General Assembly
Virtual meeting
11-12th November
2021

SIM WEEK 2021 Project Coordinators Report

Javier Arias (CENAMEP AIP) Magdalena Navarro (NIST)

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

SIM Project Sponsors / Patrocinadores de los proyectos del SIM





- Webinars (FEB)
- "Photometer Calibration Application for Air Quality Monitoring"
- "Aplicación de Calibración de Fotómetros en Redes de Monitoreo de Calidad del Aire".
- Support surveys & joined seminars with ECPA & COMCYT (ref. energy, health, food)











- NCSL Metrology in Motion
- NCSL Committee Meetins
- NCSL International Conference
- SIM Early Carrier Metrologists Contest
 - ✓ Pedro Olivera INMETRO
 - ✓ Claudia Rodriguez INM
 - ✓ Alexis García CENAM







SIM - NCSLI Winning Papers & their authors

Region	NMI/DI	Country	Authors	Paper title	Metrology Area
NORAMET	CENAM	México	Alexis A. García González (co-authors: Dr. Héctor A. Castillo Matadamas)	Industrial Solar Simulator Calibrator based on special solar module	PR
SURAMET	INMETRO	Brazil	Pedro O. C. Machado Neto (co-authors: Paulo C.R. Brandão, Juan C.M. Sánchez, Lúnia C.A. Lima, Carlos E.C. Galhardo)	Uncertainty Evaluation of the Electrical Transient Rise Time	EM
ANDIMET	INM	Colombia	Claudia Fernanda Rodríguez (co-authors: Alexander Gutiérrez Guevara, Daniel Eduardo Sotelo, Liz Catherine Hernández)	First measurement service applied to event dating for reliable business transactions: metrology for digital transformation using Colombian legal time	TF





NIST GRANT

"Strengthening National Metrology Institutes in the Americas and their regional cooperation through SIM, and promote QI in cooperation with partner organizations". (\$200k)

- NIST Office of Weights and Measures (OWM) free trainings.
 www.nist.gov/pml/weights-and-measures/about-owm/calendar-events
- NIST Food Nutrition and Safety Quality Assurance Program (FNSQAP)
 Call for participation by June 2021. (QAPHUB@nist.gov or https://qa.nist.gov)
- NIST "UV Metrology Seminar: "Evaluation of UVC Technologies for UV Radiation Disinfection"







"M4DT to support the Health Services in LAC & to address measurement challenges associated with Pandemics".
 Three (3) main components (\$825k & 23 participating countries):



- a) IDB-SIM RESEARCH ENGAGEMENT OPPORTUNITY
 - M4DT Cooperation Projects Contest





Physikalisch-Technische Bundesanstalt Braunschweig und Berlin

QI4CE - Working Groups for CABUREK





Design of Low Cost Portable Flowmeter INMETRO. Brazil



Lunge Simulator CENAM, Mexico

Climate & Biodiversity Project

Regular Meetings, projects & seminars related to Metrology for Meteorology.

QI4CE (New phase from old QI4GE) Project

- CABUREK PTB-OAS-SIM-QICA-COAPNT-IAAC
- 2021 up to 2023 Project
- 28 QI collaborative Group projects on Plastic, Construction Material & Agro-Foods.







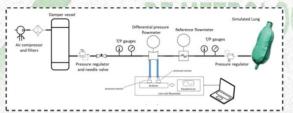






DEVELOPMENT OF BASIC METROLOGY INFRASTRUCTURE TO SUPPORT PANDEMIC

- 13 Participating NMIs led by Mr. Hernán Brenta (INTI) from MWG 7: Flow & Volume.
- Period: NOV 2020 up to FEB 2022 & EU 100 000,00
- Activities:
 - 1. Design and development of a Low-cost Flowmeter for mechanical ventilators (INMETRO, BRA)
 - 2. Design and build a Lung Simulator as a basic infrastructure for the testing of mechanical ventilators (CENAM, MEX)
 - 3. Improve and strengthen the micro-volume calibration processes (LNM-INEN, ECU))
 - 4. Virtual workshop: Technical & knowledge exchange in micro volume & low-pressure gas flow measurements
 - 5. Low pressure gas flow and low volume comparisons between pre-equipped NMIs
 - 6. Presential Training and Awareness event (TBC)











- Communication of BIPM Webinars & Workshops
 - https://e-learning.bipm.org/
 - BIPM-TÜBİTAK UME project: https://www.bipm.org/en/committees/cb/cbkt/wg/cbkt-project-tubitak
- Survey on Industry 4.0 & New M4DT WG

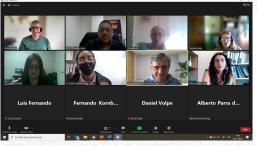


WMD (Regional & In-Country) Events





"De Acuerdo" Magazine



















Thanks for your attention!!!

Gracias por su atención !!!

Obrigado pela atenção !!!

Merci pour votre attention!!

NORAMET
CAMET
ANDIMET
SURAMET
CARIMET

INTERAMERICA)
DE METROLOGIA

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