



INTERNATIONAL METROLOGY COOPERATION IN SUPPORT OF ENERGY & ENVIRONMENT

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What Is Metrology



Metrology is:

- The science of weights and measurement embracing both experimental and theoretical determinations at any level of uncertainty in any field of science
- A system of weights and measures

And it includes:

- National (National Metrology Institutes)
- Regional (Regional Metrology Organizations)
- Global (Treaty of the Meter)

Sistema Interamericano de Metrología (SIM)

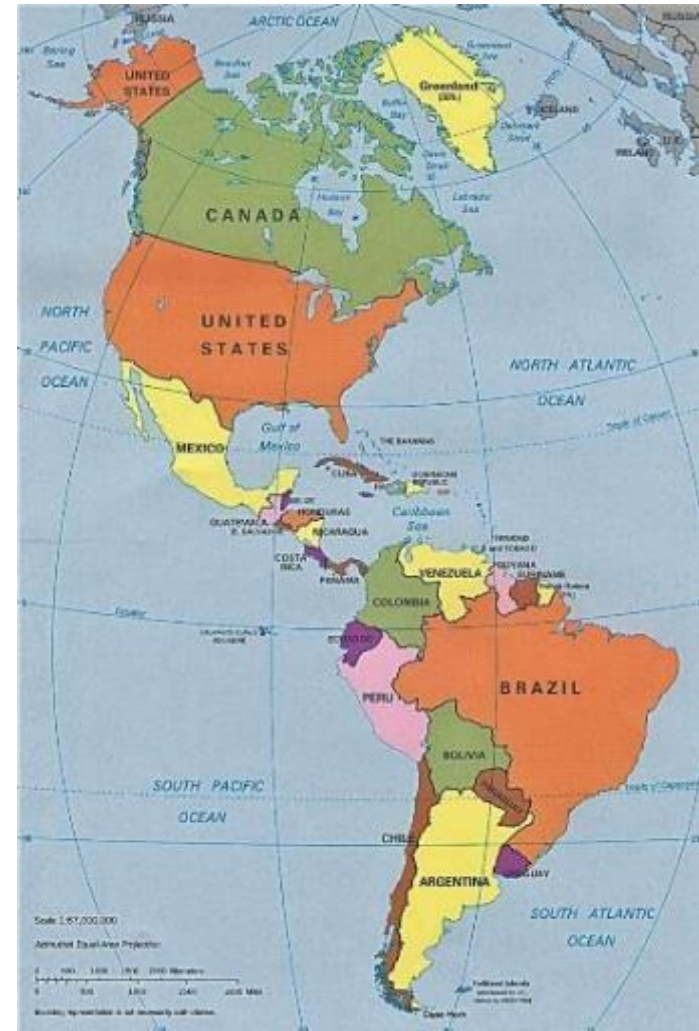
Vision: *A representative, transparent, competent, and worldwide-recognized regional metrology organization.*

Mission: *To promote and support an integrated measurement infrastructure in the Americas which enables each member national measurement institute 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.*

Membership: *National Metrology Institutes (NMIs) in 34 nations in the Americas*

International Role: *Regional Metrology Organization (RMO) for the Western Hemisphere*



Current SIM Projects/Support



Organization of American States (OAS)

- Advancing Metrology for Sustainable Energy Technologies and the Environment in the Western Hemisphere
- Advancing Metrology for Energy Efficient Measurements and Compliance in Central America and the Dominican Republic

Inter-American Development Bank (IADB)

- Strengthening National Metrology Institutes in the Hemisphere, in support of Emerging Technologies
- **National Institute of Standard and Technology (NIST)**
 - Capacity Building and Research Exchanges

German Development Fund/Physikalisch-Technische Bundesanstalt (PTB)

- Quality Infrastructure (QI) for Renewable Energy Sources and Energy Efficiency
- Develop QI Service for Biodiversity and Climate Change
- Promoting Innovation in the Green Economy by including QI

Partners

Argentina - Instituto Nacional de Tecnología Industrial

Antigua and Barbuda Bureau of Standards

Bahamas Ministry of Lands and Local Government

Barbados National Standards Institution

Belize Bureau of Standards

Bolivia - Instituto Boliviano de Metrología

Brazil - Instituto Nacional de Metrologia, Qualidade e Tecnologia

Canada – National Research Council

Chile - Instituto Nacional de Normalización

Colombia - Instituto Nacional de Metrología de Colombia

Costa Rica Laboratorio Costarricense de Metrología

Dominica Bureau of Standards

Dominican Republic Dirección General de Normas y Sistemas de Calidad

Ecuador - Instituto Ecuatoriano de Normalización

El Salvador - Consejo Nacional de Ciencia y Tecnología

Grenada Bureau of Standards

Guatemala Centro Nacional de Metrología

Guyana Bureau of Standards

Haiti - Ministry of Commerce and Industry

Honduras - Centro Hondureño de Metrologia

Jamaica Bureau of Standards

Mexico - Centro Nacional de Metrologia

Nicaragua - Laboratorio Nacional de Metrologia

El Centro Nacional de Metrología de Panamá

Paraguay Instituto Nacional de Tecnología y Normalización

Peru Instituto Nacional de Defensa de la Competencia y de la Protección de la

Propiedad Intelectual

Saint Lucia Bureau of Standards

**St. Kitts and Nevis Bureau of Standards
St. Vincent and the Grenadines; Government of Saint Vincent**

Suriname Metrology Unit

Trinidad and Tobago Bureau of Standards

USA - National Institute of Standards and Technology

Venezuela Servicio Autonomo de Normalización Calidad y Metrologia #

Laboratorio Tecnológico del Uruguay

Inactive





metrology for
SUSTAINABLE ENERGY
TECHNOLOGIES AND THE ENVIRONMENT

INTERNATIONAL METROLOGY COOPERATION IN SUPPORT OF ENERGY & ENVIRONMENT

SEPTEMBER 7, 2017, 2:30 PM

**HOTEL SHERALTON MIRAMAR
ROOM EL PALMAR**

PANEL DISCUSSION WITH
TECHNICAL AND POLICY EXPERTS