



**EURAMET General Assembly  
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## **News since last EURAMET GA:**

- 1. New Strategic Plan**
- 2. Status of SIM Legal Entity**
- 3. New Projects**



## **Vision**

*A representative, transparent, competent, and worldwide-recognized regional metrology organization.*

## **Mission**

*To promote and support an integrated measurement infrastructure in the Americas which enables each member national measurement institutes to stimulate innovation, competitiveness, trade, consumer safety and sustainable development by effectively participating in the international metrology community.*

## **Values**

*Cooperation, competence, effectiveness, fairness, solidarity, transparency, efficiency and inclusion.*



## **Strategic Objectives**

- I. Development of NMIs in the SIM Region**
- II. Building a Strong SIM Organization**
- III. Fulfill Regional Metrology Organization Obligations under the CIPM MRA**



## Development of NMIs in the SIM Region

### **I.1 Develop Metrology for Innovation**

Development of the metrology needed for emerging technologies

Resources: IADB Project

### **I.2 Develop Metrology for a Sustainable Development**

Development of the metrology needed for Renewable Energies, Energy Efficiency, Climate Science, Biodiversity and Green Economy.

Resources: PTB Project, OAS Projects, NIST Project

### **I.3 Increase the technical capabilities of SIM NMIs**

This will include school, courses, workshops and internships.

Resources: NIST Program, PTB Project CABUREK, BIPM CBKT Program.

### **I.4 Support the implementation of the redefinition of the SI in the region**

Resources: SIM NMIs resources, NIST-NRC Project





# Building a Strong SIM Organization

## **II.1 Implement mutually beneficial ways of interaction with outside organizations**

Interactions with CIPM-BIPM, other RMOs, OIML , NCSLI and the Quality Infrastructure Council of the Americas (QICA)

Resources: IADB Project

## **II.2 Improve means of communication between SIM members**

## **II.3 Establish SIM as a Legal Entity**

## **II.4 Build a financially sustainable institution**

## **II.5 Increase the participation of SIM members in leading position**



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

### **III.1 Ensure effective international representation of SIM**

emphasis on ensuring that the CIPM MRA meets the needs of all SIM NMIs.

### **III.2 Ensure efficient and effective technical review of regional and inter-regional CMCs submitted for publishing in the KCDB**

**III.3 Ensure efficient and effective review of the quality systems of SIM NMIs to ensure compliance with the requirements of the CIPM MRA and serve *other needs* of SIM NMIs**

**II.4 Organize and implement regional key comparisons required to support the calibration programs of SIM NMIs and to provide linkage to BIPM key comparisons**



## **II.3 Establish SIM as a Legal Entity**

The constitution of SIM as an international not-for-profit, non-governmental legal entity with Headquarters in Montevideo, Uruguay was approved at 2016 SIM General Assembly

The legal documents were presented to the Government of Uruguay in November 2016, with the signature of eleven NMIs. Others will join during this year.

### **Benefits:**

- Enable legal representation

- Allow for SIM to submit applications/proposals for funding (currently this is ad hoc and done by individual SIM Members on behalf of SIM)

- Provide mechanism to collect membership fees

- Establish a bank account

- Continuity of SIM management





## **I.1 Develop Metrology for Innovation**

### **First Call for projects in 2017 (Nano, Bio, Advanced Manufacturing)**

#### **Projects approved (must include $\geq 5$ NNIs):**

1. Industrial Dynamic Measurements
2. Detecting and locating circles in images for metrology
3. Large Scale Dimensional Metrology
4. Calibration of Standard reference material for use in calibrating the magnification of scale of optical microscopy and scanning electron microscopy
5. Improvement and updating of interferometric systems for traceable dimensional nanometrology
6. Calibration of microbalances
7. Development of a protein Certified Reference Material (CRM) of Bovine Serum Albumin



## Conclusions:

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
- Being recognized in the international metrology scenario as a serious and rigorous player
- 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**

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