

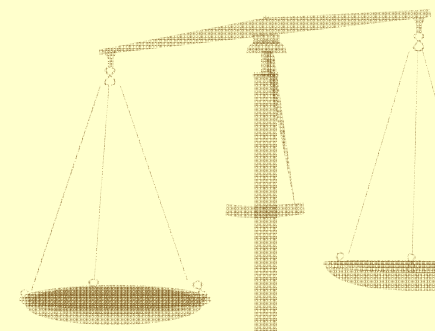


AFRIMETS Annual Update

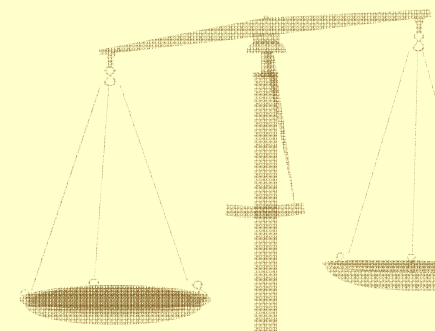
July 2011

Dr Wynand Louw

Chair: AFRIMETS



- ❑ An Overview of AFRIMETS
- ❑ Activities in 2011
- ❑ The AFRIMETS Strategy

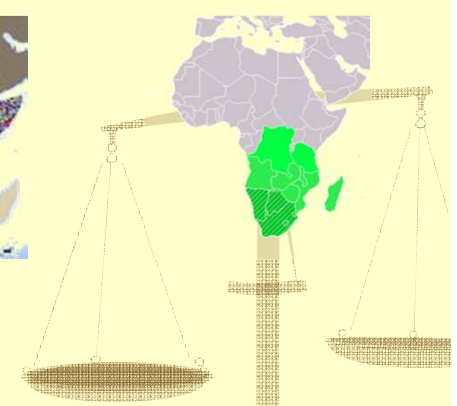




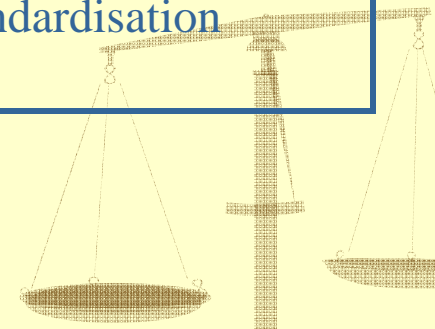
AFRIMETS
Intra-Africa Metrology System
Système Intra-Africain de Métrologie

the AFRIMETS members (2011)

CEMACMET	Cameroon, Central African Republic, Chad, Equatorial-Guinea, Gabon, Republic of the Congo
EAMET	Kenya, Uganda, Rwanda, Burundi
MAGMET	Algeria, Morocco, Tunisia, Mauritania
SADCMET-MEL	Angola, Botswana, DRC, Lesotho, Madagascar, Malawi, Mauritius, Mozambique, Namibia, South Africa, Swaziland, Tanzania, Zambia, Zimbabwe and Seychelles
SOAMET	Benin, Burkina-Faso, Côte d'Ivoire, Guinea-Bissau, Mali, Niger, Senegal, Togo
NEWMET	Egypt, Ethiopia, Ghana, Libya, Nigeria, Sudan, Libya



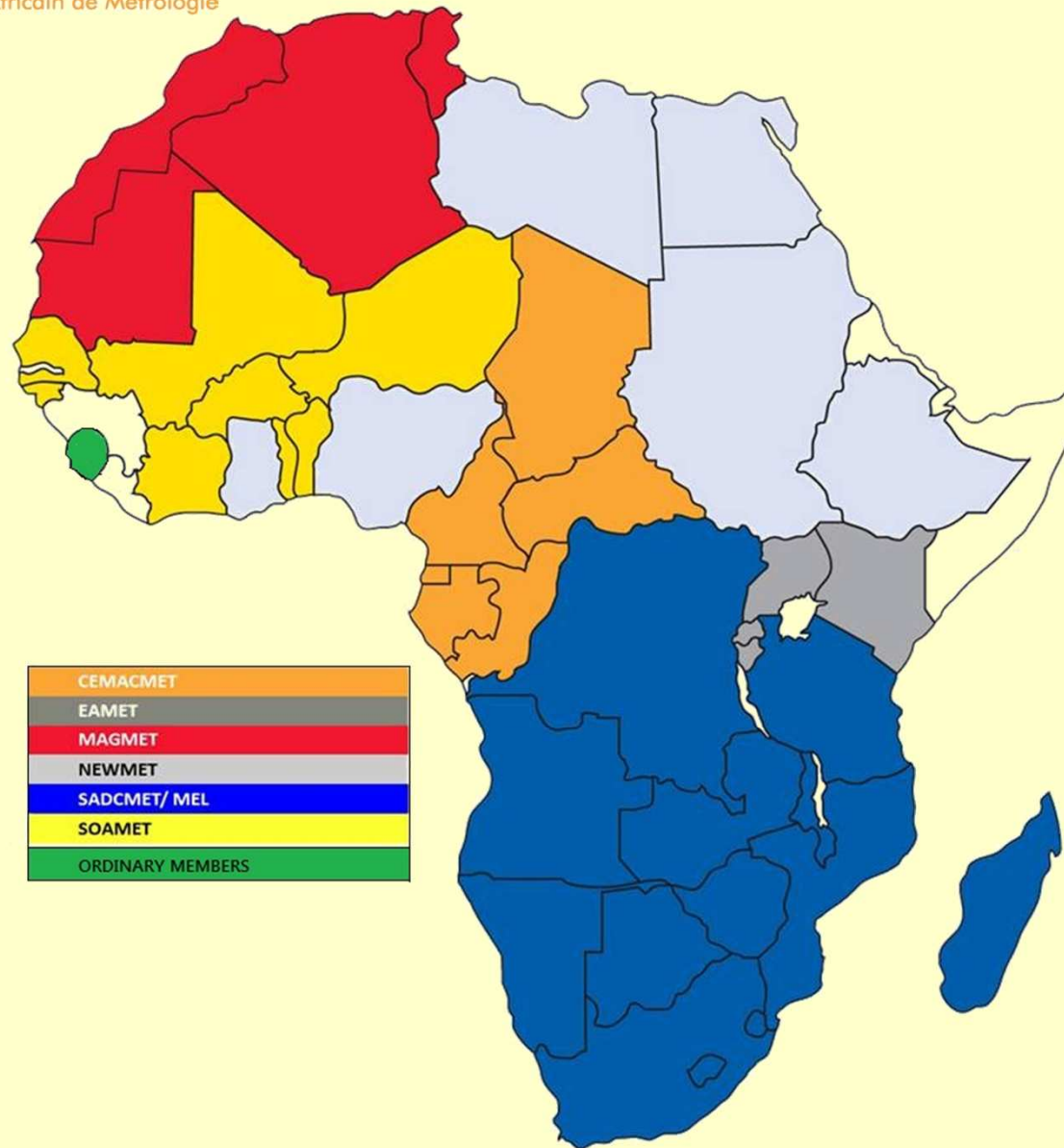
<p>Ordinary Members (1)</p>	<ul style="list-style-type: none"> ■ Sierra Leone; (The Gambia indicated interest)
<p>Associate Members (7)</p>	<ul style="list-style-type: none"> ■ LNE, France ■ PTB, Germany ■ <i>NIRPS (National Institute of Radiation Protection and Research (Nigeria))</i> ■ <i>GRPI (Ghana Radiation Protection Institute)</i> ■ <i>TAEC (Tanzania Atomic Energy Commission)</i> ■ <i>Madagascar-INSTN,</i> ■ <i>IAEA (became member during 2010)</i> ■ <u><i>IPQ (discussions underway)</i></u>
<p>Observers (4)</p>	<ul style="list-style-type: none"> ■ EURAMET ■ CAFMET (Comité Africain de Métrologie) ■ AFM (Arab Federation for Metrology) ■ AFSEC (African Electrotechnical Standardisation Commission)



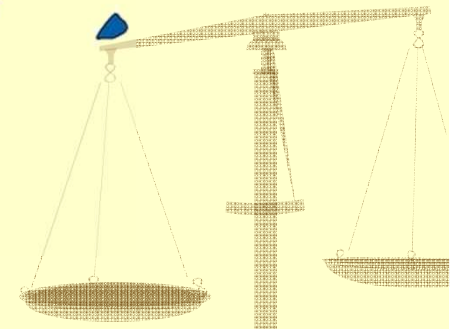


AFRIMETS
Intra-Africa Metrology System
Système Intra-Africain de Métrologie

the members (2011)



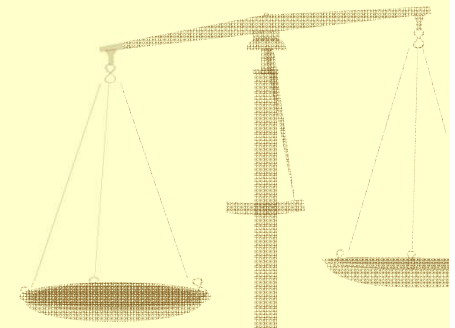
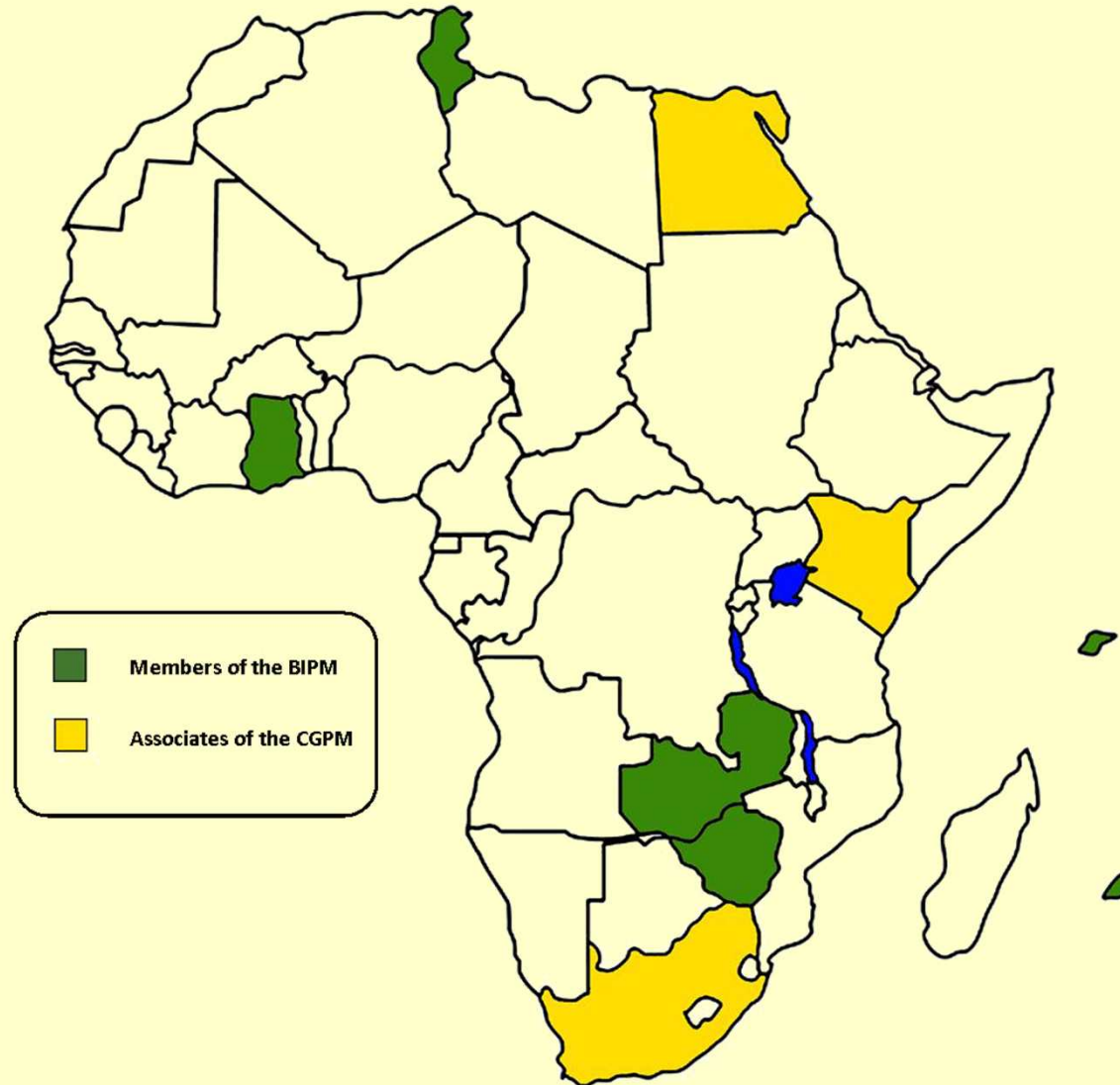
CEMACMET
EAMET
MAGMET
NEWMET
SADC/MET
SOAMET
ORDINARY MEMBERS





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

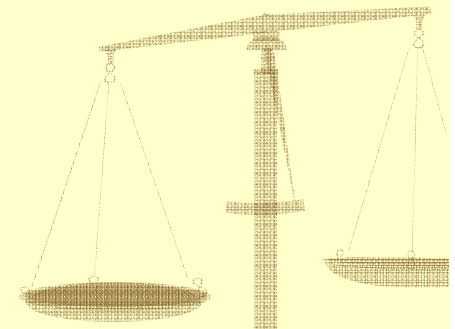
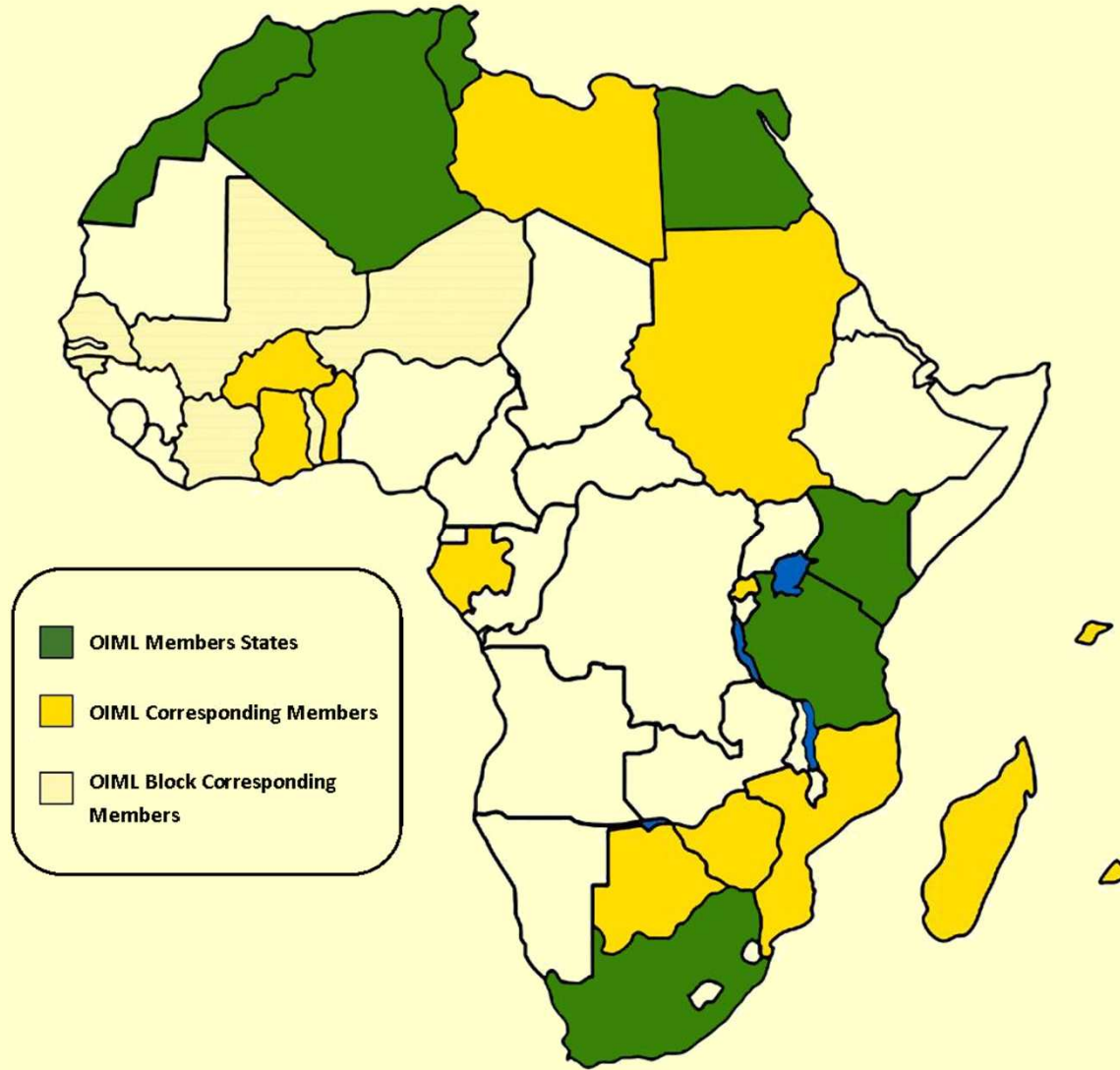
the members of the BIPM, Associates of the CGPM (2011)





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

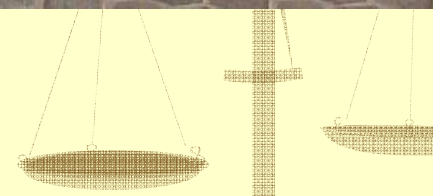
the members and corresponding members of the OIML, (2011)



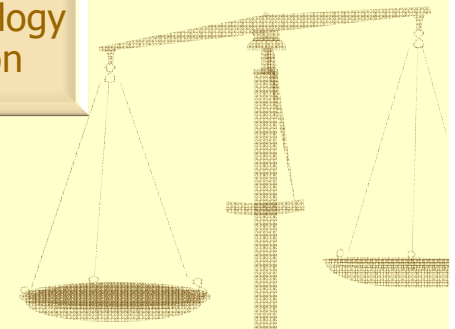
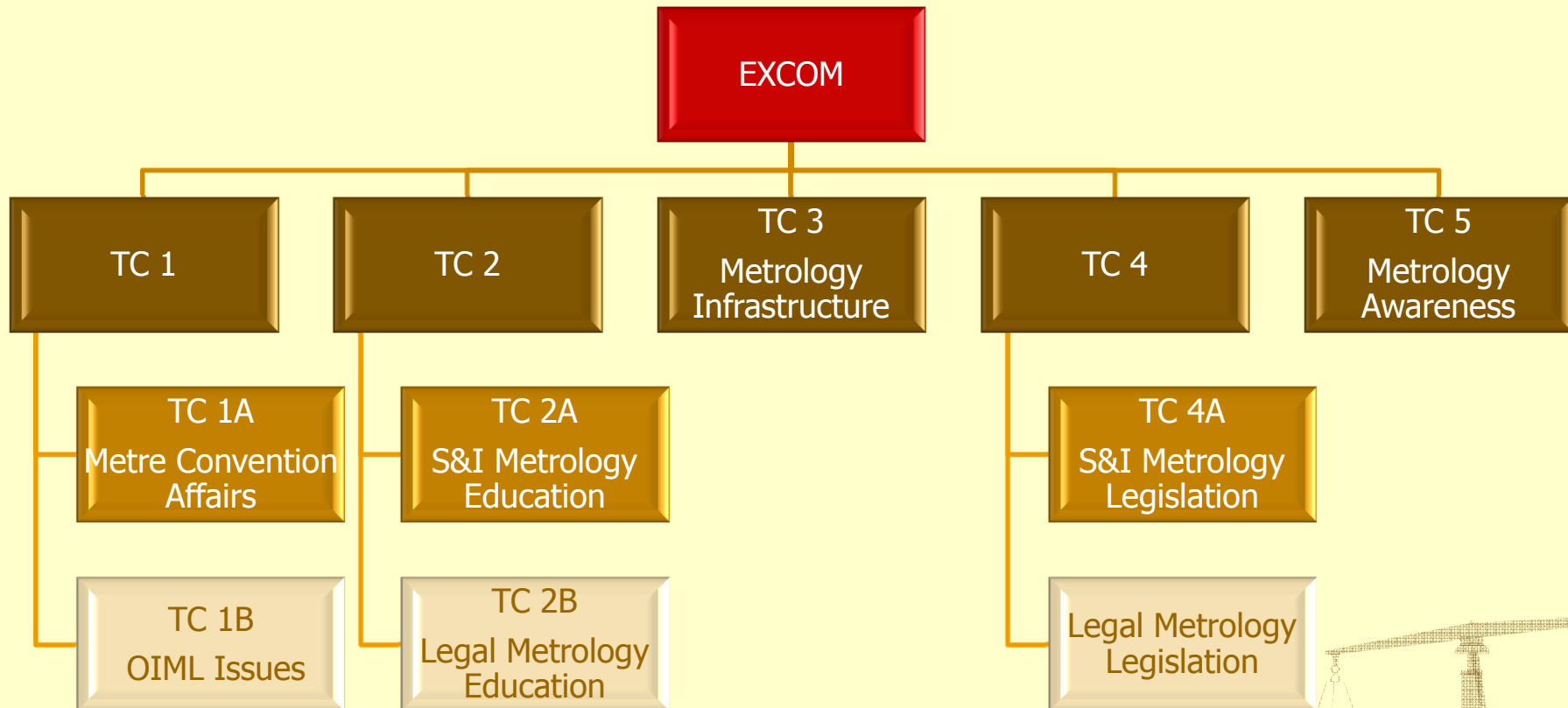


AFRIMETS
Intra-Africa Metrology System
Système Intra-Africain de Métrologie

4th GA 2010

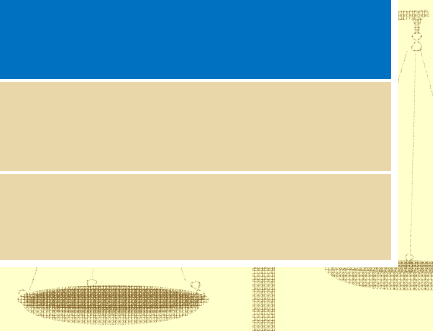


The Technical committees



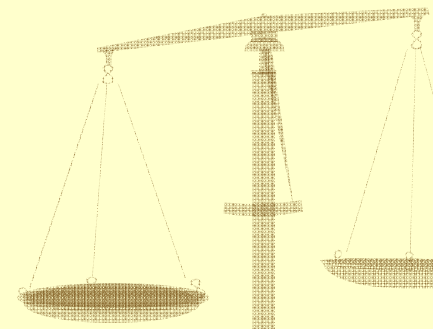
The TC 1A-Working Groups

TC-Mass and Related Quantities (TC-M)	Mass
	Flow
	Pressure
	Force, Torque and Hardness
	Dimensional (Length)
TC-AUV	Acoustics, Ultrasound and Vibration
TC-T	Temperature
TC-TF	Time and Frequency, Fibre Optics
TC-EM	Voltage, Resistance, AC power and energy, Radio Frequency
TC-PR	Photometry and Radiometry
TC-RI	Ionising Radiation



The TC Working Groups cont.

TC-QM Metrology in Chemistry	Organic and Bio Analysis
	Inorganic
	Gas
	Testing Laboratories
TC-QS	Quality Working Group
TC 1B Working Groups	
TC-WM	Weights and Measures

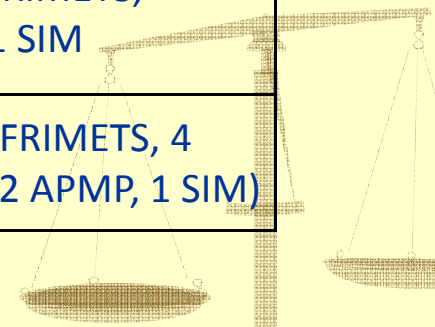


- CMCs published by NMISA and NIS:
 - NIS 24 (Mass-7; Pressure-6; Torque, Viscosity, Hardness and gravity-5; Force-4; Laser frequencies-2)
 - NIS submitted CMCs in Time and Frequency
 - NMISA 349 (General Physics-290; IR-37 and MIC-22)
- Kenya submitted their QS to AFRIMETS TC-QS for approval
- Kenya participating in two AFRIMETS key comparisons to support CMCs
- Tunisia getting ready to submit QS for approval



AFRIMETS Comparisons

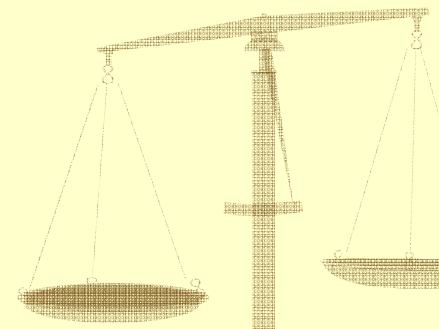
<u>No.</u>	<u>Comparison</u>	<u>Status</u>	<u>No of Participants</u>
1	AFRIMETS.T-S1 (Industrial PRTs from -50°C to 450 °)	In progress. Additional artefacts sponsored by UNIDO to start two additional loops	14 AFRIMETS 1 APMP (NIMT)
2	AFRIMETS.RI(1)-S1 Measurement of Air Kerma (covering ¹³⁷ Cs, ⁶⁰ Co and/or x-ray beam)	Registered, will start in the next two months	Tbf, currently 5 AFRIMETS
3	AFRIMETS.PR-K3a (to be registered) -Luminous intensity	Links to CCPR-K3.a and CCPR-K4. Amendments to Protocol requested by CCPR	3 AFRIMETS, 2 APMP and 1 EURAMET
4	AFRIMETS.AUV.V-S2 Vibration acceleration	Vibration Acceleration	1 AFRIMETS, 1 SIM
5	AFRIMETS.QM-K27	Ethanol in Aqueous matrix	10 (3 AFRIMETS, 4 EURAMET, 2 APMP, 1 SIM)





AFRIMETS Meetings/Conferences for 2011

- AFRIMETS Metrology School; 7-16 February
- SADC Meetings, Gaborone, 21-25 March
- JCRB meeting; Paris, 21-22 March (AFRIMETS Delegates -5)
- AFRIMETS Roadmap Francophone workshop, Paris, 23 March
- Pan-African SQAM meeting; Nairobi, 5-6 April 2011 (Chairs of AFRIMETS, ARSO, AFRAC, AFSEC)
- AFRIMETS TC and Working Group Meetings, Nairobi, 18-20 July, AFRIMETS GA, 20-22 July, Nairobi
- 3rd Metrology Forum, 24-26 October, Accra
- 27th JCRB meeting, 14-15 September, Vienna
- SADC Water PT workshop, 14-18 Nov, Mauritius





AFRIMETS Meetings/Conferences for 2011

- The African Workshop in the Role of Reference Materials in Water Analysis: 12 and 13 December 2011 in Cairo
 - Heavy metal Analysis
 - Anions Analysis
 - Microbiological Analysis
 - Trihalo Methane (THM) Analysis
 - Volatile Organic Carbon (VOC) Analysis

-Registration is open until 30 November 2011.

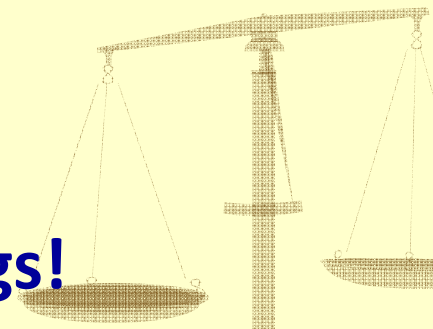
-150 USD covering workshop material, lunch and tea break

Contact: Tahoun_nis@yahoo.com

Randasar_888@yahoo.com

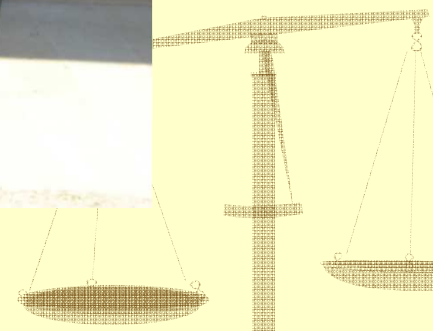
Fax: +202-37401340

Please let us know of other Meetings!





JCRB Meeting Paris 21-22 March 2011



Metrology
Measurements in Chemistry



MEΛΛON MAZ
undzuku bya hina
우리나라 미래
et, unse n Zukunft
我们的未来
e, our future
我们的未来
nāle buduchrost
A KÉMIA AZ ÉLETÜNK
CHEMISTRY - KE BOPHISO LI BOKAMOSO BGA BENA

Chemistry - Vitomi ni vumandzuku bya hina
화학 - 우리의 생명, 우리의 미래
Chimica - la nostra vita e il nostro futuro
Chemie - unser Leben, unsere Zukunft
Hémia - nāle buduchrost
A KÉMIA AZ ÉLETÜNK, A KÉMIA A JÖVŐNK
CHEMISTRY - KE BOPHISO LI BOKAMOSO BGA BENA

**Chemical measurements
for our life, our future**



World Metrology Day
20 May 2011
www.worldmetrologyday.org

