



AFRIMETS

Summary of Annual report June 2021

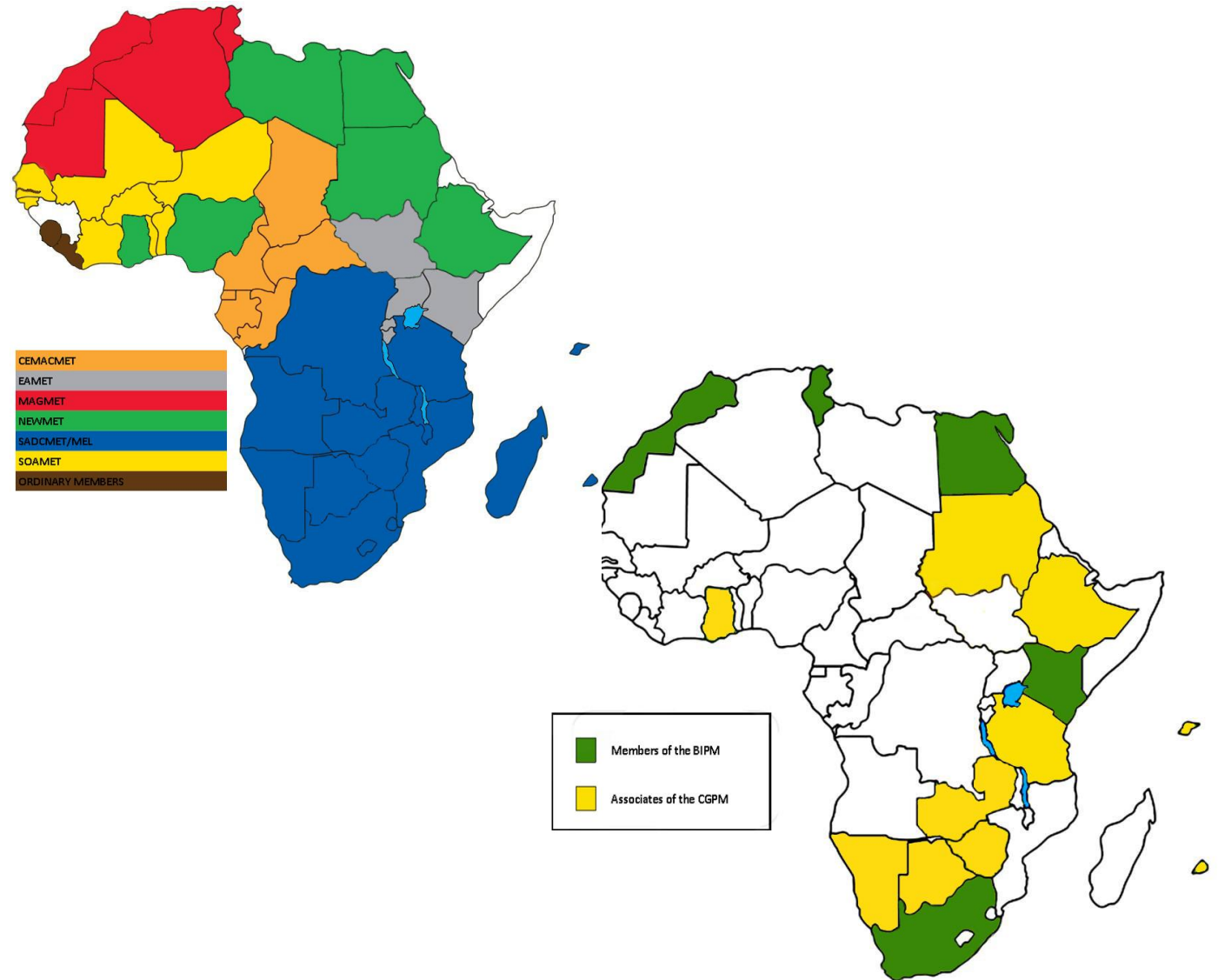
Dr Wynand Louw

Head of the Secretariat



AFRIMETS Members (2021)

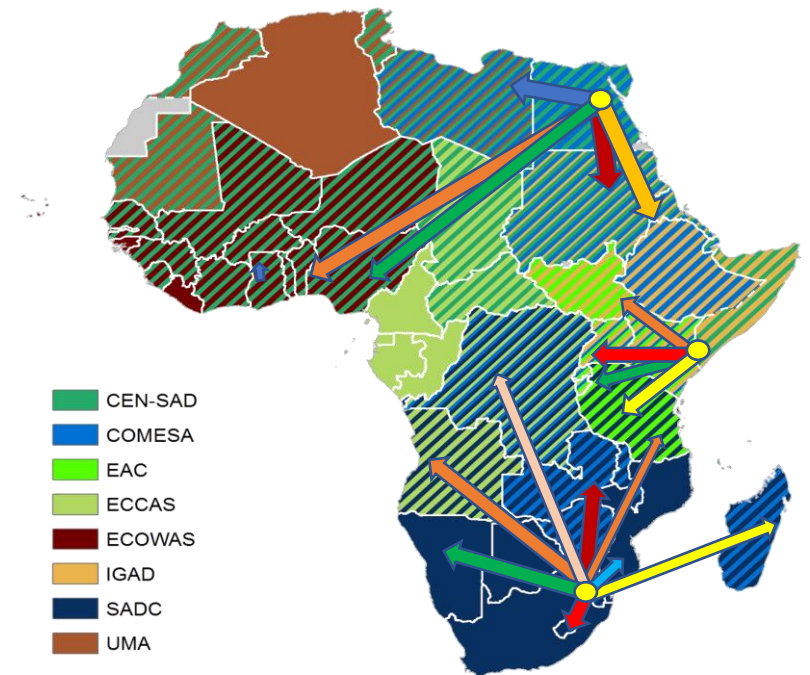
- AFRIMETS currently has 46 member countries and 7 Associates (Incl. the IAEA, PTB & LNE)
- Eight Observer members including EURAMET, APMP and SIM
- Five countries are Signatories to the Metre Convention
- Ten countries are Associates of the CGPM (Zimbabwe is currently suspended pending the payment of fees in arrears)
- See www.AFRIMETS.org





Internationally Accepted Measurement Capabilities

- **625 CMCs from 7 countries**
- The number decreased since the last report as a result of consolidation in CCs towards broad-based CMCs
- NIS (Egypt) and NMISA (RSA) have most of their services linked to CMCs. In future they will report the % services that is internationally accepted through the CIPM MRA
- The major sub-regional “Hubs” such as NIS, KEBS, NMISA (and now joined by DEFNAT/INRAP, LPEE, NMIE and GSA) provide traceability to the countries in their sub-regions
- Countries also source traceability from NMIs outside Africa, for example the Francophone countries cooperate with LNE and PTB, and several source traceability for some parameters from PTB, NPL, IPQ, CEM, INRIM, METAS, VSL, NIS, NMII, NIM, etc.





Comparisons and QSs

- *Regional comparisons of Measurement Standards*
 - 6 Technical Committees organise regional comparisons
 - Currently 11 active AFRIMETS comparisons (physical parameters) and 10 ILC (Food safety, etc.)
 - Proficiency Testing Schemes are offered for 3rd party accredited laboratories
- *Training in metrology/measurement*
 - Virtual training tools have increased due to the pandemic
 - At least 5 countries are now offering online Measurement programmes
- **Implementation of Quality Systems based on ISO/IEC 17025, 17043 and ISO 17034.**
 - AFRIMETS TC-QS evaluates the QSs of the NMIs that participates in the CIPM MRA
 - It is primarily based on 3rd party accreditation to ISO/IEC 17025 and the other standards for Reference Material production and PTS



QSs continued

- The past year AFRIMETS TC-QS reviewed and accepted the QSs of:
 - KEBS (Kenya). Conducted with on-site technical reviews and 3rd party accreditation assessments before the lockdowns and the review was finalised online. The letter of continued acceptance of the QS as fit-for-purpose for the CIPM MRA was issued in February 2021. It includes Electricity, Mass, Length and Chemistry. The remote technical review of the AUV section is currently being conducted
 - NMISA (RSA). NMISA relies on 3rd party accreditation with technical assessors approved by AFRIMETS TC-QS. In addition, an on-site review of the Organic purity analysis capability was conducted by an AFRIMETS review team (with a technical assessor from NIST and a lead assessor from NIS) during February 2020. The QS review was finalised online and the letter issued in March 2021
 - NIS (Egypt). The review was conducted with an onsite visit by a technical assessor for the electricity parameters and online reviews for the other laboratories. It included video witnessing and a full review of the NIS QS documentation. The process was concluded in April 2021 and the letter issued in May 2021.
- A number of first-assessments are underway for NMIs that recently became Members or Associates and that want to submit CMCs. The reviews of GSA (Ghana), NMIE (Ethiopia) and LPEE (Morocco) are expected to be concluded during 2021



Upcoming Activities

- AFRIMETS 14th General Assembly: July 2021 (online)
 - Current focus is on the Pan African Quality Infrastructure activities for the African Continental Free Trade Area
 - QI Casava study
 - Testing capacity in sub-regions in preparation for the AfCFTA
 - Preparing a NMI “Services Database” that will form the basis for intra-Africa recognition of capabilities for intra-trade

Africa Food Safety Workshop 2021



Join us for a free virtual workshop to promote standards, reliable testing and international cooperation for better public health and trade.

4 August 2021
11:30 - 16:30

Register now:
www.nmisa/pages/AFSW2021



Office Bearer Updates: 2019 to 2021

- **Chair:** **Prof. Dr Mohamed Amer (Egypt)**
- Vice-Chair Scientific: Dr Henry Rotich (Kenya)
- Vice-Chair Legal Metrology: Mr Jaco Marneweck (South Africa)
- AFRIMETS Secretariat: South Africa (NMISA and NRCS)
- Head of the Secretariat: Dr Wynand Louw (South Africa)
- Chair TC-QS: Dr Noha Emad Khaled (Egypt)
- TC-QS Secretariat: Dr Gouda Mohamed (NIS, Egypt), Me Lerato Ntatomala (NMISA)
- JCRB Representatives: Dr Amer, Dr Louw (OR), Dr Noha Emad Khaled, Dr Berrada, Eng. Abdelkarim Mallat



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



Thank you!

