

2022 - 2032 Final Plan Proposal

SIM Strategic Plan

This plan aligns with SIM vision, mission and values and presents to SIM leaders and members a clear view of our goals and objectives. It is specific and focussed and assigns relevant tasks to appropriate committees to ensure efficiency and progress, and to guarantee SIM viability, sustainability and relevance throughout the upcoming years

Vision

To be an inclusive, innovative, and internationally leading Regional Metrology Organization-RMO

Mission

To support the development of the measurement capabilities and quality infrastructure in America; to foster science and innovation; and to enable Members' international recognition to underpin competitiveness, trade, consumer safety and sustainability

Values

To reflect the scientific, collaborative & systemic vision of SIM, we have adopted 7 values to be followed by our members. And, if we put together the initials of these 7 values, we arise to the phrase TEAM SIM, which also echoes our spirit of joining efforts to

Teamwork, Equity, Aspiration, Motivation (TEAM) & Science, Innovation, Mastering Metrology (SIM)

Strategic Goals & Objectives

GOAL I: To advance SIM Members metrological capabilities

Improve the scientific & technical capabilities of SIM NMIs to enable increased participation in the MRA and/or Treaty of the Metre. This goal focuses on activities such as mentoring, training (internships, summer school, etc), inter-institute exchange of personnel, promoting cooperative research projects among SIM NMIs, providing primary traceability on specific technical services for scientific and legal metrology, and providing assistance in the implementation and maintenance of Quality Management Systems (QMS). The activities identified to achieve this goal are to be funded through resources made available from SIM NMIs, donor agencies, and membership fees so that our NMIs provide full metrological support in each Country or Subregion for the quality of life (health, food, safety and environment), fair trade and industrial competitiveness

OBJECTIVE I.1: To have a 5-year capacity building plan approved &

Resources: SIM, NMIs

Responsible: Sub Regional Coordinators, TC Chair, MWG Chairs, & Council

- o **ACTION I.1.1:** Strengthen the role of the Subregional coordinators to assess the needs of capacity building within their regions
 - a) The sub regional coordinators should collect this information from their NMI Directors & report findings to Council
- o **ACTION I.1.2:** The MWG chairs shall elaborate a plan with the capacity building needs of the members of their MWG
 - a) The TC Chair should coordinate this activity, collect the information from chairs & report findings to Council
- o **ACTION I.1.3:** Council shall evaluate the plans & provide funds, based on priorities
 - a) The council should analyze the proposed plans, make a consolidated plan, prioritize the plans & provide funding accordingly
 - b) The council should publish the approved plan at SIM web page
- o **ACTION I.1.4:** Execute the capacity building plan
 - a) The participating SIM members will execute the plan
 - b) The TC Chair will monitor execution & report results to council (TC should get a quarterly report from sub regional coordinators)
- o **ACTION I.1.5:** The plan outcomes shall be evaluated every two (2) years
 - a) The Sub regional coordinators will report the progress of plan outcomes periodically (every 6 months)
 - b) The SIM Council will evaluate the accountability of plan outcomes on a yearly basis

<p>OBJECTIVE I.2: To identify the upper & lower key technical areas among SIM NMIs to help prepare the 5y plan & level up knowledge within subregions</p> <p>Resources: NIST Programs, PTB Health Projects, BIPM–TÜBİTAK UME project, NCSLI programs</p> <p>Responsible: SIM Council, TC Chair, PDC</p>	<ul style="list-style-type: none"> o ACTION I.2.1: SIM Council will circulate a survey to identify the actual capabilities, ranges, & new services being implemented in each NMI a) Develop and implement a 2-3 year specific training program, based on each NMI individual technical capacity (TC & Council) b) This could include training courses, summer schools, workshops and internships o ACTION I.2.2: Council & PC will seek for potential resources to create R&D projects to generate keen scientific & technical knowledge among the most developed SIM NMI's o ACTION I.2.3: Council & TC will develop a 3-year plan to increase the technical capabilities on strategic basic quantities or services for those NMI that are key for the region/subregions & are able to provide further knowledge transfer o ACTION I.2.4: Council will monitor the developed R&D projects & plans to guarantee that regional investment is being used to create new technical capacities & level up those that are important for the intra & inter regional competitiveness
<p>OBJECTIVE I.3 To support the implementation of an organized M4DT plan for the the next 5 years (Based on OBJECTIVE I.1)</p> <p>Resources: NIST Program, EURAMET-PTB M4DT Projects, BIPM Programs.</p> <p>Responsible: PC, TC Chair, MWG # 14 Chair.</p>	<ul style="list-style-type: none"> o ACTION I.3.1: TC & MWG14 Chairs will coordinate the proper organization of the new MWG for Digital Transformation (MWG # 14). This includes the needed subgroups, members & tasks o ACTION I.3.2: The PC, TC Chair & MWG Chair will forecast the DT needs & prepare the necessary awareness sessions & training projects to consolidate the initial steps for the M4DT process within the SIM region in the next 2 years. o ACTION I.3.3: The PC, TC Chair & MWG Chair will develop and implement a 3-year plan to support an organized M4DT implementation process once at least 2 NMI of each subregion have adopted these new technologies.
<p>GOAL II: To enhance SIM international standing as an RMO and as a pillar of the regional QI</p>	<p>Establish SIM as a worldwide leader in metrology and ensure that SIM NMIs are well represented at the international fora. This goal also focuses on improving the actual operation of the QI organizations of America. This includes SIM member's compromise on QICA activities to strengthening QICA internal structure & recognition within America.</p>
<p>OBJECTIVE II.1: To Promote SIM Member's participation & leadership within the SIM framework & the international arena (including the CIPM-MRA)</p> <p>Resources: SIM NMIs Budgets, SIM Budget, IDB / PTB Projects, BIPM /OIML Cooperations</p> <p>Responsible: SIM Council, SIM President, TC/MWG Chairs</p>	<ul style="list-style-type: none"> o ACTION II.1.1: The SIM Council will support attendance to CIPM-MRA activities, Consultative Committee (CC) & Consultative Committee Working Group (CCWG) o ACTION II.1.2: The SIM Council will create oportunities for involving diverse members in SIM related activities a) Promote SIM representation at other international Organizations (RMOs, BIPM, OIML, etc) o ACTION II.1.3: Promote participation & piloting of Key Comparissons o ACTION II.1.4: Help to Increase the profile of SIM peer evaluators

<p>OBJECTIVE II.2: To raise awareness on the importance of SIM as the America's RMO & one of the 3 Quality Infrastructure Council of America's (QICA) pillars</p> <p>Resources: SIM NMIs Budgets, IDB Project, PTB Project, OAS Projects Responsible: SIM Council, SIM President</p>	<p>o ACTION II.2.1: Participate & represent SIM at QICA & other QI organizations</p> <p>o Action II.2.2: SIM will foster QICA's role as the champion on regional & national QI & National Metrology Systems within the SIM countries</p> <p>o Action II.2.3: SIM will Support NMI's in their efforts to raise QICA awareness within their Subregional & local Governments organizations</p>
<p>OBJECTIVE II.3: To enhance SIM Sustainability & growth</p> <p>Resources: SIM NMIs Budgets, IDB Responsible: SIM Council, SIM President</p>	<p>o ACTION II.3.1: Strengthen Financial stability by seeking International funding</p> <p>o ACTION II.3.2: Develop SIM management plan for Human Resources</p> <p>o ACTION II.3.3: Support NMIs without QMS to implement a QMS & continue to improve the efficiency and effectiveness of the SIM Quality System reviews, through the QSTF</p> <p>o ACTION II.3.4: Identify the benefits of SIM relationships with strategic Partners & develop a plan to improve these relationship</p> <p>o ACTION II.3.5: Improve visibility and communication of SIM activities via Social networks & virtual platforms, raising awareness of the importance of SIM as an RMO & QI pillar (Could also be under OBJECTIVE II.2 above)</p>
<p>GOAL III: To address the measurement challenges of the future</p>	<p>Identify the scientific & technical measurement needs that NMIs might face in the near by future. This goal focuses on conducting & participating in workshops & meetngs among key members or related organizations to foresee SIM member's capabilities & coordinate the need for activities to fulfill these future challenges. The needs identified through this goal are to be approved by the council & included in the SIM capacity plan.</p>
<p>OBJECTIVE III.1: Identify in a continuous way the challenges of the</p> <p>Resources: SIM, NMIs Responsible: Secretariat, TC Chair</p>	<p>o ACTION III.1.1: Implement in the SIM's webpage a place where SIM members could inform any identified challenge</p> <p>o ACTION III.1.2: Circulate questionnaires periodically (each 6 months or 1 year) for SIM members to identify measurements challenges</p> <p>o ACTION III.1.3: To determine the needs of each challenge</p>
<p>OBJECTIVE III.2: To prepare a development plan for each identified need</p> <p>Resources: SIM, NMIs, IDB Projects, PTB Projects, OAS Projects Responsible: TC Chair, PC</p>	<p>o ACTION III.2.1: Evaluate the viability to attend the challenges and their needs</p> <p>o ACTION III.2.2: Organize workshops to discuss and plan the challenges execution</p> <p>o ACTION III.2.3: Identify sources of funding for SIM challenges & Include in the Capacity Building Plan</p> <p>o ACTION III.2.4: Prepare and issue periodically (every year or every other year) a report with the work done within this goal</p>
<p>Drafted May 2022, (SIM WEEK, ARG). Revised and Approved November 06, 2022 (GA, St. LUCIA)</p>	