



# AFRIMETS

## General Update

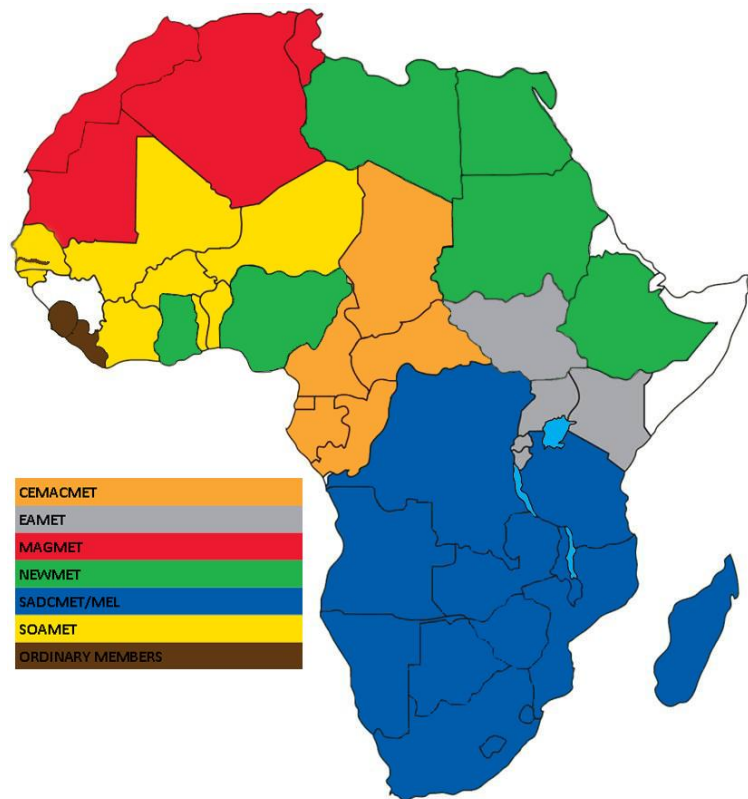
October 2022

Dr Henry Rotich

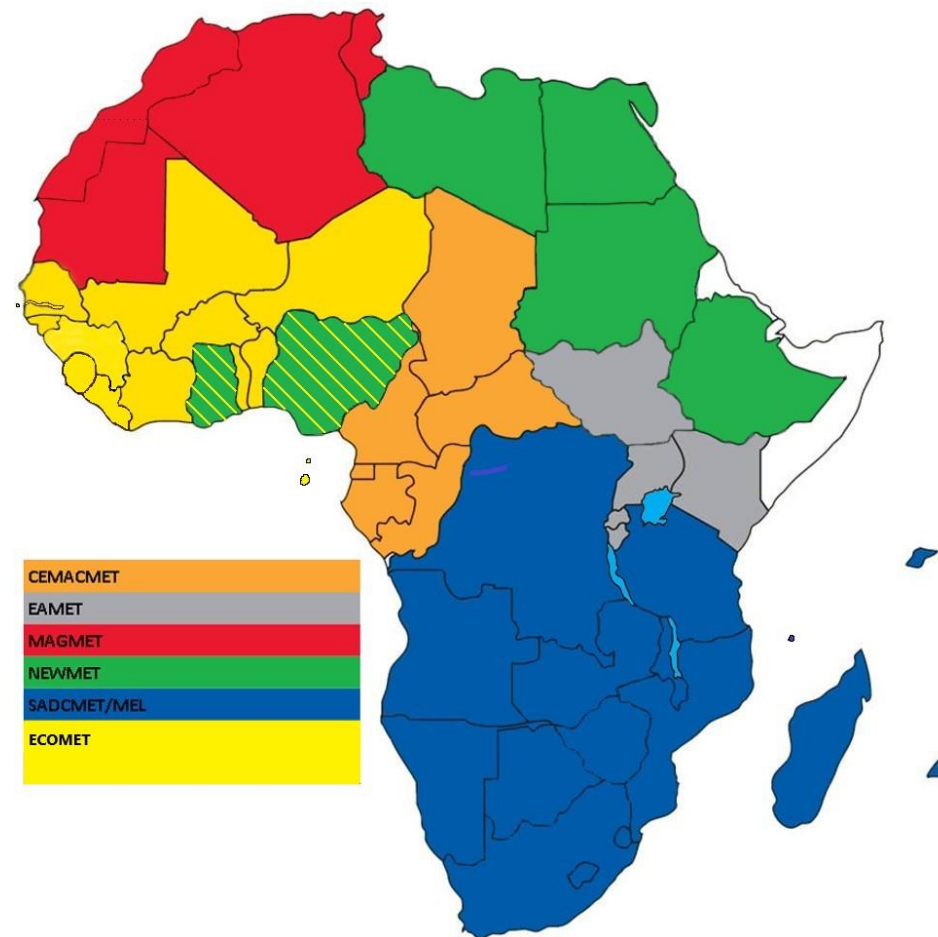
Chair: AFRIMETS

Dr Wynand Louw

*Head of the Secretariat*



**Full Members:**  
48  
**Ordinary Members:**  
None currently  
**Associate Members**  
8  
**Observers**  
5



**AFRIMETS and its SRMOs: 2021**

**AFRIMETS and its SRMOs: 2022**

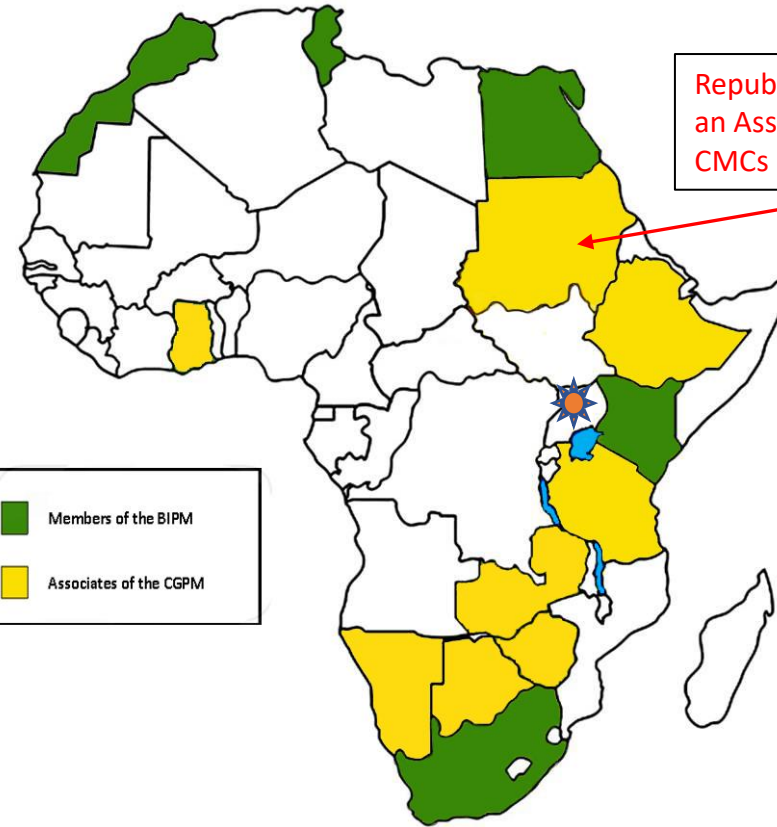


# Scientific Metrology: Metre Convention

2007



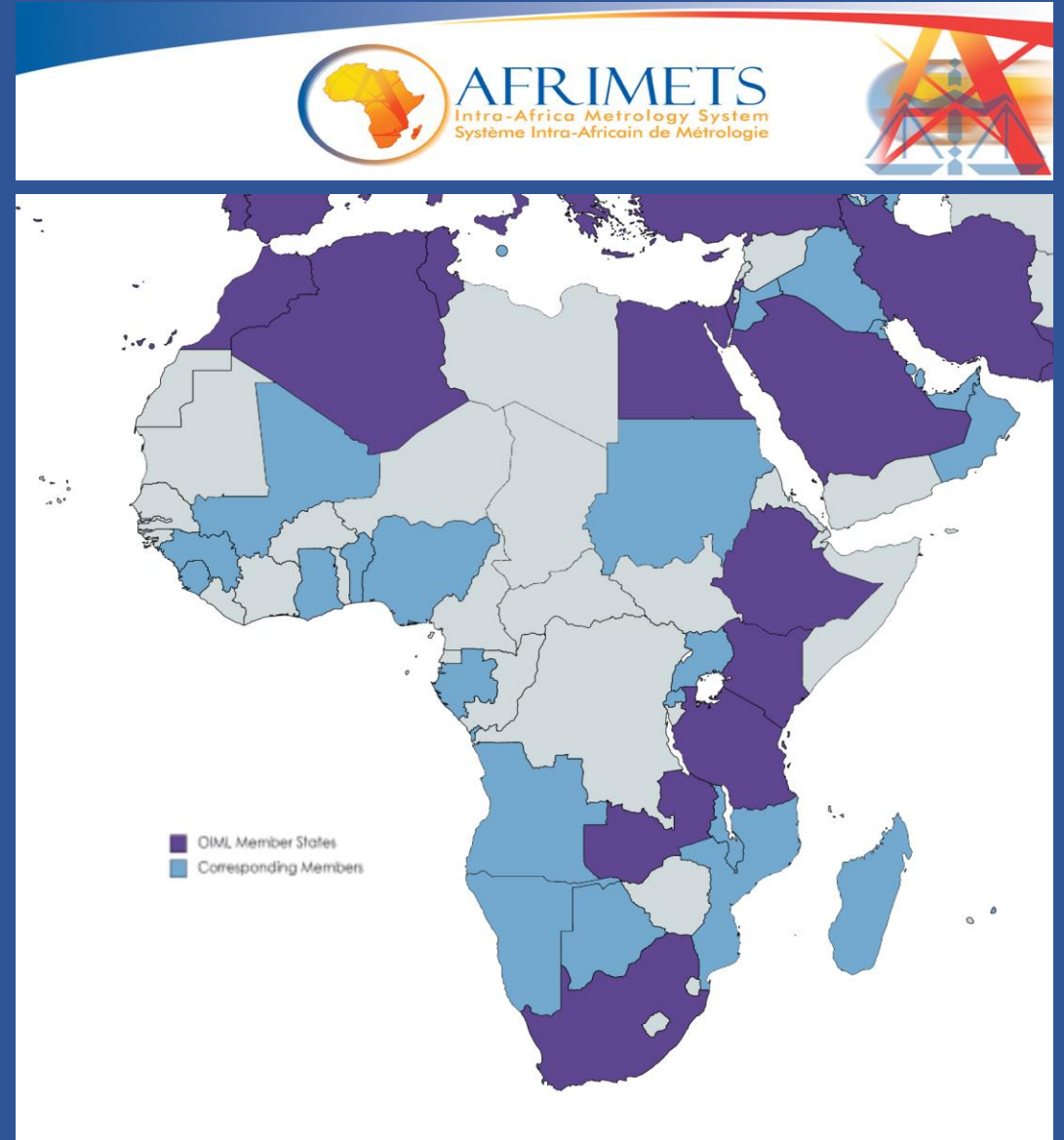
2022



Republic of Sudan excluded as an Associate March 2022. No CMCs

Seychelles indicated their intention to end their Associate Membership. No CMCs

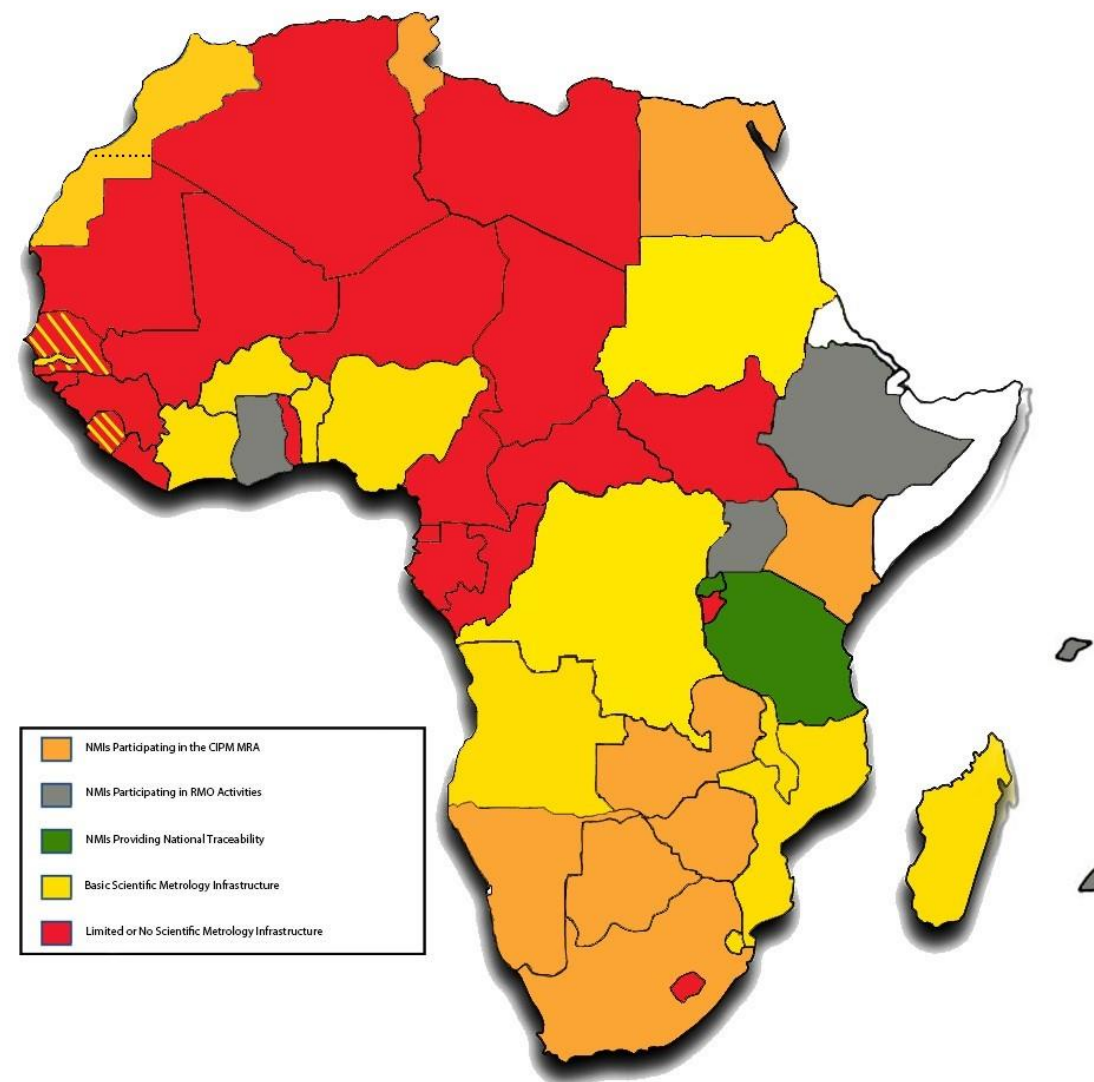
# Legal Metrology: OIML



Scientific Metrology: Members with  
identifiable institutes/activities



**AFRIMETS**  
Intra-Africa Metrology System  
Système Intra-Africain de Métrologie







# Internationally Accepted Measurement Capabilities

- Since 2020 AFRIMETS changed its reporting to “% of services covered by CMCs” rather than the number of CMCs, to make provision for the changes at CC level in the way that comparisons are planned to support a larger number of capabilities
- **NMISA (South Africa)** reports that 90 % of its services are currently covered by its **533 CMCs**
- **NIS (Egypt)** is in the process to determine its % of internationally recognized services linked to its **94 CMCs**, as they publish only their main capability
- The other countries are still reporting the number of CMCs. 729 CMCs in total (incl. South Africa and Egypt):

• KEBS	(Kenya)	=	27
• DEFNAT	(Tunisia)	=	21
• SIRDC	(Zimbabwe)	=	19
• ZMA	(Zambia)	=	11
• NSI	(Namibia)	=	7
• LPEE	(Morocco)	=	14
• BOBS	(Botswana)	=	3
- 15 CMCs in intra-review, 7 in inter-review



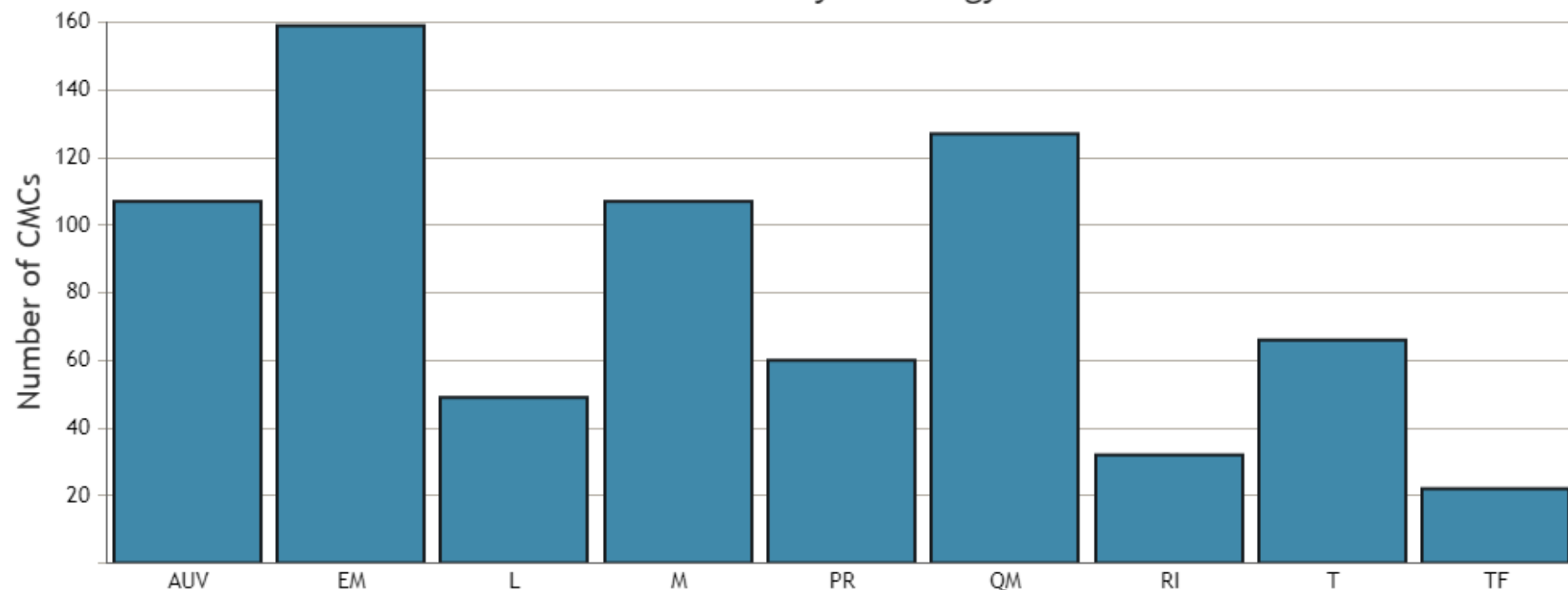
# Internationally Accepted Measurement Capabilities



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Number of CMCs by metrology area





## AFRIMETS General Assembly and Related meetings

AFRIMETS held its 15<sup>th</sup> GA and related meetings online during July 2022

- Most Technical committees and the TC for Quality Systems met online before the GA
- The quality systems of NIS- Egypt, KEBS- Kenya, DEFNAT- Tunisia and NMISA- RSA, were re-confirmed as fit-for-purpose for the CIPM MRA. The QS of LPEE- Morocco was confirmed and they published their first CMCs. Thus, the calibration and measurement capabilities published in the international key comparison database, are supported
- The review or re-review of the QSs of NMIE- Ethiopia, GSA- Ghana, SIRDC- NMI Zimbabwe, INRAP- Tunisia, and NSI-Namibia are underway



# AFRIMETS Activities 2022

## AFSW

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### **Dr. Godfrey Bahiigwa**

African Union Commission – Director of the  
Department of Agriculture, Rural Development, Blue  
Economy and Sustainable Environment (DARBE), AU,  
Ethiopia

- The African Union Commission-Agriculture and Development
- Regulators, responsible for Food Controls
- National Food Monitoring Laboratories, mandated under the various Departments/ Directorates of Agriculture , Public Health and Trade.
- Central Veterinary Laboratories
- Perishable Export Control Boards
- Pan African Quality Infrastructure Institutions (Metrology, Standards, Compulsory Specifications and Accreditation)
- Academic Institutions, in particular those hosting centres of excellence for food safety
- Food manufacturers
- Suppliers of Food safety testing instruments, equipment, chemicals, consumables and proficiency testing schemes.

# AFRICA FOOD SAFETY WORKSHOP 2022



## AFRIMETS Activities 22

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- More than 250 delegates from 37 countries in Africa
- Several international guests and invited speakers
- 45 presentations and posters
- Held AFRIMETS TC-QM meeting

# Pan African Quality Infrastructure

*It is estimated that the AfCFTA has the potential both to boost intra-Africa trade by 52 percent by eliminating import duties and to double this trade if non-tariff barriers are also reduced.*

- E-Learning platform
- African Quality Policy
- Strengthening of Conformity assessment activities
- Participation in Technical committees

*The AfCFTA is expected to expand the size of Africa's economy to US\$29 trillion by 2050*



# Focus on the AfCFTA: PT Schemes

AFRIMETS is involved in several initiatives and meetings for the implementation of the African Continental Free Trade Area (AfCFTA)



## Several proficiency testing schemes are being coordinated by TC-QM:

Available on the AFRIMETS-website ([www.AFRIMETS.org](http://www.AFRIMETS.org))

- Determination of pesticides in fruit (0.05-4 mg/kg, 4 rounds)
- Determination of aqueous ethanol at forensic concentration levels
- Determination of fluoride at blood sample preservation levels
- Determination of organochlorine pesticides in water (ng/L)
- Nutritional parameters in Corn Soya Cereal
- Zearalenone in maize (APMP and AFRIMETS)
- Multiple mycotoxins in maize (26 participants, 6 from AFRIMETS)
- Aflatoxins in peanuts (8 participants, 3 from AFRIMETS)
- Aflatoxins in peanut slurry (22 participants, 6 from AFRIMETS)
- SADC MET Water PT
  - Chemistry: Round 17
  - Microbiology: Round 10



# Comparison of NMS



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## Mass and Related Quantities

- 5 Comparisons completed
- 2 in Progress
- 1 delayed

## Length/ Dimensional

- 1 Completed
- 1 in Progress

## Temperature & Humidity

- 1 Completed
- 1 in Progress

## Electricity

- 2 completed
- 1 started
- 4 planned





# Future Activities



<https://www.wusme.org/sme-news/digitalisation-of-smes-in-africa/>

- New Working group on Digitalisation
- Primary focus is on the Digital Calibration Certificate and a Digital Conformity assessment Certificate
- Participates in international digitalisation activities such as workshops and conferences
- Several projects to make information machine readable

- AFRIMETS Services database (based on accredited and peer reviewed capabilities in support of the AfCFTA)
- Registration of AFRIMETS as a Legal entity
- Introduction of Membership fee to support pan-African and international participation



<https://au-afcfta.org/>

Thank you  
and Stay  
Safe!



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