



## EVENT

# KCDB 2.0 at the service of the SIM region in Mass and Related Magnitudes

### Scope

The *Key Comparison Data Base* (KCDB) supports the Mutual Recognition Arrangement of the International Committee for Weights and Measures (CIPM MRA), implemented in 1999. This database contains information regarding Measurement and Calibration Capabilities (CMCs) and the results of comparisons (key, supplementary and bilateral) in physical, chemical, and biological quantities. In 2019, the International Bureau of Weights and Measures (BIPM) launched a new KCDB platform with substantial differences from the previous platform, the KCDB 2.0. This event aims to provide tools to the Working Group on Mass and Related Magnitudes of the Inter-American Metrology System (SIM) on how to properly interact with the KCDB 2.0 platform.

### Date and time of the event

From 2021-03-22 to 2021-03-26 (maximum 3 hours per day) Starting at 15:00 UTC / Buenos Aires, Montevideo, and Santiago de Chile 12h00 (UTC-3) / Lima and Bogotá 10h00 (UTC- 5)/ Mexico City 09h00 (UTC-6)

### Registrations

Virtual event through the Zoom platform. Link for registration:

<https://forms.gle/DnTuWuGJUgrmYc8Q8>

### Agenda

Day 1: 2021-03-22

- 15:00 to 15:10  
Opening of the event: Claudia Santo, SIM Executive Secretary\*
- 15:10 to 16:50  
Presentation: Navigation on the website of the KCDB \*  
Speakers:  
Fernando García – Centros de Estudios de Medición y Certificación de Calidad CESMEC (Chile)  
Christian Villarroel – Instituto de Investigaciones y Control IDIC (Chile).
- 17:00 a 18:00  
Examples \*

Day 2: 2021-03-23

- 15:00 to 16:30  
Presentation: KCDB user creation – Examples \*  
Speaker:  
Aldo Quiroga – Instituto Nacional de Calidad INACAL (Perú)
- 16:30 to 18:00  
Presentation: Registration of CMCs through KCDB webpage – Examples \*



Speaker:

Sheila Preste – Laboratorio Tecnológico del Uruguay LATU (Uruguay)

Day 3: 2021-03-24

- 15:00 to 16:30

Presentation: Registration of Key and Supplementary Comparisons through KCDB \*

Speaker:

Jhon Escobar Soto – Instituto Nacional de Metrología INM(CO) (Colombia)

- 16:50 to 18:00

Examples \*

Day 4: 2021-03-25

- 15:00 to 16:30

Presentation: CMCs, Key and Supplementary Comparisons in mass, pressure and vacuum quantities. \*\*

Speakers:

Luis Manuel Peña – Centro Nacional de Metrología CENAM (México). Chair of Sub WG of Mass.

Jorge Torres – Centro Nacional de Metrología CENAM (México). Chair of Sub WG of pressure and vacuum.

- 16:50 to 18:00

Agreements \*\*

Day 5: 2021-03-26

- 15:00 to 15:30

Presentation: New definition of the kilogram and actual state of mass unit traceability.

Speaker: Dra. Hao Fang, Executive Secretary of the Consultative Committee of Mass CCM – BIPM \*.

- 15:30 to 15:50

Closure of the Event - Salvador Echeverría Villagómez, Technical Committee Chair del SIM \*

- 15:50 to 17:20

Presentation: CMCs, Key and Supplementary comparisons in force, density and quantities. \*\*

Speakers:

Alejandro Savarín – Instituto Nacional de Tecnología Industrial INTI (Argentina). Chair of the Sub WG of Force.

Luis Omar Becerra - Centro Nacional de Metrología CENAM (México). Chair of the Sub WG of Density

- 17:20 to 18:00

Agreements \*\*

**\*Open event**

**\*\*Closed event (only for WG 7 members)**