CDC
 - ✓ USAID
 - ✓ WHO
 - ✓ The Task Force for Global Health (TFGH)/ Community without worms (CWW)
- **Projects:**
 - ✓ NTD sero-surveys
 - ✓ Validation of onchocerciasis Ov-16 tests
 - ✓ Validation of lymphatic filariasis tests
 - ✓ Assessment of thresholds for stopping onchocerciasis MDA
 - ✓ STH community surveys

Role of FETP workforce in NTD prevention and control

- Strengthening the public health workforce
- Improve public health surveillance and response for NTDs
- Enhancing research, epidemiology, and policy capacity in sub-Saharan Africa
 - ✓ Improving the culture of evidence-based decision making
 - ✓ Technical assistance
- Timely and effective response
- Contributing to the reduction in morbidity and mortality associated with NTDs

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