



Virtual Stakeholder Workshop of the CCQM-TG-FOOD

Evolving needs in metrology Metrology for food and food safety

10-13 February 2025

Workshop aim

The goal of the CCQM Task Group on Food Measurement (CCQM-TG-FOOD) is to develop descriptions of the evolving needs for metrology in the areas of food and food safety and covering all types of chemical, biological and physical measurement, and thereby update the strategic plans of technical committees (Consultative Committees) operating within the BIPM system. The Committees focus on organizing programmes and interlaboratory comparison to support National Metrology Institutes (NMIs) and Designated Institutes in providing equivalent measurement and calibration services in support of food safety and food applications.

The CCQM-TG-FOOD is holding a forward-looking workshop to gain an understanding of the future metrological needs and challenges for stakeholders in food production industries and regulatory agencies. Especially, it is aimed to:

- to identify new measurement challenges and the benefits that metrology and NMI services could bring to these;
- identify unmet stakeholder engagement opportunities which could aid in defining and meeting metrology needs to support the food sector;
- expand the discussion on requirements to a broad range of chemical, biological and physical measurements within the areas covered by the Technical Committees with the BIPM system.

Agenda

The workshop will be four days (**10-13 February 2025**), two hours per day (**1 pm - 3 pm, UTC+1**), with one hour for talks (3x 20 minutes) and one hour for panel discussion.

10 February 2025 - Challenges in Assuring Authenticity?

IRMS	Luana Bontempo, Fondazione Edmund Mach (Italy)
NMR authentication of honey	Ian Burton, NRC (Canada)
DNA and Next Gen Sequencing	Sara Handy, FDA (United States of America)
Panel discussion	

11 February 2025 - What are we looking for in novel foods?

Novel proteins in foods - functional ingredients and meat alternatives	Clare Mills, GiantLeaps, University of Surrey (United Kingdom)
Novel Plant Proteins	Walter Nelson, Keygene (United States of America)
Measuring Mayhem: When Allergen Quantification goes nuts	Bert Popping, FOCOS (Germany)
Panel discussion	

12 February 2025 - What else is in our food?

Pathogens	Janaina Cavalcante, INMETRO (Brazil)
Emerging Toxins and residues	TBC
PFAS in food and food contact materials	Alexandra Jaus / Marina Zbinden, ScreenFood4Safety, METAS (Switzerland)
Panel discussion	

13 February 2025 - Food Measurement Challenges within other CCs?

Dose measurements and standards relevant for food irradiation	Christina Ankjaergaard / Arne Miller, Technical University of Denmark, DTU (Denmark)
Infrared sensing platform for analysis of proteins in feeds and foods	Achim Kohler, Photonfood, Norwegian University of Life Sciences (Norway)
Developing traceable density and pressure measurement methods for emerging requirements in the food industry	Stuart Davidson, NPL (United Kingdom)
Panel discussion	

Registration

Please, click on the link to register for participation in the workshop:

Registration

(<https://bipm-org.zoom.us/meeting/register/tZMocO6pqT0qGd2xrkxRkSBRqRANb8eJHdDg#/registration>)

Registration deadline

5 February 2025

Steering Committee

- Catherine Rimmer, NIST (United States of America)
- Jeremy Melanson, NRC (Canada)
- Ralf Josephs, BIPM

CCQM-TG-FOOD Members

- Jeremy Melanson, NRC (Canada) – Chair
- Ralf Josephs, BIPM - Secretary
- Maíra Fasciotti, INMETRO (Brazil) - CCQM-IRWG representative
- Boqiang Fu, NIM (China) - CCQM-CAWG representative
- John Emerson Leguizamón Guerrero, INM (Colombia) - CCQM-NAWG representative
- Maré Linsky NMISA (South Africa) - CCQM-IAWG representative
- Chiara Portesi, INRIM (Italy) - CCQM-PAWG representative
- Catherine Rimmer, NIST (United States of America) - CCQM-OAWG representative
- David Worton, NPL (United Kingdom) - CCQM-GAWG representative
- Andrea Mario Rossi INRIM (Italy) - CCQM-SAWG and EURAMET/EMN for Safe and Sustainable
- Patricia Grinberg, NRC (Canada) - SIM representative
- Angelique Botha, NMISA (South Africa) - AFRIMETS representative
- Yuriy Anatolievitch Kustikov, VNIIM (Russia) - COOMET representative
- Ki Hwan Choi, KRIS (South Korea) - APMP Food Focus Group and APMP representative