



SIM GENERAL
ASSEMBLY
2023

Metrology Activities Report

Asunción, Paraguay

November 10th, 2023

Mr. Nicol Best
Technical Officer - Metrology, CROSQ
Technical Secretary, CARIMET Committee





Agenda

1. CROSQ and CARIMET
2. CARIMET Operational Plan 2023
3. Current Projects and Activities
4. Future and Proposed Plans

SIM GENERAL
ASSEMBLY
2023





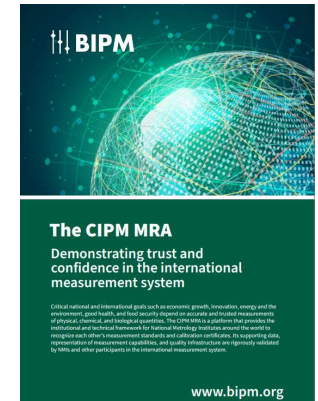
Agenda

1. CROSQ and CARIMET
2. CARIMET Operational Plan 2023
3. Current Projects and Activities
4. Future and Proposed Plans

CROSQ AND CARIMET

About CROSQ and the CARIMET Committee

- In 2002, CROSQ - CARICOM Regional Organisation for Standards and Quality established.
 - ✓ Regional Quality Infrastructure - Standardisation, Metrology, Accreditation and Conformity Assessment, Quality Promotions.
 - ✓ CROSQ provides regional guidance, financial and technical assistance and administrative support.
- In 2005, CARICOM Associate Economy of the CGPM, declaration signed by CROSQ.
- In 2008, CARIMET recognised as a Special Committee of CROSQ.
- In 2022, CROSQ became an affiliate member of SIM.
- At present, CROSQ's CARIMET Committee - 15 member states and the Dominican Republic.





Agenda

1. CROSQ and CARIMET
2. CARIMET Operational Plan 2023
3. Current Projects and Activities
4. Future and Proposed Plans

CARIMET Operational Plan 2023

Overview

Strategic Themes (CARIMET Strategic Plan 2021-2025)

1. CARIMET Governance & Operations
2. Measurement Traceability, Equivalence and Recognition
3. Knowledge Management and Dissemination
4. Promotion of CARIMET
5. Use of Information Technology (Cross-cutting)



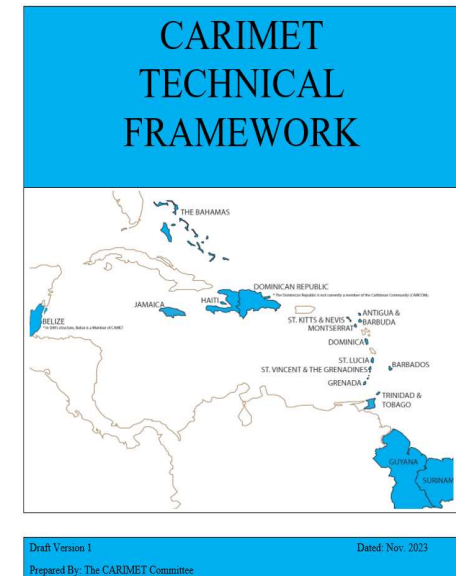
Agenda

1. CROSQ and CARIMET
2. CARIMET Operational Plan 2023
3. Current Projects and Activities
4. Future and Proposed Plans

CARIMET Operational Plan 2023

1. CARIMET Governance & Operations

- **Final process of drafting our Technical Framework document – In Progress**
 - ❖ About CARIMET, Technical Designations, Risks to CARIMET
 - ❖ CIPM MRA, Training and Development, CMC Approval Process
 - ❖ BIPM, SIM, Legal Metrology, Quality Management, Knowledge Management
- **Development of our Communication Plan – In Progress**
 - ❖ General Public - CARIMET branding, Tagline development, CARIMET landing page
 - ❖ NMI Staff and General Public – Intro to CARIMET, CARIMET's Strategy
 - ❖ Internal NMIs – Various Strategic Themes





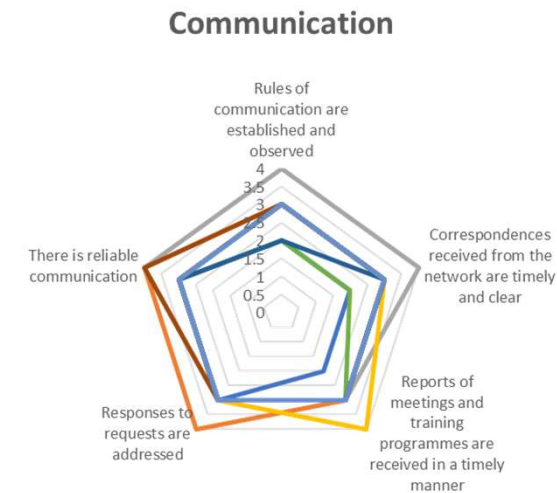
Agenda

1. CROSQ and CARIMET
2. CARIMET Operational Plan 2023
3. Current Projects and Activities
4. Future and Proposed Plans

CARIMET Operational Plan 2023

1. CARIMET Governance & Operations

- **Development of Action Plans by our Quality and Legal Metrology Working Groups.**
 - ❖ Quality Working Group – Sensitization, awareness building, training.
 - ❖ Legal Metrology Working Group – Activities to be determined.
- **CARIMET Regional Network Capacity Survey**
 - ❖ CARIMET’s regional network capacity rating has increased to over 70% from 40% in previous years.
 - ❖ Areas covered
 - Institutionalisation of the Network,
 - Communication,
 - Cooperation,
 - Planning & Monitoring,
 - Problem Solving, and
 - Ownership & Commitment.





Agenda

1. CROSQ and CARIMET
2. CARIMET Operational Plan 2023
3. Current Projects and Activities
4. Future and Proposed Plans

CARIMET Operational Plan 2023

2. Measurement Traceability, Equivalence and Recognition

- **Development of three Caribbean Reference Laboratories (CaRLs) – 11th EDF Supported Activity**

- ❖ Upcoming peer reviews in Humidity (TTBS), Pressure (TTBS). Peer reviewers from within SIM.
- ❖ Purchase of equipment and fittings.
- ❖ Training and mentoring of staff.
- ❖ Technical assistance and support from NRC - Canada, CENAM - Mexico



- **Attendance at BIPM meetings – 11th EDF Supported Activity**

- ❖ CGPM and Director's Meeting (Online and In-person). – 11th EDF supported through project partners PTB.





Agenda

1. CROSQ and CARIMET
2. CARIMET Operational Plan 2023
3. Current Projects and Activities
4. Future and Proposed Plans

CARIMET Operational Plan 2023

2. Measurement Traceability, Equivalence and Recognition

- **Conducting CARIMET ILCs – Mass, Volume and Temperature by 2025**

- ❖ Mass comparison planned - start by end of Nov 2023.
- ❖ Support from CENAM Mexico as the co-pilot lab, BSJ Jamaica is the pilot lab. – 11th EDF Supported Activity.

- **SIM QSTF and MWG meetings**

- ❖ CARIMET's regular attendance at QSTF.
- ❖ SIM MWG attendance (online and in-person)
 - ✓ MWG3 (Online & ITS10),
 - ✓ MWG10 (Online & Workshop in Peru),
 - ✓ MGW14 (Online).





Agenda

1. CROSQ and CARIMET
2. CARIMET Operational Plan 2023
3. Current Projects and Activities
4. Future and Proposed Plans

CARIMET Operational Plan 2023

3. Knowledge Management and Dissemination

• SIM M4DT CABUREK

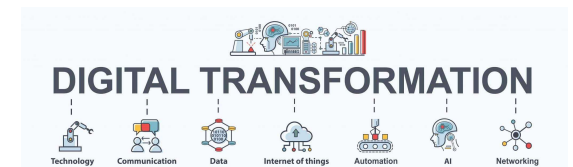
- ❖ Coach for the participating Caribbean NMIs
- ❖ Support and guidance to NMIs to achieve project objectives (BBS, BHN, BNSI, SKNBS, TTBS)

• Contribution and support Metrology and Quality Days

- ❖ Participation in SIM, BIPM, EURAMET sessions.

• M4DT Awareness and Python Training Workshop

- ❖ SIM-IDB Project
- ❖ To be hosted by the Dominica Bureau of Standards in December
- ❖ Support from expert facilitators CENAM Mexico





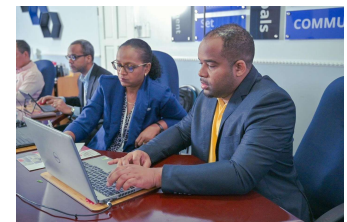
Agenda

1. CROSQ and CARIMET
2. CARIMET Operational Plan 2023
3. Current Projects and Activities
4. Future and Proposed Plans

CARIMET Operational Plan 2023

4. Promotion of CARIMET

- **CARIMET face-to-face meeting (Guyana - June 2023) – 11th EDF Activity**
 - ❖ Opportunity to share knowledge, ideas and experiences in Metrology
 - ❖ OIML Presentation on the OIML D1:2020
 - ❖ Work on developing our Technical Framework
 - ❖ Tour of the GNBS – Industrial and Legal Metrology
- **Participation in the GNBS radio program segment**
 - ❖ What is CARIMET?
 - ❖ Role and importance of CARIMET.
 - ❖ Relevance of Metrology to the regional development in CARICOM.





Agenda

1. CROSQ and CARIMET
2. CARIMET Operational Plan 2023
3. Current Projects and Activities
4. Future and Proposed Plans

Current Projects and Activities

Metrology Development Activities

Preparation for accreditation:

- **Belize - BBS - Fine Mass Laboratory**
 - ✓ Training from CENAM - Mexico
 - ✓ Pre-assessment and accreditation audits
- **Dominican Republic (INDOCAL) Pressure Laboratory**
 - ✓ Technical assistance from within SIM by INACAL - Peru
 - ✓ Training completed, equipment procured.

Some Key Accomplishments and Continued Support:

- ✓ **Continued development of the Caribbean Reference Labs (Humidity, Pressure and Electrical Power).**
- ✓ **Development of Metrology Course (Basic).**
- ✓ **Technical Assistance - Barbados Metrology Bill 2023, Bahamas - Mass and Volume, Saint Kitts - Mass, Dominica - Mass.**
- ✓ **Support to participate in metrology training workshops, regional and international meetings/conferences.**
- ✓ **Support to NMIs for training staff and development of services.**





Agenda

1. CROSO and CARIMET
2. CARIMET Operational Plan 2023
3. Current Projects and Activities
4. Future and Proposed Plans

Future & Proposed Plans

Regional Metrology Development

1. ACP Project:

- Technical Assistance in the development or revision of Metrology legislation.
- Support to calibration labs (linked to cocoa and coconut value chains)

2. Post-Cotonou (CROSO & PTB) – Planning Stages:

- Caribbean Reference Lab for Dimensional Metrology
- Technical Assistance in support of Metrology labs
- Digital Portal for CARIMET
- Metrology School linked to CaRLs – (Industrial and Legal Metrology)





Thank You

Mr. Nicol Best

CARICOM Regional Organisation for Standards & Quality
2nd Floor Baobab Tower
Warrens, St. Michael
BARBADOS

Tel: 246-62-CROSQ (27670)

Fax: 246-622-7678

nicol.best@crosg.org