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Federal Institute of Metrology METAS

Scientific Workshop in connection with Eurachem General Assembly 2023

Ensuring reliable and accurate results of analytical processes

22.–23. May 2023, METAS, Bern-Wabern, Switzerland

SCS
Swiss Chemical Society

Division of Analytical Sciences

Eurachem

Ensuring reliable and accurate results of analytical processes

The analytical process spans from sampling over sample preparation to the actual measurement process. All these steps contribute to the measurement uncertainty of the result. Reliable and accurate results are subsequently interpreted and further used. Leading international and Swiss experts will share their current practices, latest developments and challenges across the analytical process.

I look forward to welcoming you to the workshop.

Hanspeter Andres
Vice-Director of the Federal Institute of Metrology METAS

Eurachem

Eurachem
Eurachem is a network of organisations in Europe having the objective of establishing a system for the international traceability of chemical measurements and the promotion of good quality practices.

Massimiliano Conti
Swissmedic

Gisela Umbricht
Federal Institute of Metrology METAS

Christopher Burgesses
independent consultant

Ernst Halder
Eurachem-CH

Katharina Rentsch
University Hospital Basel

Andreas Schorer
Spiez Laboratory

Mike Ramsey
Prof. em. University of Sussex

Markus Obkircher
Merck Group

Programme, May 22, 2023

Time	Programme
09:00 – 09:15	**Welcome addresses,** Philippe Richard, Director, METAS; Isabelle Vercruysse, Eurachem Chair
09:15 – 11:30	**Session 1 – Method validation**
	ICH Q2(R2) & Q14 Guidelines and impact on validation in OMCL Laboratories (ISO/IEC 17025:2017) Massimiliano Conti, Swissmedic
	Correct choice and application of certified reference materials in method validation in food analysis Gisela Umbricht, METAS
	Contributed talks and Panel discussion
11:30 – 12:30	**Poster Session or Guided laboratory tour**
12:30 – 13:15	**Lunch**
13:15 – 15:30	**Session 2 – Equipment and Software validation**
	Lifecycle approaches for establishing 'fitness for use' of analytical instruments and systems in order to support and maintain 'fitness for purpose' of analytical procedures Christopher Burgesses, independent consultant
	Digital measurement and control technology in the analytical sciences and its quality assurance Ernst Halder, Eurachem-CH
	Contributed talks and Panel discussion
15:30 – 16:00	**Coffee break and networking**
16:00 – 17:00	**Poster Session or Guided laboratory tour**
after 17:00	**Evening Programme**

Programme, May 23, 2023

Time	Programme
09.00 – 09.15	**Welcome at METAS 2nd day,** Hanspeter Andres, Vice Director, METAS
09:15 – 11:30	**Session 3 – Internal and external quality controls**
	Laboratory medicine – mandatory quality controls are self-evident Katharina Rentsch, University Hospital Basel
	The Proficiency Testing System of the Organisation for the Prohibition of Chemical Weapons Andreas Schorer, Laboratory Spiez
	Contributed talks and Panel discussion
11:30 – 12:15	**Poster Session or Guided laboratory tour**
12:15 – 13:15	**Lunch**
13:15 – 15:30	**Session 4 – Uncertainty and Traceability of results**
	Measurement uncertainty from sampling and its roll in validation of measurement procedures Mike Ramsey, Prof. em. University of Sussex
	The Importance of Traceability or how to Achieve Comparability of Chemical Measurements Markus Obkircher, Merck Group
	Contributed talks and Panel discussion
15:30 – 16:00	**Coffee break and networking**
16:00	**End of the Workshop**

Registration and Information

Meeting venue

Federal Institute of Metrology METAS, Lindenweg 50, 30303 Wabern adjacent to Bern.
www.metas.ch/standort

Date/time

Monday – Tuesday, 22.- 23. May 2023
09:00 – 16:00, reception and coffee from 08:30

Audience

The workshop will be relevant to anyone involved in analytical processes, for example quality laboratory technicians and managers; measurement instrument manufacturers, representatives of accreditation authorities, metrology institutes and standardisation bodies; technical assessors as well as customers of laboratory services.

Invited Contributions and Poster

The Scientific Committee invites participants to submit abstracts on subjects related to the workshop's themes.

Abstracts presented according to the format available from the website shall be submitted before **1st March 2023**. Submitting authors are asked to indicate their preference for an oral or poster presentation.

Proposed abstracts will be subject to approval as short oral or poster presentation by the Scientific Committee. The Scientific Committee consists of national and international experts in the field.

Submitting authors will be notified of acceptance before **31st March 2023**.

Language

The working language of the workshop will be English

Registration

The workshop is planned as an on-site event. The registration fee is 300 CHF and includes catering on-site as well as the evening program. The rates do not include VAT. This will be charged additionally.

Please register **by May 12, 2023** at the latest: www.metas.ch/eurachem2023 (active from January 10th)

All interested persons can participate in the workshop; however, the number of participants is limited. Registrations will be considered on a first-come, first-served basis.

Cancellations made after invoicing will be charged a fee of CHF 100 per person for administrative expenses. Cancellations must reach us in writing by 10th May 2023 at the latest; after this deadline the full participation fee will be charged.

Photos/ films

Please note that photos and films will be taken during the event for public relations purposes. Film recordings will be made for public relations purposes. If you do not agree with this, please contact the METAS reception desk on the day of the event.

Scientific Committee

Hanspeter Andres (Eurachem-CH, METAS); Ernst Halder (Eurachem-CH); Christoph Jansen (Mettler Toledo Analytical); Evaldaz Naujaliz (Eurachem, FTMC); Markus Obkircher (Merck-Sigma); Katharina Rentsch (University Hospital Basel) and Isabelle Vercruysse (Eurachem Chair, APB-DGO/ SCM).

Further information

www.metas.ch/eurachem2023 (active from January 10th)

Contact

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