

Report to the General Assembly

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Project Coordinators

Nov 03, 2022

WEB PAGE: <https://sim-metrologia.org/projects/>



IM
**SISTEMA
INTERAMERICANO
DE METROLOGÍA**

SIM Project Sponsors / Patrocinadores de los proyectos del SIM

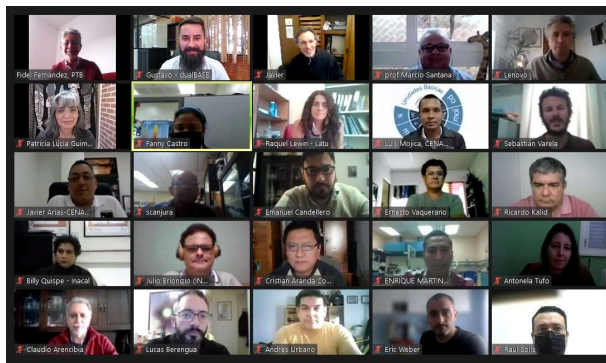




SIM Internal Webinars & Trainings



- Chemical areas
- Legal Metrology
- M4DT – DCC



01 y 02 de
Diciembre
2022

Evento gratuito en línea



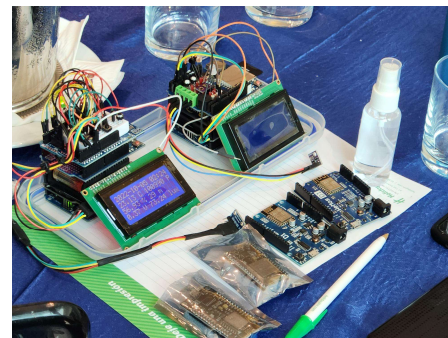
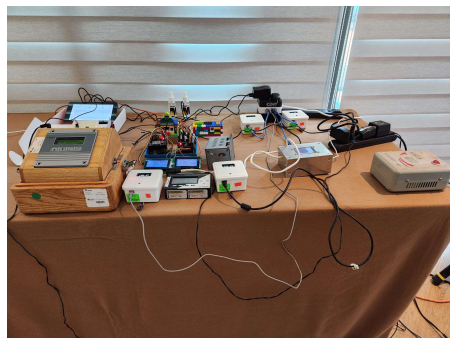
myd@cenam.mx

<http://www.cenam.mx/cib/>



“M4DT to support the Health Services in LAC & to address measurement challenges associated with Pandemics”

- Thermo Histro Barometer (THB) Project (10 participating countries in 4 regional projects) (Pma, Oct 07-11)
- CABUREK on M4DT (NOV 20 – 25 at Lima, Perú)





¡De acuerdo!
La ciencia a tu medida

SIM Magazine



- 10 continuous years
- 09 Metrology related topics
- 12 – 15 articles in each magazine
- 9th edition with 14 articles
- 10th edition already on the way (¿?)
- 11 SIM countries publishing the magazine



HEALTH

Esta edición de la revista ¡De acuerdo! ha sido realizada gracias a la participación y colaboración de los siguientes Institutos Nacionales de Metrología:



Esta edición de la revista ¡De acuerdo! ha sido realizada gracias al apoyo financiero de:



Edita y distribuye: SIM – Sistema Interamericano de Metrología



www.sim-metrologia.org



SI Change



Transportation



Music



Futbol



Energy



Water



Food



Sustainability



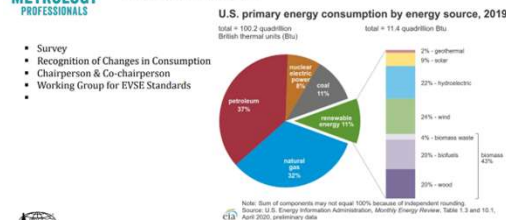
3rd edition of the SIM Early Carrier Metrologists Contest

- 18 SIM participants (Winners, Delegates & Committee)
- 10/13 ECM Winners (2020-2021-2022)
- 2 days of Technical Presentations
- 10 Project presentations in English
- Trade Show with Main Manufacturers
- BoD Meeting
- 2 days of Tutorials sessions
- Open Committee meetings
- Key Note Speaker Presentation
- Networking



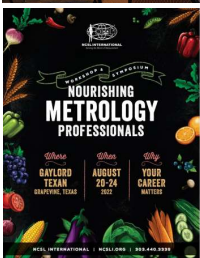
**NOURISHING
METROLOGY
PROFESSIONALS**

Old Business



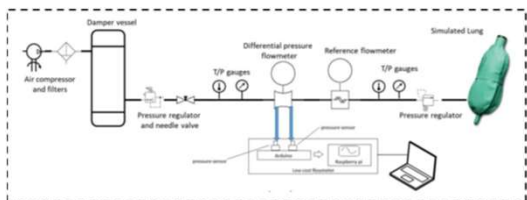
AUGUST 20-24, 2022 | GRAPEVINE, TEXAS | NCSLI.ORG

10/12/2022 4



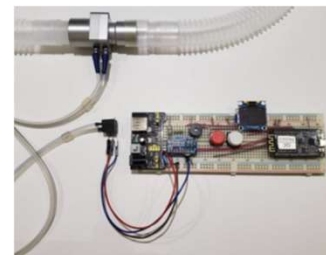
PTB Support

- **MWG14: M4DT support on DCC** (Pma, Oct 08)
 - Promote a DCC Regional schema similar to EURAMET
- **DEVELOPMENT OF BASIC METROLOGY INFRASTRUCTURE TO SUPPORT PANDEMIC**
 - 13 Participating NMIs & about 30 participants led by Mr. Hernán Brenta (INTI).
 - Period: NOV 2020 up to NOV 2022 (EU 100 000,00)
 - Activities:
 1. Design and develop a Low-cost Flowmeter for mechanical ventilators (INMETRO, BRA)
 2. Design and build a Lung Simulator for testing of mechanical ventilators (CENAM, MEX)
 3. Improve and strengthen the micro-volume calibration processes (LNM-INEN, ECU) (**set of micropipettes**)
 4. Virtual workshops on micro volume & low-pressure gas flow measurements (**4 w/s, with 70 participants**)
 5. Low pressure gas flow and low volume comparisons between pre-equipped NMIs (**not finalized**)
 6. On Site & Virtual Closing Training and Awareness event (**NOV 08-11, 2022**)



Lunge Simulator
CENAM, Mexico

Low-Cost
Flowmeter
INMETRO, Brazil





QI4CE PROJECT



Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin

- PTB-OAS-QICA (COPANT-IAAC-SIM) - \$2 MILLION Project (2021 up to 2023) - 4 Main Activities

a) QI4CE CABUREK PROCESS

- Integration of all 3 QI areas (Accreditation, Metrology Standardization)
- 27 QI collaborative Group projects from 24 countries on Plastic, Construction Material & Agro-Foods
- 100 participants among QICA beneficiaries & 20 international coaches on QI & CE
- 3 regional workshops (2 virtual in OCT 2021 and MAR 2022, 1 face to face in OCT 2022 in Ecuador)
- Project at 50 % with 24 Posters / projects of 20 countries & a QI4CE Guide already published.

b) CALIDENA

- 3 CALIDENA processes on ECU & JAM (Agro-food), SAL (Plastics)

c) QI4CE FUNDS (\$50k)

- Pilot project on “Traceable methods for biomethane analysis: basic components and their circular economy” (CENAM & INMETRO)

d) QI4CE CABUREK PROCESS

- 2 Facilitators for the IDB Project



Thanks for your attention!!!

Gracias por su atención !!!

Obrigado pela atenção !!!

Merci pour votre attention!!

Javier Arias (CENAMEP AIP)
Magdalena Navarro (NIST)

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ANY
QUESTION?

<https://sim-metrologia.org/about-us/>





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NORAMET
CAMET
ANDIMET
SURAMET
CARIMET

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