

A stack of white papers on a purple background.A globe showing the Earth on a purple background.

SADC MET WATER PT

A stack of white papers on a green background.

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A yellow alarm clock with a red base on a yellow background.



Presentation Outline

- Background
- Objectives of SADCWATERLAB Association
- Membership and structure
- Role of the Local Coordinators
- Funding Mechanism
- Challenges

SADCMET WATER PT

- Started in 2004 with about 25 lab personnel mainly from the NSBs of SADC and EAC countries.
- Objective of establishing a Proficiency Testing Scheme for water testing laboratories
- Started with Chemical analysis with 27 labs participating in 1st round PT in 2004
- Umgeni Water was the first PT Provider for Chemical analysis
- Currently NAMWATER is the PT provider
- To date more than 45 labs are participating in Chemical analysis



SADC WATERLAB ASSOCIATION

- An association of Water testing labs in the SADC region established through an MoU
- Initiated in Dar es Salaam, in Nov 2005 was finalized in 2008 and all participating labs are signatories of the MoU
- The SADCWATERLAB Association is coordinated by the SADC MET Secretariat located at, NMISA, South Africa
- MoU is available on the SADC MET website on www.sadcmnet.org



SADC WATERLAB

Objectives

The association is a regional not for profit organization. Its major aims are:

- To facilitate technical cooperation and collaboration amongst regional labs involved in water testing
- To run a proficiency testing scheme for water analysis
- To provide an organized interface at the regional level between these labs and other SQAM structures involved in conformity assessment issues
- To promote development and harmonization of measurement, test and analytical methods
- Capacity building
- Promote Labs accreditation



MEMBERSHIP

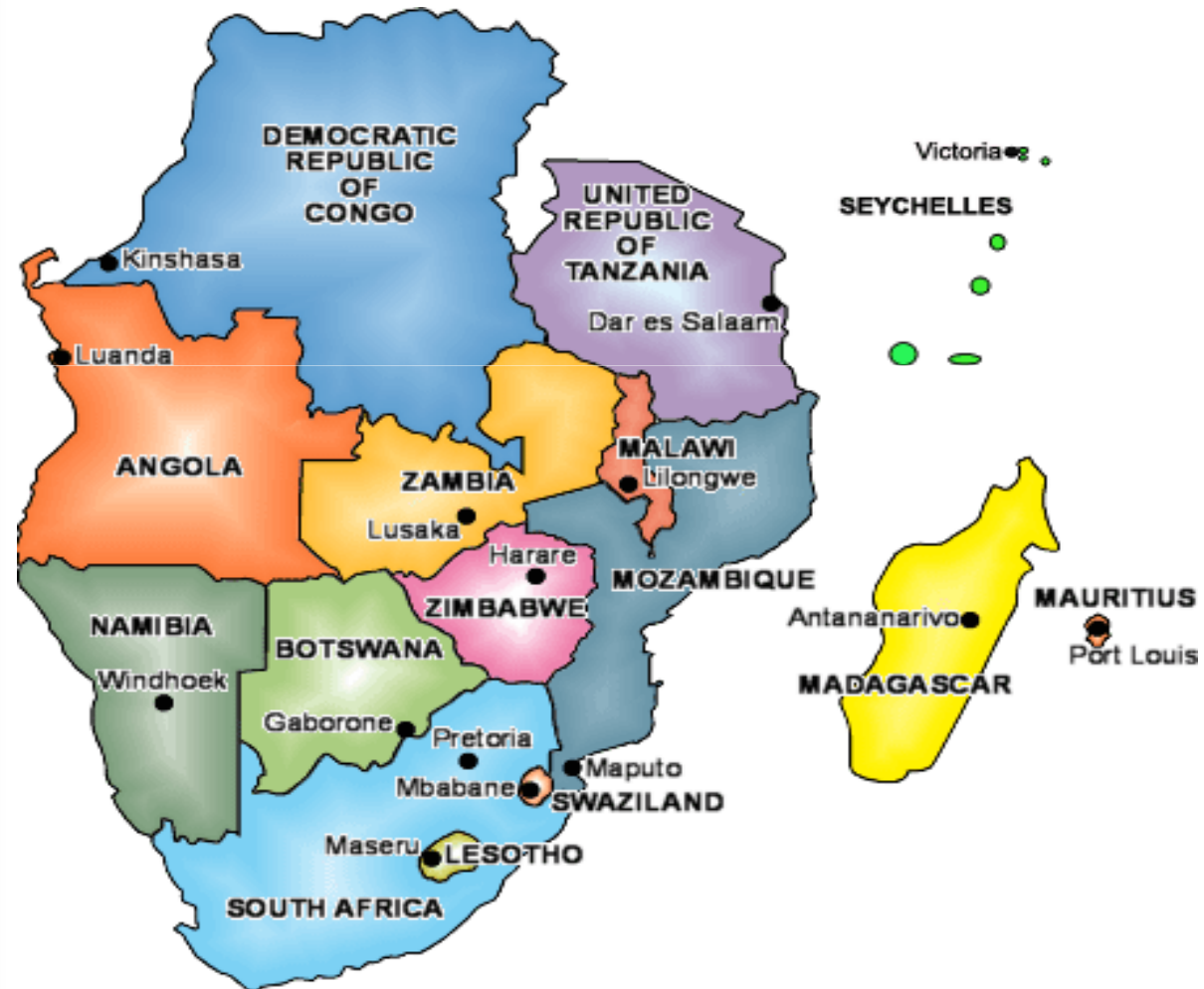
- The members shall be those labs, labs associations, individuals and any organisations who subscribe to the objectives and values of the association.

MEMBERSHIP – 2 categories

- **Ordinary members:** Labs & Lab Associations in SADC countries involved in water testing and analyses
- **Associate members:** Labs and Lab Association in non-SADC countries involved in water testing and analyses
- **Membership fees:** Currently no membership fees but GA may decide as/when the need arises.



Ordinary SADC MEMBERS



Associate Members

- Kenya
- Uganda
- Rwanda (for Microbiology)
- Ethiopia (for Microbiology)

SADC WATERLAB STRUCTURE

- General Assembly
- Project Management Committee (PMC) which consist of :
 1. Chair: Tanzania
 2. Vice Chair: Zimbabwe
 3. Secretariat (SADCMET) - Regional coordinator
 4. Four elected PMC Members
 1. Botswana
 2. Madagascar
 3. Zambia
 4. Mauritius

2 Ex-officio members:

NAMWATER: PT provider for Chemical analysis and

UNBS: PT provider for Microbiology analysis



Evaluation Workshops

- Evaluation workshops are held after every PT round to evaluate all aspects that are derived from the results
- Five chemical analysis and one Microbiology analysis evaluation workshops have been held:
 - Pilot workshop – Namibia 2004
 - PT 1: South Africa – 2004
 - PT 2: Tanzania – 2005
 - PT 3: Botswana – 2006
 - PT 4: Tanzania – 2007
 - PT 5: Chemical and PT 1: Micro; Uganda – 2008
- Next Evaluation workshop will take place in Seychelles in Nov 2009



Microbiology PT

- In 2005 a decision was taken to extend Water PT to include microbiology analysis
- Nominated UNBS to be the pilot lab
- 3 personnel (2 from UNBS and 1 from ZIMLAB) were trained as PT providers in Germany
- 1st round microbiology PT started in 2008
- PT1 Evaluation workshop was held in Kampala, Uganda

Local Coordinators

- Local Coordinators have been appointed in each country to coordinate and promote PT scheme at national level for both Chemical and Microbiology
- Roles and responsibilities of Local Coordinators include:
 - Promote the PT schemes at the national level
 - Organise the local distribution of samples
 - Organise the payment for PT in their countries where necessary
 - Dissemination of information from PT workshops
 - Link between PT provider and participating labs on a country level
- Brochures have been developed and are used by Local Coordinators for promotional purposes



Funding Mechanism

- The scheme is fully funded by PTB since its inception which includes:
 - Transportation of samples
 - Training of PT providers and participants
 - Consultancy fees for PT facilitators
 - Participation of delegates in the Evaluation workshops
- Participating labs pay U\$100 participation fees which is used for preparation of samples by the PT provider



Challenges

- Lack of sustainable funding mechanism
- Lack of understanding of fundamentals of the PTs by the labs
- Insufficient capacity and resources in the member states
- Lack of quality management systems in most labs
- Proliferation of PT schemes resulting in duplication and competition
- Customs problems with transportation of samples



CONCLUSION

- Generally the scheme has been very successful
- There is need to expand the scheme to cover other matrices i.e. food which can done under a broader SADC Lab association

For more info:
www.sadcmnet.org

Thank you



Southern African Development Community Cooperation in Measurement Traceability

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SADCMET Home

AFRIMETS

The SADC Cooperation in Measurement Traceability co-ordinate metrology activities and services in the Region, in order to provide regional calibration and testing services, including regulatory bodies, with readily available traceability to the SI units of measurement, through legally Regional co-operation and integration in southern Africa owes its origin to historical, economic, political, social and cultural factors that have created strong bonds of solidarity and unity among the peoples of southern Africa. These factors have contributed to the formation of a distinct southern African personality and identity that underpins political and economic co-operation.



The formal establishment of structures to promote regional cooperation and integration started as an initiative of the Frontline States, the original members of which were Angola, Botswana, Mozambique, Tanzania and Zambia. This initiative was directed initially towards the political liberation of the region. Most of the countries of southern Africa ultimately achieved political independence, but against a background of mass poverty, economic backwardness and the threat of powerful and hostile white minority

The workshop resolved to create AFRIMETS as the umbrella body for metrology cooperation in Africa, encompassing legal, scientific and industrial metrology, open to non-exclusive partnerships, to stimulate collaboration in the area of measurement and measurement standards. It empowers the New Partnership for Africa's Development (NEPAD), in cooperation with SADCMET, to establish a task force to take all the necessary actions to achieve its stated objectives.

Demystifying SQAM

The demystifying CD has been Placed up on the Website and available for download. click Here for the Link.

SADC

The crans of SADC lie in the 1960s and