

General Assembly
Remote meeting
11-12th November 2021

SIM's PDC Report

Activities in 2020 and 2021

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SISTEMA
INTERAMERICANA
DE METROLOGIA

Activities to be reported

- KCDB 2.0 on-line training
- COOMET paper competition 2021
- NCSL International Technical Exchange (2020, 2021, and 2022)
- NCSL-I & SIM – Early career metrologist paper competition
- MSc and PhD on Metrology (opportunities)



KCDB 2.0 on-line training 2021

- BIPM Capacity Building and Knowledge Transfer Programme (CBKT)

- The BIPM CBKT Programme aims to increase the effectiveness with which Member States and Associates engage in the world-wide coordinated metrological system

- E-learning platform:

- <https://www.bipm.org/en/committees/cb/cbkt>

- Coordinator: **Mr Chingis Kuanbayev**

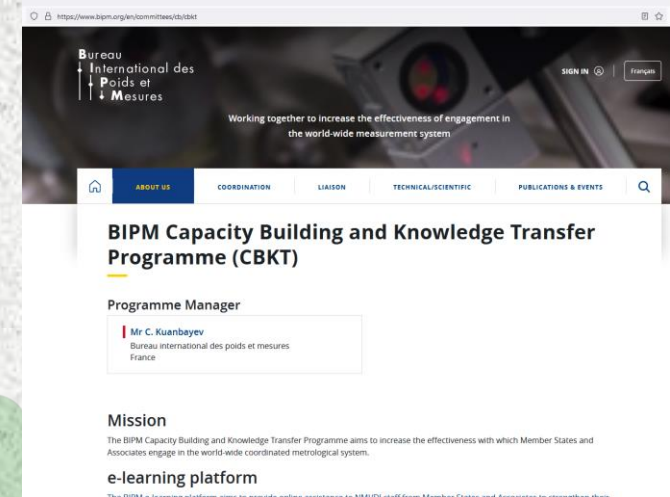
- Initiatives

- KCDB 2.0 – CMC writers

- Chemistry and Biology; Ionizing radiation; General physics

- Comparisons

- KCDB for TC-Chairs



Initiatives



CBKT-BIPM-KCDB-2.0-CMC-WRITERS-CB
ONLINE TECHNICAL EXCHANGE: KCDB 2.0 - CMC WRITERS IN CHEMISTRY AND BIOLOGY



CBKT-BIPM-KCDB-2.0-CMC-WRITERS-IR
ONLINE TECHNICAL EXCHANGE: KCDB 2.0 - CMC WRITERS IN IONIZING RADIATION



CBKT-BIPM-KCDB-2.0-TC-CHAIRS-GP
ONLINE TECHNICAL EXCHANGE: KCDB 2.0 - TC CHAIRS IN GENERAL PHYSICS



CBKT-CA-BIPM
CBKT PROJECT: METROLOGY FOR CLEAN AIR



CBKT-MM-BIPM
CBKT PROJECT: METROLOGY FOR SAFE FOOD AND FEED - MYCOTOXINS



CBKT-PV-BIPM
CBKT PROJECT: METROLOGY FOR SAFE FOOD AND FEED - PESTICIDES AND VETERINARY DRUG RESIDUES



CBKT-BIPM-KCDB-2.0-CMC-WRITERS-GP
ONLINE TECHNICAL EXCHANGE: KCDB 2.0 - CMC WRITERS IN GENERAL PHYSICS



CBKT-BIPM-KCDB-2.0-TC-CHAIRS-CB
ONLINE TECHNICAL EXCHANGE: KCDB 2.0 - TC CHAIRS IN CHEMISTRY AND BIOLOGY



CBKT-BIPM-KCDB-2.0-TC-CHAIRS-IR
ONLINE TECHNICAL EXCHANGE: KCDB 2.0 - TC CHAIRS IN IONIZING RADIATION



CBKT-KCDB2-GULFMET
2021 - GULFMET: THE KCDB 2.0 (CMCS)



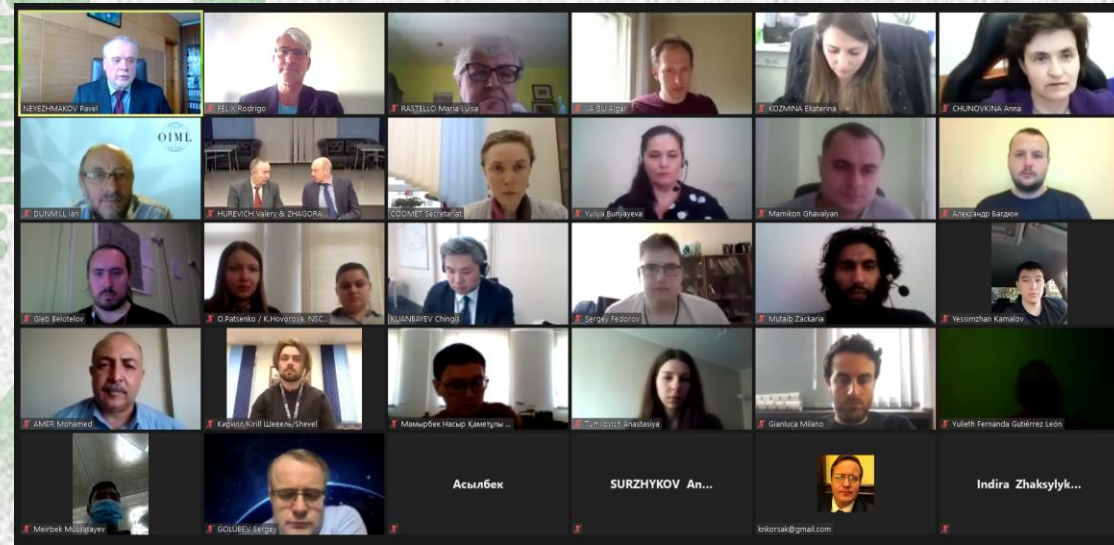
CBKT-PROJECT-TUBITAK
TUBITAK UME PROJECT PLACEMENTS



CBKT-SF-BIPM
CBKT PROGRAMME: METROLOGY FOR SAFE FOOD AND FEED

COOMET paper competition 2021

- IX International Competition "The Best Young Metrologist of COOMET" – 21-22 April 2021
- 18 participants from COOMET (Belarus, Kazakhstan, Germany, Russia, Ukraine), EURAMET (Italy) and SIM (Colombia, Mexico)
- 12 members on the scientific committee (COOMET, BIPM, BIML, AFRIMETS, EURAMET and SIM)
- **Winners**
 - **1st Scientific and Fundamental Metrology**
 - Gianluca Milano (INRIM, Italy)
 - **1st Applied Metrology**
 - Mutaib Zackaria (PTB, Germany)
 - **2nd General Metrology**
 - Belotelov Gleb (VNIIFTRI, Russia)
 - **3rd General Metrology**
 - Tukhvatullin Rustam (VNIIR, Russia)



NCSL-I and SIM activities

- There was no travelling support for NCSL-I Technical Exchange 2021
- NCSL-I Technical Exchange 2022
 - February 21-23, 2022
 - Houston, Texas
 - DoubleTree by Hilton Airport Hotel & Conference Center
 - Possibility of SIM students
 - Possibility of SIM teachers
 - **Open call to be issued soon**
- Cross participation on DT issues
 - NCSLI members may want to participate in MWG 14 and SIM Members may want to participate in relevant NCSLI Committees
- Early Career Metrologist Program
 - Open call to be issued in 2022
 - Maybe some improvements on the Terms of Reference for the next call



NCSL-I & SIM

Early career metrologist paper competition

- The competition is aimed at:
 - encouraging early career professionals in the field of metrology to introduce their scientific work to the metrology community at-large
 - introducing one's technical work to colleagues of other NMIs within the SIM Region
 - publishing the papers in the NCSLI Conference proceedings and Measure Journal
 - supporting and encouraging early career metrologists who contribute to the development of their NMI
- AWARDS:
 - First place paper winners will participate at the NCSL-I Symposium 2022
 - Date and venue to be defined
 - Expenses would be covered through a NIST grant to NCSL-I

NCSL-I & SIM

Early career metrologist paper competition

- The evaluation team:

- Claudia Santos
- Lisa Karam
- Javier Arias
- Rodrigo Costa-Felix

- MANY THANKS FOR YOUR EFFORT



NCSL-I & SIM

Early career metrologist paper competition

- DEFINITION:
 - Early Career Metrologist for the competition are metrologists who have been hired by a SIM NMI/DI member not earlier than 2016
- Applications
 - 5 papers from 4 countries
 - Brasil (1); Colombia (2); Mexico (1); Trinidad Tobago (1; abstract only)
- **Winners**
 - **1st SURAMET**
 - Pedro Olivera (INMETRO, Brasil)
 - **1st ANDIMET**
 - Claudia Rodriguez (INM, Colombia)
 - **1st NORAMET**
 - Alexis García (CENAM, Mexico)

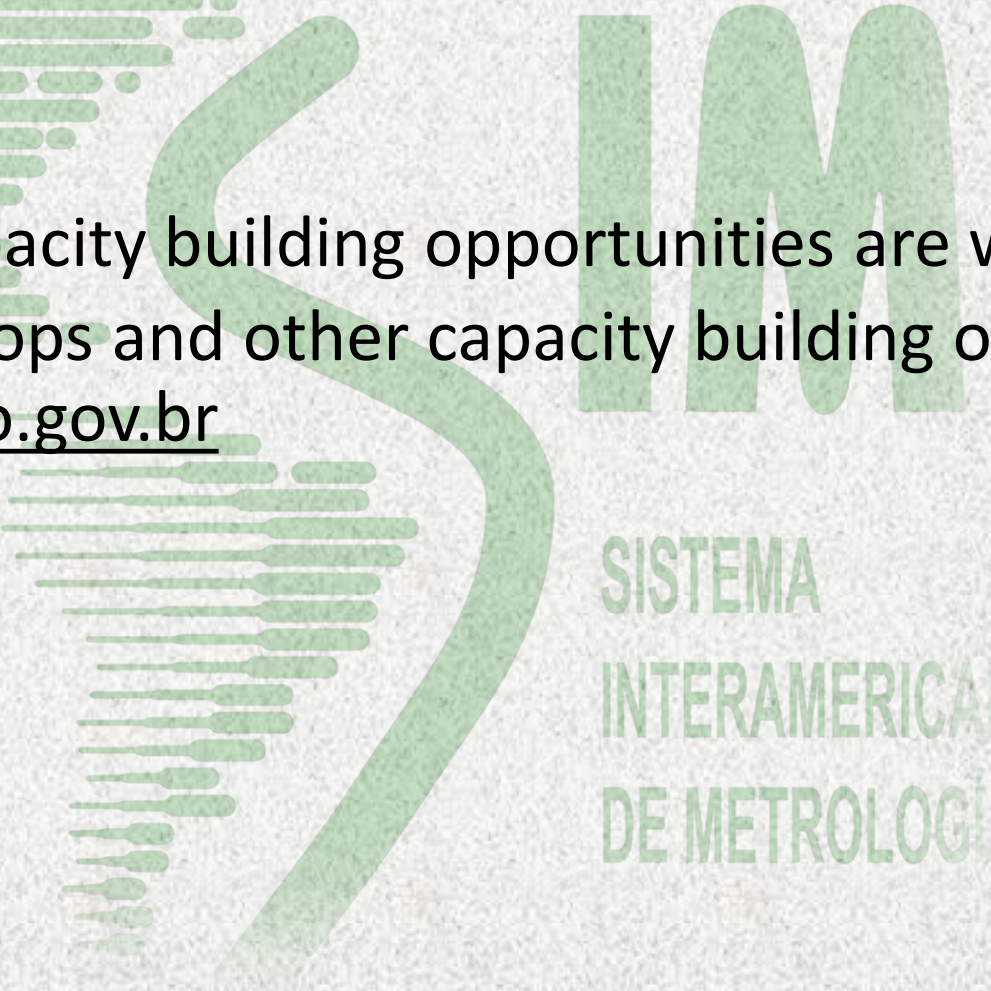
Master degree and PhD on Metrology at Inmetro

- **NEW COURSES – started in 2019**
- Master and Doctor degrees
 - *Stricto sensu*
- Selection: until Jan 14th 2022
 - http://www.inmetro.gov.br/ensino_e_pesquisa/ppgm/
- Up to 30 students (20 MSc + 10 DSc) will be selected
- The applications and selection are totally on-line
- Possibility of scholarship
- **Classes in Portuguese (special classes for foreign in English)**

New opportunities to come ...

- **Please, let me know**

- All kind of training and capacity building opportunities are welcome
- Trainings, courses, workshops and other capacity building offers may be sent to rpfelix@inmetro.gov.br



Thanks for your attention!!!

Gracias por su atención !!!

Obrigado pela atenção !!!

Merci pour votre attention!!

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