



Mass and Related quantities in AFRIMETS

The Intra-Africa Metrology System

14th CCM meeting . BIPM

February 2013

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Chair of Mass and related quantities of AFRIMETS

Head of Mass, density and pressure lab NIS- Egypt

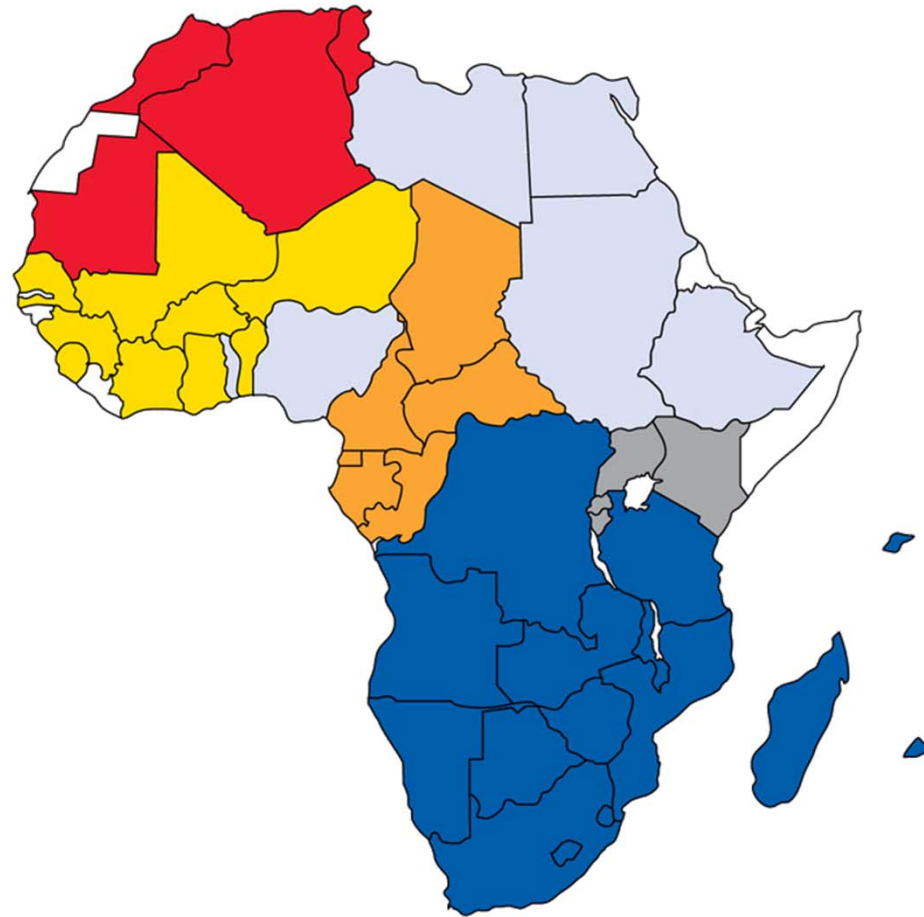
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AFRIMETS

African sub-regional metrology organisations:

EAMET,
MAGMET,
SADCMET/MEL,
CEMACMET,
SOAMET,
NEWMET



CEMACMET
EAMET
MAGMET
NEWMET
SADCMET
SOAMET

TC-M working group meeting 2011 – Kenya

Training workshop

Status of AFRIMETS comparison

Country report

Report of the training workshop

Report of CCM conference in Germany

Report of IMEKO TC16 conference in Germany

CMC Review Members

Nomination of Vice chair and sub working groups chairs

TC-M working group meeting 2012 – Benen

Training workshop

Status of AFRIMETS comparison

Country report

Report of the training workshop

Establishment of CMC Review panel

Election of TC chair, Vice chair and sub working groups chairs

BIPM membership and CMC status

	Member States of BIPM	Associates of the CGPM	published CMC	Apply for new CMC
Egypt	√		X	X
Kenya	√			X
South Africa	√		X	
Tunisia	√			X
Botswana		√		
Ghana		√		
Mauritius		√		
Namibia		√		
Seychelles		√		
Zambia		√		
Zimbabwe		√		
Angola				
Congo				
Ethiopia				
Malawi				
Morocco				
Mozambique				
Swaziland				
Tanzania				
Uganda				

Key Comparisons status

AFRIMETS.M.P- K2

Pressure measurements (absolute mode)

2012 – 2013

Key comparison in Mass, Pressure

Absolute pressure: 10 kPa to 120 kPa

Status : In progress according plan

SADCMET.M.M- K5

Comparison of mass standards

2002 - 2005

Key comparison in Mass, Mass Standards

Mass: 200 mg, 1 g, 50 g, 200 g, 2 kg

In progress

Supplementary comparison

[AFRIMETS.M.M- S2](#)

Comparison of mass standards

2011 – 2012

Supplementary comparison in Mass, Mass Standards

Mass: 100 g, 2 g, 20 g, 500 g and 1 kg

In progress

[SADCMET.M.M- S1](#)

Comparison of mass standards

2005 - 2006

Supplementary comparison in Mass, Mass Standards

Mass: 1 kg at the F1 and F2 level

In progress

[AFRIMETS.M.M- S3](#)

Comparison of mass standards

2013

Supplementary comparison in Mass, Mass Standards

Mass: 100 g, 2 g, 20 g, 500 g and 10 kg

In progress

[AFRIMETS.M.P- S1](#)

Pressure measurements in oil (gauge mode)

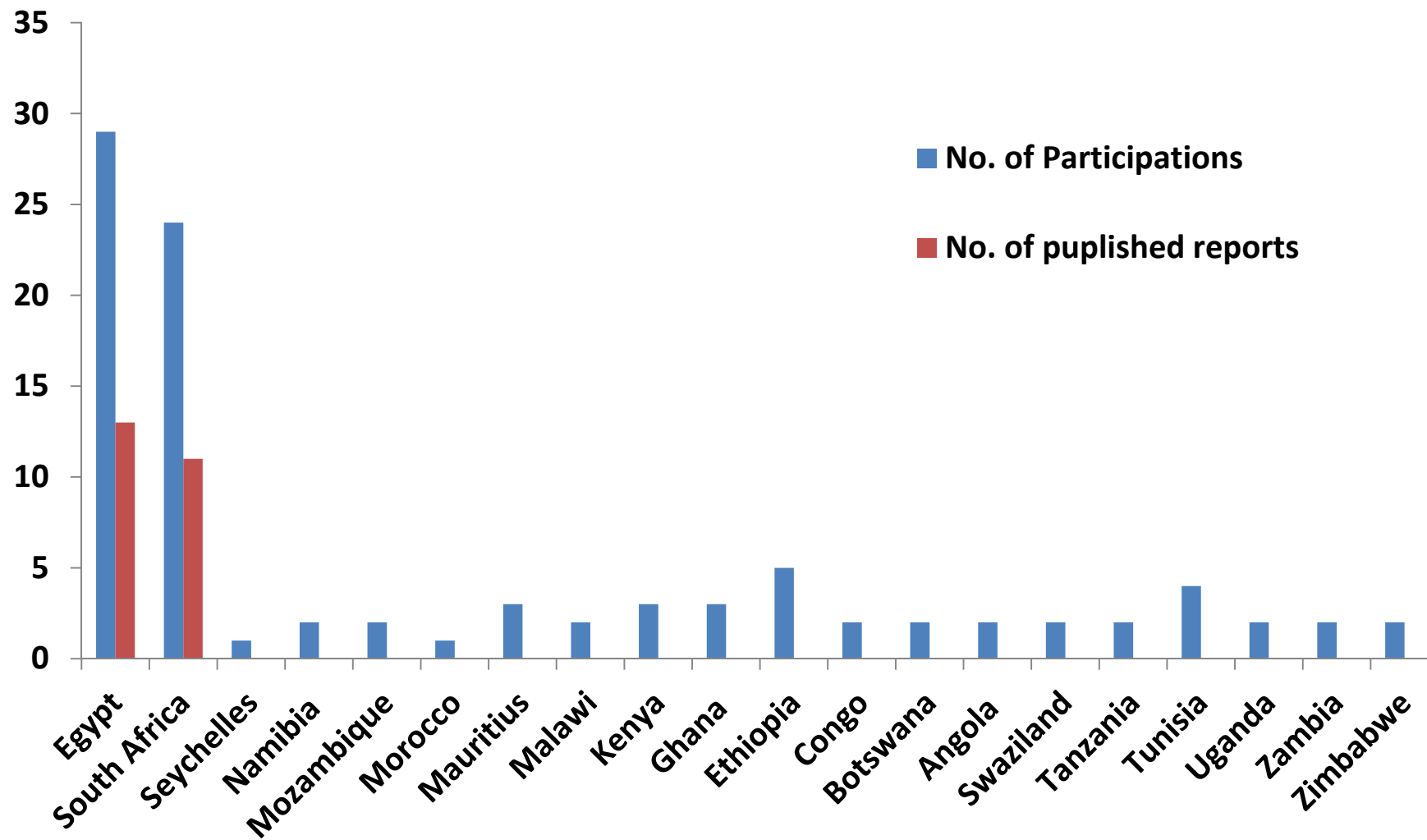
2013

Supplementary comparison in Mass, Pressure

Pressure : 20 to 200 MPa

In progress

Number of participations and the number of published reports of each country



Number of participations and the number of published reports of each country

	No. of Participated Comp	CCM	EURAMET	APMP	AFRIMETS	SADECMET	No. of Published reports
Egypt	29	8	7	8	4	2	13
Kenya	3			1	2		0
South Africa	24	7	3	10	2	2	11
Tunisia	4		2		2		0
<i>Botswana</i>	2					2	0
<i>Ghana</i>	3				3		0
<i>Mauritius</i>	3				1	2	0
<i>Namibia</i>	2					2	0
<i>Seychelles</i>	1					1	0
<i>Zambia</i>	2					2	0
<i>Zimbabwe</i>	2					2	0
Angola	2					2	0
Congo	2					2	0
Ethiopia	5				3	2	0
Malawi	2					2	0
Morocco	1				1		0
Mozambique	2					2	0
Swaziland	2					2	0
Tanzania	2					2	0
Uganda	2					2	0
TOTAL		15	12	19	18	31	