



## **Report from SIM President for the SIM GA 2016**

**Héctor Laiz**  
**Montevideo, Nov 2016**



## **Outline**

**Development of NMIs in the SIM Region**

**Building a Strong SIM Organization**

**Fulfill Regional Metrology Organization Obligations under the CIPM MRA**



## Development of NMIs in the SIM Region

### Strengthening National Metrology Institutes in the Hemisphere, in support of emerging technologies (IADB)

Period: 2016-2019

#### **General Objective**

Development and implementation of new measurement expertise available in member countries to address emerging technology needs (nano, bio, advanced manufacturing)

#### **Activities**

Workshops, on-site trainings, collaborative projects

**Kick-off – Metrology for Innovation Forum – Wednesday**



## Development of NMIs in the SIM Region

**Quality Infrastructure for Renewable Energy Sources and Energy Efficiency in Latin America and the Caribbean (PTB-IAAC-COPANT)**

2012-2015- **new phase 2016-2019**

Friday – Steering Committee

**Develop quality infrastructure service for biodiversity and Climate Change in Latin America and the Caribbean (PTB-IAAC-COPANT)**

2013-2017

Thursday – Steering Committee

**Promote Innovation in Green Economy by including Quality Infrastructure (QI) in Latin America and the Caribbean (PTB-IAAC-COPANT) - **new****

2017-2019

Wednesday – Presentation

**Renewable Energy and Climate Science: Metrology and Technology Challenges in the Americas (NIST-OAS) – **Second Phase****



## **Development of NMIs in the SIM Region**

**Capacity Building in Technical and Scientific Organizations Using Regional Experiences and Knowledge (CABUREK) – PTB.**

3rd phase 2016-2018

**NIST-SIM Engagement Opportunity (2016-2017)**

PC Report today

**NCSLI Technical Exchange Measurement Training 2017**

NCSLi Liaison report tomorrow





## Development of NMIs in the SIM Region

### SIM Projects

It is important to mention here that SIM sub regions (or other groups of SIM countries no exactly SIM sub regions) have other projects (i.e PRACAMS, CARICOM, MERCOSUR) that support metrology development in the regions.



## Development of NMIs in the SIM Region

### SIM Projects

We have a very good framework to support activities going from basic awareness to joint R&D projects and from basic metrology to nanometrology, biotechnology, advanced manufacturing, energy and climate science.

This scope covers all metrology working groups and requires initiative, commitment and a strong coordination



## **Building a Strong SIM Organization**

### **Legal Entity**

We are making a big step in the consolidation of SIM as a mature organization.

We worked hard in the development of the legal documents valid in Uruguay.

Tomorrow we will analyze how we will continue with this process.





## Building a Strong SIM Organization

### Quality Infrastructure Council for the Americas (QICA)

In 2014 we signed an agreement with our partner organizations (IAAC and COPANT) to create the QICA.

we developed a working plan for the QICA. Main activities 2016:

1. WS on Technical Barriers to Trade during COPANT GA. Gabriela De la Guardia and Hector Laiz
2. Joint WS on ISO 17043 to be held beginning 2017.



## Building a Strong SIM Organization

### Increase the participation of SIM members in SIM activities

- During last GA we create ad-hoc WGs to review the strategic plan and the statutes
- To train SIM metrologies in effective engagement in international metrology activities we take advantage of the BIPM CBKT program:
  - Leader for tomorrow (6 SIM MWG chairs)
  - Sound beginning in the CIPM MRA (SIM priorities)



## **Fulfill Regional Metrology Organization Obligations under the CIPM MRA**

### **Review of the CIPM-MRA**

- An MRA Review Workshop was convened, 13 – 14 October 2015
- Workshop attendees included NMI Directors, representatives of RMOs and other relevant stakeholders
- Workshop appointed the Working Group on the Implementation and Operation of the CIPM MRA
- Report prepared and sent to NMI Directors for comment on 2 June 2016
- Final Report 23 August 2016



## **Fulfill Regional Metrology Organization Obligations under the CIPM MRA**

### **Review of the CIPM-MRA**

Four Sub-Groups

Sub-Group on the Management of the KC and CMC processes

Sub-Group on Mechanisms to support States with developing metrology systems

Sub-Group on Governance

Sub-Group on specific issues relating to CMCs for Chemistry and Ionising Radiation



## **Fulfill Regional Metrology Organization Obligations under the CIPM MRA**

### **Review of the CIPM-MRA**

The Working Group has formulated a list of 9 recommendations with 28 sub-recommendations and has proposed the key parties to act on each recommendation.





## **Fulfill Regional Metrology Organization Obligations under the CIPM MRA**

### **Meeting of RMOs Chairs and the CIPM**

In October the CIPM President invited the Chairs of the RMO (including SIM) for a meeting at the BIPM, after the Directors meeting.

The goal is to establish a more direct link between the RMOs and the formal governance of the meter convention.

Agenda of last meeting:

1. MRA review
2. Update of GULFMET and ARAMET
3. Dissemination of the kg in the regions post 2018
4. Guidelines for the CCs



## **Fulfill Regional Metrology Organization Obligations under the CIPM MRA**

### **Review of CMCs and QS**

Reports of the TC and QSTF Chairs



## **New SI**

During the next General Conference on Weight and Measurements (CGPM) in 2018 the modification of the SI will be approved.

We have to developed activities in our region in order to raise awareness on the forthcoming changes and build a traceability strategy.

**Special session Tuesday afternoon**



## Final words

SIM is moving in the right direction, being a mature organization by:

- Establishing a long standing legal status
- Being inclusive with all NMIs in the continent
- Creating formal and mutual beneficial links with partner organizations (OAS, COPANT, IAAC, RMOs, CIPM, NCSLI, etc)
- Being recognized in the international metrology scenario as a serious and rigorous player (i.e., at the JCRB)
- Building strong links among its members, both for capacity building and joint R&D projects
- Fostering projects to support its strategic and technical objectives
- Increasing participation of its members!



**Obrigado  
Merci  
Thank you  
Gracias**