



AFRIMETS

Summary 2022

June 2022

Dr Wynand Louw

Head of the Secretariat

OBO Prof. Dr Mohamed Amer

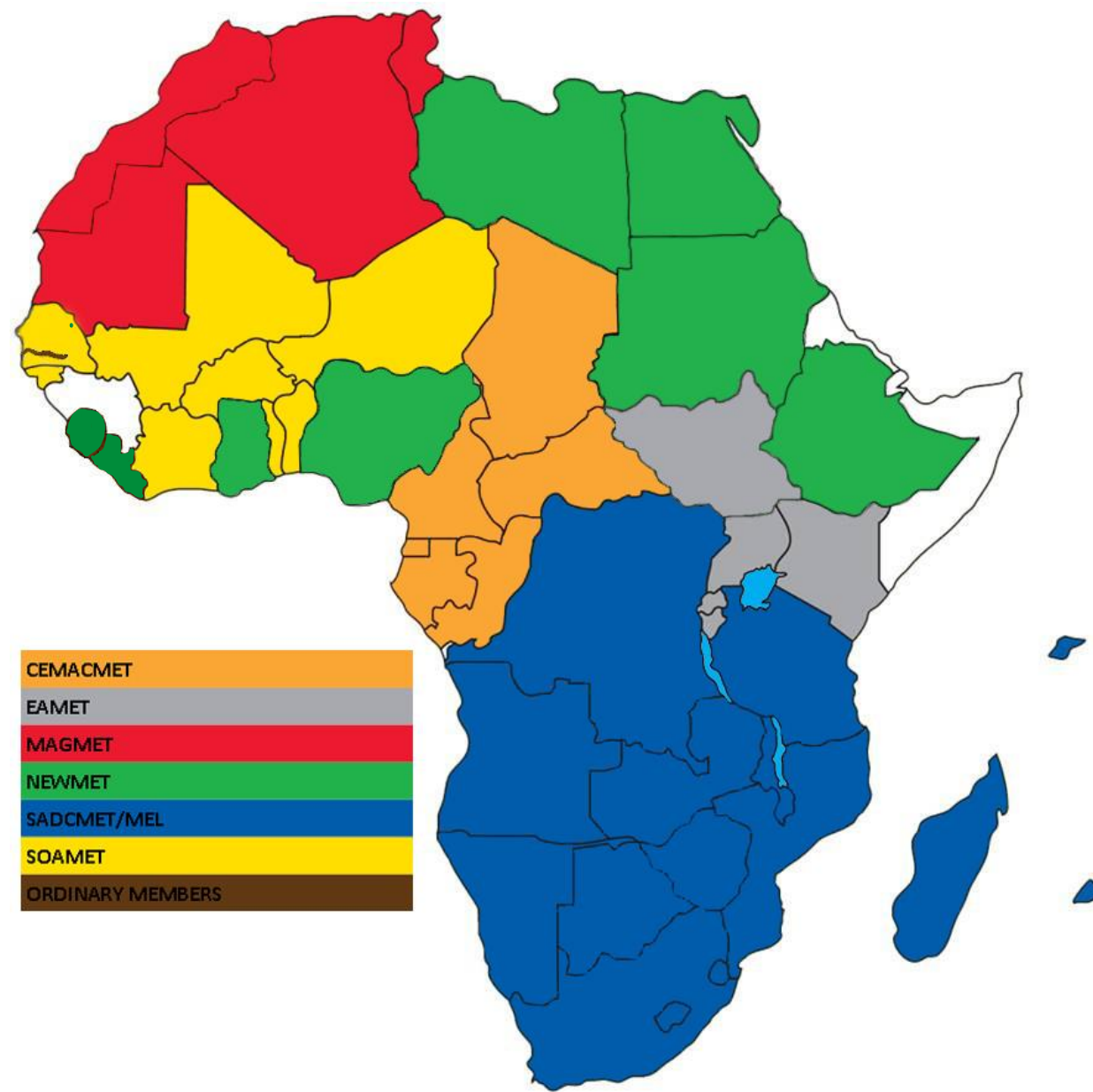
Chair: AFRIMETS



AFRIMETS 2022

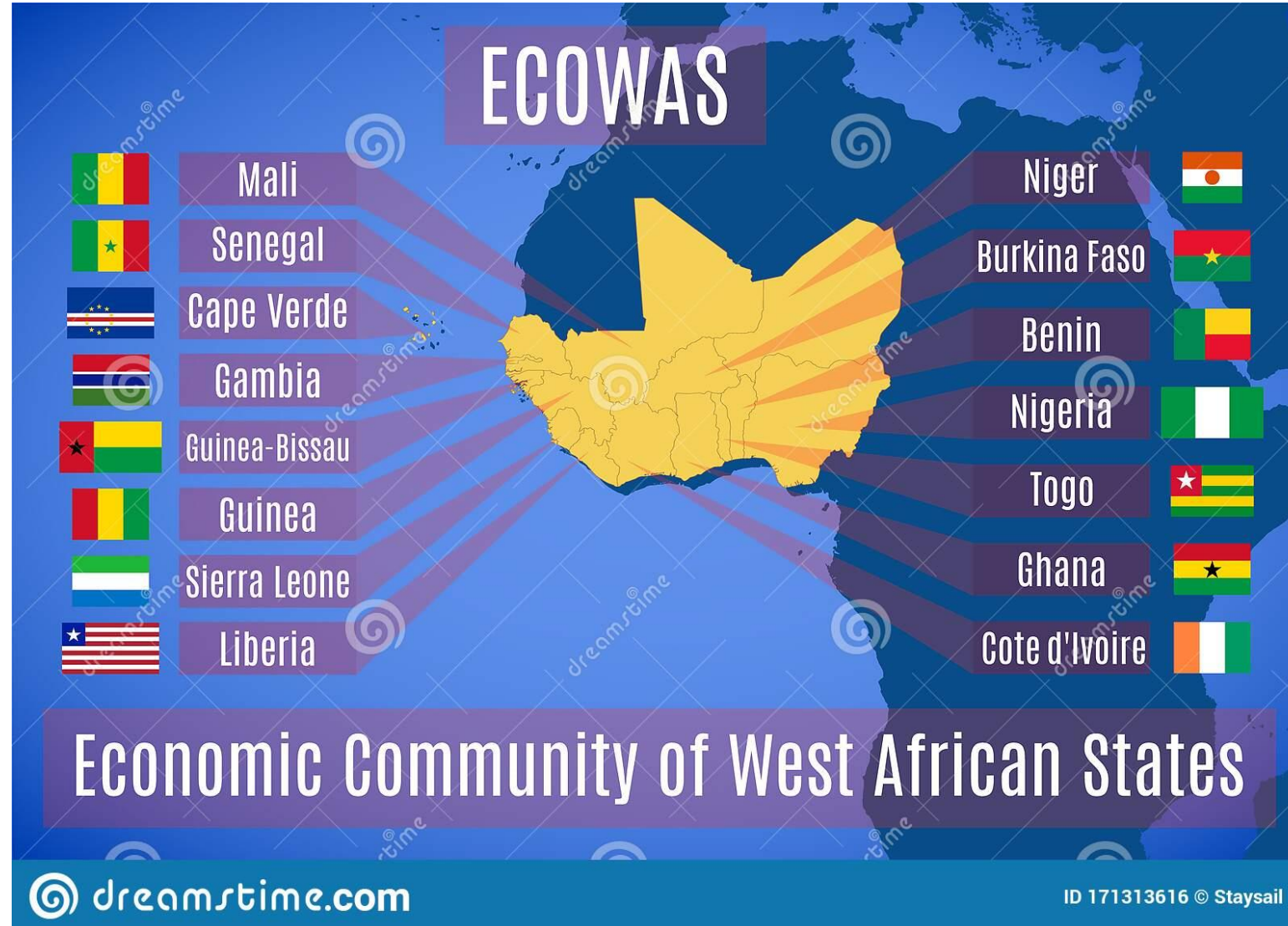
Full Members:
49
(Cape Verde & Niger added)

Ordinary Members:
None currently
Associate Members
8
Observers
5





ECOMET has been Formed as
a 7th sub-RMO of AFRIMETS



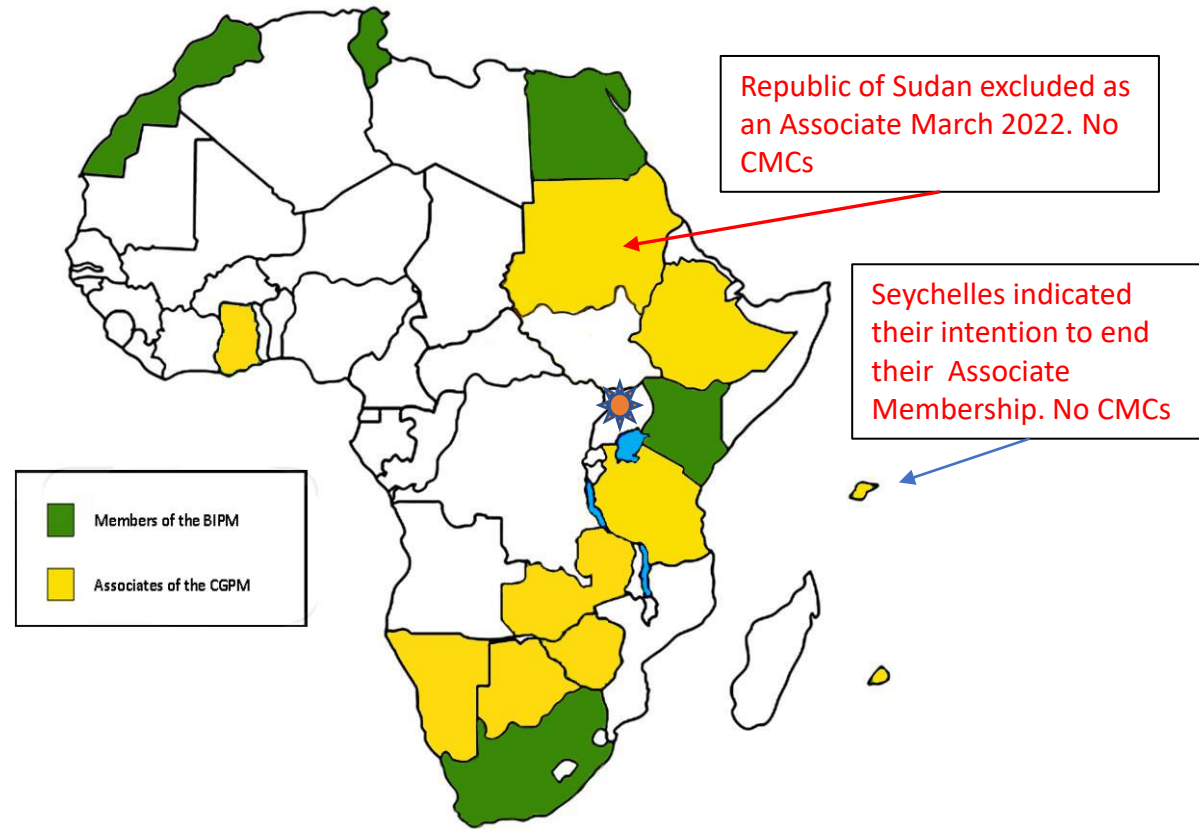


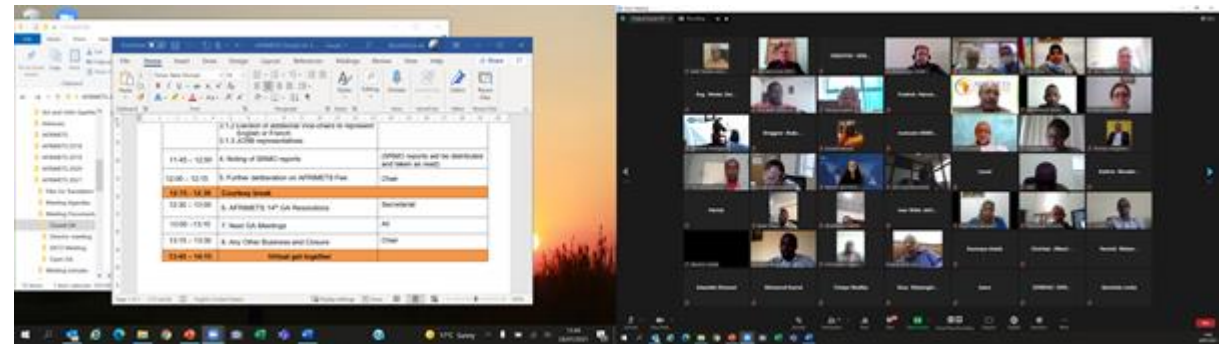
Scientific Metrology: Metre Convention

2007



2022





Held and Online General Assembly in July 2021. No changes to the AFRIMETS Leadership as the GA 2021 decided to postpone elections to a physical GA in 2022.

- **Chair:** **Prof. Dr. Mohamed Amer (Egypt)**
- Vice-Chair Scientific: Dr Henry Rotich (Kenya)
- **Vice-Chair Legal Metrology:** Mr Jaco Marneweck (South Africa: Ending 2nd term in 2022 and Mr John Paul Musimami from Uganda elected as the incoming chair)
- Head of the Secretariat: Dr Wynand Louw (South Africa)
- Chair TC-QS: Dr Noha Emad Khaled (Egypt)
- Secretariat: South Africa (NMISA and NRCS)
- TC-QS Secretariat: Egypt (NIS)



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
- Some countries still prefer to publish a CMC for each service while others prefer to publish a CMC for their primary services and link the others as allowed by the CCs (for example NIS)
- **NMISA (South Africa)** reports that 90 % of its services are currently covered by its **532 CMCs**
- **NIS (Egypt)** is in the process to determine its % of internationally recognized services linked to its **83 CMCs**
- The other countries are still reporting the number of CMCs. 709 CMCs in total (incl. South Africa):

•	KEBS	(Kenya)	=	27
•	DEFNAT	(Tunisia)	=	21
•	SIRDC	(Zimbabwe)	=	19
•	ZMA	(Zambia)	=	11
•	NSI	(Namibia)	=	7
•	LPEE	(Morocco)	=	5
•	BOBS	(Botswana)	=	3

AFRIMETS Activities 2021/22

AFRIMETS is involved in several initiatives and meetings through the Pan African Quality Infrastructure (PAQI), 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)

- 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

AFRIMETS Activities 2021/22

Intercomparison of National Measurement Standards continued:

- AFRIMETS T-S2 on Industrial PRT Calibration Capability, **Completed**
- AFRIMETS T-S7 of Noble Metal Thermocouples, **In progress**
- AFRIMETS EM-S2 (Comparison on Digital Multimeters), **Started**
- AFRIMETS.L-K1.2020 (Calibration of Short Gauge Blocks by Interferometry), **Started**
- AFRIMETS LK 1: End Standards, gauge blocks by interferometry, **In progress**
- AFRIMETS LS 1: End standards, gauge blocks by mechanical measurement, **Start soon**
- AFRIMETS LS 5: Hand-held measuring instruments, **Start soon**
- AFRIMETS.EM-S1: Resistance comparison, **Completed**
- AFRIMETS.EM-S2: Digital multimeter comparison, **Schedule interrupted by Covid-19 pandemic and standards are currently with last scheduled participant**

AFRIMETS Activities 2021/22

Intercomparison of National Measurement Standards continued:

- AFRIMETS.M.FF-K4.2: Fluid flow, 100 μ L, **Completed**
- AFRIMETS.M.F-S2: Force, 500 kN, **Completed**
- AFRIMETS.M.D-S4: Density (Hydrometers), **Completed**
- AFRIMETS.M.M-K7: Mass 0,5 g – 5 kg, **Completed, final report in progress**
- AFRIMETS.M.F-S1: Force, 10 & 100 kN, **Completed, first report in progress**
- AFRIMETS.M.P-K2: Pressure, (10-110 kPa), **Measurements in progress**
- AFRIMETS.M.FF-S1: Fluid flow, (50-5 000) mL/min, **Measurements in progress**



Future Activities

- TC-QM is organising a Workshop on Food Safety (NIM China participated and was a joint partner of the previous Workshop). A virtual conference were held in August and the physical workshop is now happening from 27 June to 01 July 2022. Interested parties can go to <https://afsw2022.co.za/> or e-mail Clourens@nmisa.org
- AFRIMETS participated in the Intra Africa Trade Fair in mid November 2021
- Changed original plans for a physical GA in July 2022 to hold a 15th GA online the last two weeks of July 2022. The dates for the Open and Closed GA will be communicated soon



Thank you
and Stay
Safe!



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