

WORKSHOP TOPICS

Uncertainty from sampling and analysis

The workshop aims to discuss*

- New provisions in the recently revised Eurachem Guide “Measurement uncertainty arising from sampling”
- Improved methods for evaluating uncertainty from sampling
- Current approaches to the evaluation of measurement uncertainty in analysis
- Limitations in uncertainty evaluation under the ISO Guide to the Expression of Uncertainty in Measurement (GUM)
- New approaches for expressing measurement uncertainty – large uncertainties and asymmetry
- Recent developments in uncertainty evaluation using validation and QC data
- Measurement uncertainty, conformity assessment and decision rules in ISO/IEC 17025:2017
- Measurement uncertainty and regulation
- Software for measurement uncertainty evaluation
- Planning and accreditation of sampling under ISO/IEC 17025:2017
- New directions for international guidance – the future of the GUM

*Subject to contributions

Meeting format and contributions

The meeting, held over two days, will include invited presentations, discussion and poster sessions.

Discussion sessions will include opportunity for short contributed presentations.

Contributed Posters and Oral presentations

Posters and oral presentations are invited on any topic covered by the workshop, including the design of sampling protocols and the evaluation of sampling uncertainty; taking account of uncertainty when assessing compliance; and methods and examples of uncertainty evaluation.

Proposals will be evaluated by the scientific committee for the workshop.

Abstracts for posters and oral presentations must be submitted by 31st August 2019 to www.eurachem.org/AbstractsMU2019.

Abstracts will be evaluated as they are received, and participants will normally be notified of poster acceptance within 21 days of abstract submission.



Who should attend

The workshop will address the needs of laboratory managers and staff concerned with

- designing and implementing sampling protocols to ensure acceptable levels of uncertainty in results and conclusions
- developing and maintaining field or laboratory procedures for measurement uncertainty evaluation and reporting to meet the requirements of ISO/IEC 17025:2017
- reporting measurement uncertainty in conformity assessment decisions under ISO/IEC 17025:2017

The workshop will also be of interest to

- Those responsible for drafting regulations and specifications, who have a need to understand the impact of sampling uncertainty and the analytical uncertainty on the assessment of compliance.
- Students and researchers studying analytical chemistry
- Accreditation body staff and assessors
- emphasize the importance of this kind of scientific communication.

Confirmed speakers

- M H Ramsey (Univ. Sussex, UK) Lead author, Eurachem "Measurement uncertainty arising from sampling" and Chair, Eurachem UfS WG
- B Magnusson (Trollboken, Sweden). Co-author of Nordtest guides on uncertainty for environmental labs (537) and internal quality control (569)
- S Ellison (LGC, UK) Co-author of the Eurachem guide "Quantifying Uncertainty in Analytical Measurement" and chair of the Eurachem measurement uncertainty WG
- R Bettencourt da Silva (Univ. Lisbon, Portugal) Chair of the Eurachem Qualitative Analysis WG and lead author for the Eurachem guide on Setting target measurement uncertainty
- W Wegscheider [Univ. Leoben]
- A Van der Veen [VSL; member, JCGM WG1]
- T Näykki (SYKE, Finland) Co-author of Nordtest guide on uncertainty for environmental labs
- P Rostron (Univ. Sussex, UK) Co-author, Eurachem "Measurement uncertainty arising from sampling"

Scientific committee

The technical programme is jointly coordinated by the Eurachem/CITAC Measurement and Traceability Working Group and the Eurachem/CITAC Sampling Uncertainty Working Group
See www.eurachem.org for details of membership.

Official Language

The official language at the conference is English. No translation is offered.

Organisation

Local organisation and logistics are kindly provided by BAM, Berlin, with the support of EUROLAB-Deutschland. The local organising members are:

Silke Richter silke.richter@bam.de
Sigrun Pries berlin@eurolab-d.de
Camillo Klimke berlin@eurolab-d.de

Venue

The workshop will be held at the BAM headquarters Berlin Lichtenfelde, Unter den Eichen 87, D - 12205 Berlin

Registration

Via webpage: www.eurachem.org/MU2019
After online-registration you will get an invoice.

Registration Fee

Regular early registration (till 31.07.)	360 EUR
Regular late registration (from 01.08.)	475 EUR
Students registration	230 EUR
Accompanying Persons	230 EUR

The conference fee excludes VAT.
Included are the scientific program, daily refreshments, the welcome reception and the conference dinner.

The Conference Hotel

Hotel Steglitz International
Schloßstraße/Albrechtstraße 2
D - 12165 Berlin
Tel. +49 (0)30 79 00 5-519
Internet: <http://www.si-hotel.com>
Single Room € 90, Double € 115
Keyword: "eurachem"

Welcome Reception 18.11.19, 6 pm

Hotel Steglitz International

Conference Dinner 19.11.19, 7 pm

Osteria Maria, Leydenallee 79, D - 12167 Berlin



Eurachem International Workshop November 19-20, 2019

Uncertainty from sampling and analysis for accredited laboratories

Measurement uncertainty
evaluation for sampling and
analysis in the context of ISO/IEC
17025:2017

Bundesanstalt für
Materialforschung
und -prüfung (BAM)
Berlin, Germany



eurolab-Deutschland
Chemische Analytik; Mess- und Prüftechnik e.V.