

# African Yellow Fever Laboratory Network (AYFLN)

Dr Maurice Demanou

WHO AFRO

Email: [demanoum@who.int](mailto:demanoum@who.int)

# BACKGROUND

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- African Yellow Fever Laboratory Network (AYFLN) :  
part of the Global Yellow Fever Laboratory Network (GYFLN)
- ~38 laboratories in Africa
  - National Labs (YFLN)
  - Regional Reference Labs (RRL)

# The AYFLN: 38 NYFL, 3 Regional Reference Laboratories



**IP Dakar, Senegal: >2 decades**

15 countries, 20 NYFL:

SEN, NIE (4+2), BFA, NIG, TOG, BEN, CIV, GUI, LIB, MAL, GHA,  
SIL, GUB, GAM, MAU



**UVRI Entebbe, Uganda: July 2018**

9 countries, 9 NYFL

Uganda, Kenya, Zambia, Tanzania, Ethiopia, South Sudan  
Rwanda, Eritrea, Burundi, South Africa



**CPC, Cameroon: July 2020**

8 countries, 8 NYFL

CMR, CHA, CAR, GAB, RDC, ANG, CNG,  
EQG

**EMRO:**

-1 country, Sudan: 1 laboratory

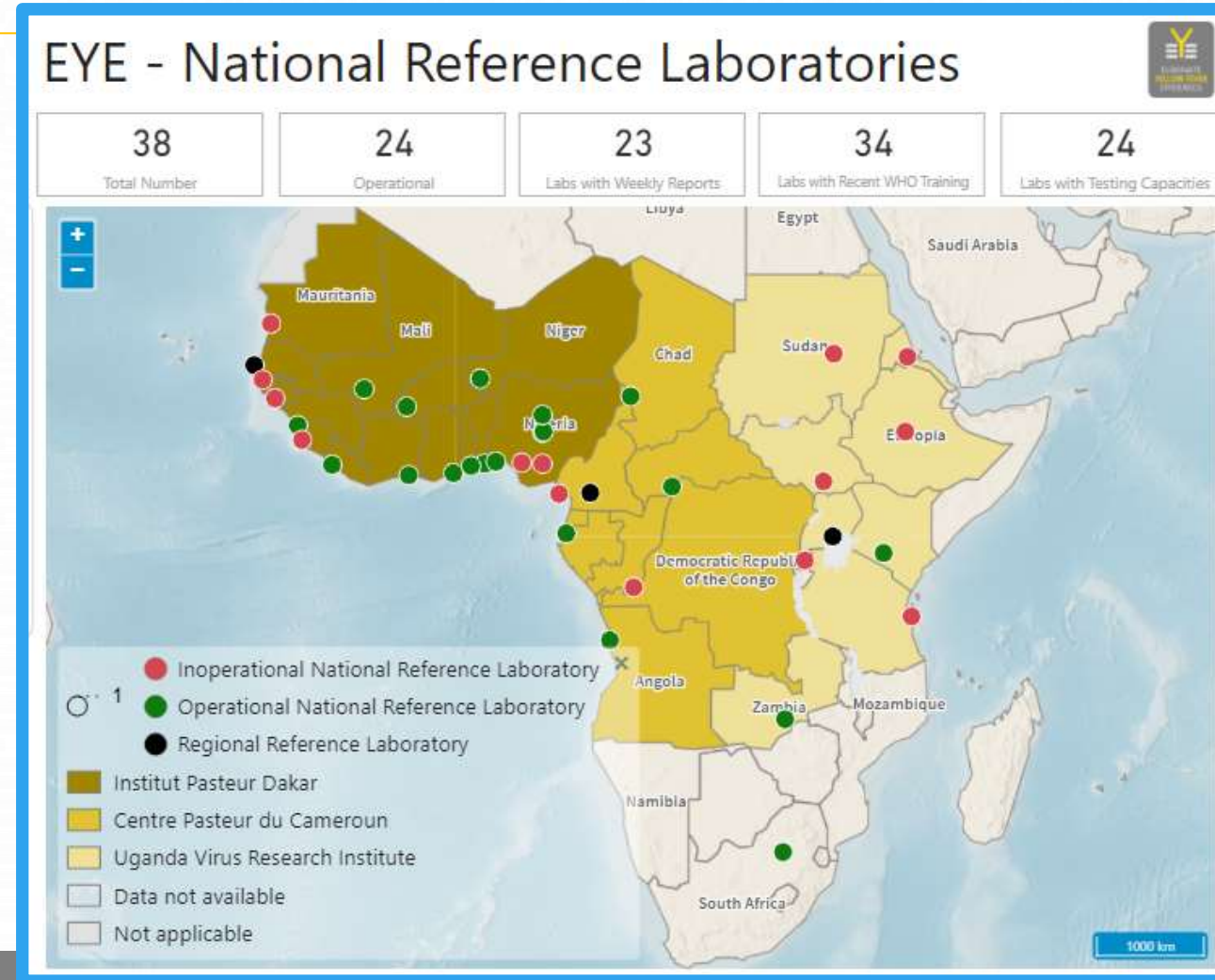


# The AYFLN: Interactive map

Clic on the link below:

<https://app.powerbi.com/view?r=eyJrIjojNTE4MmU3MGQtZTlhMC00NDQ0LTg4YmMtYzljZGZiYWYwODBhIiwidCI6ImY2MTBjMGI3LWJkMjQtNGIzOS04MTBiLTNkYzI4MGFmYjU5MCIsImMiOiJh9&pageName=ReportSection5e24d4ea1803469921e3>

- Geographic Position
- Technical Capacities
- Weekly Reports
- Accreditation Status
- Training Status
- Etc.



# Many challenges (1/2)

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- **Harmonization or standardization** of diagnostic protocols across the network with the use of:
  - Different protocols for serology (in-house)
  - Different protocols for molecular testing (in-house or commercial)
- **Time required to have feedback** from ministries of health when planning onsite technical support

## Many challenges (2/2)

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- **Difficulties in the delivery** of reagent bundles, consummables and equipment to countries:
  - Difficulties in getting countries' clearance for the delivery of parcels
  - Difficulties faced by end users in custom clearing reagents, etc.
- **Poor surveillance system** in some countries
- **Negative impact of COVID-19** pandemic:
  - International shipment of samples to the reference laboratories
  - Disease surveillance (number of samples collected, etc.)

# What next?

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- **How can we all together collaborate to address all these challenges and to better combat infectious diseases?**
- **BSMA's mission to accelerate affordability and accessibility of scientific and technological advancements in healthcare by fostering collaboration among the stakeholders**
- **We all have the opportunity today to make things happened in a better way**

Thank you



World Health  
Organization

ELIMINATE **YELLOW FEVER** EPIDEMICS