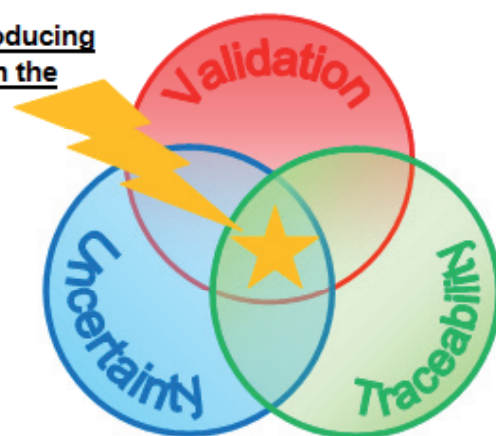


EURACHEM WORKSHOP ON
Validation /Traceability /Measurement Uncertainty
Challenges for the 21st Century's analysts

The basis for producing
reliable results in the
laboratory



Bundesanstalt für Materialprüfung (BAM), Berlin – May 21 – 22, 2012
(in connection with Eurachem General Assembly 2012)

FINAL PROGRAM

- » Review the development in these three areas
- » Share ideas on the needs for guidance on method validation with focus on the link between the three elements
- » Discuss the criteria for methods – and the results they produce – being fit for purpose

Method Validation was a concept more or less “invented” in the early 90’s, whereas the **uncertainty** inevitably attached to measurement results has always been there – although gradually more and more acknowledged and described during the last 3 decades. The concept of **traceability** has in principle also always been there as the concept giving meaning to measurement results!

Along with the elaboration of principles for method validation, ensuring that any applied method would be **fit for purpose**, it was obvious that this fitness was closely related to aiming at generating measurement results that are both traceable and have an appropriate measurement uncertainty. Furthermore the measurement uncertainty of a result and the traceability behind it are closely related!

So these 3 – Method validation – Measurement Uncertainty – Traceability – are **heavily intertwined** and are inevitable elements in **securing reliability** of measurement results.

That’s still an ongoing challenge for analysts in the laboratories of the 21st century and for that reason Eurachem has chosen to make this triangle the pivot of this 2 day’s workshop.

A number of **experts in these fields** will give presentations on the latest developments in these areas, but a very important part of this workshop is the **exchange of experiences, needs, ideas etc..** The event will give ample time for this in a number of break-out sessions (workshops) every afternoon. The outcome of these afternoon workshops will actually be taken directly into the ongoing work of Eurachems Working Group on Method Validation as inspiration for a new version of a **guideline on method validation**.

So – welcome to 2 days filled with information, exchange of ideas and challenges for the 21st century’s analyst....

WORKSHOP PROGRAM

Day 1

| | | |
|---------------|---|---|
| 09.00 - 09.30 | <i>Miloslav Suchanek, Manfred Golze</i> | INTRODUCTION(s) |
| 09.30 - 10.00 | <i>Lorens Sibbesen</i> | What has happened in the area of analytical method validation since the issue of the “Fitness for Purpose” Guide in 1998? |
| 10.00 - 10.30 | <i>Ricardo Bettencourt da Silva</i> | Translating customers’ needs to method validation requirements – the link to performance criteria |
| 10.30 - 11.00 | | BREAK (+ access to posters) |
| 11.00 - 11.30 | <i>Hilde Skaar Norli</i> | The AOAC principle of „Standard Method Performance Requirements“ (SMPR) |
| 11.30 - 12.00 | <i>Steve Ellison</i> | Ruggedness testing - and it’s contribution to MU evaluation |
| 12.00 - 12.30 | <i>Wolfhard Wegscheider</i> | The linkage between method validation, traceability and measurement uncertainty |
| 12.30 - 14.00 | | LUNCH (+ access to posters) |
| 14.00 - 14.15 | | Introduction to workshops / Going to group rooms |
| 14.15 - 15.45 | | WORKSHOPS *) (participants split into groups after priority) 1.1 Which guidance is needed for planning and performing a good Method Validation Study? 1.2 Defining performance criteria 1.3 Validating multi-parameter methods, test kits and automated analytical systems 1.4 Combination of MV and MU studies 1.5 Does performance of an extensive method validation give „value for money“ (added value)? |
| 15.45 - 16.15 | | BREAK (+ access to posters) |
| 16.15 - 17.15 | | Reports from workshops / Plenary discussion |
| 17.15 - 17.30 | | Ending of Day 1 |

*) NOTE: Every workshop will be led by a convenor and notes taken by a rapporteur. A list of subjects for discussion in every workshop will be prepared and sent to participants in due time before the event to make a priority selection of 3 workshops on every day...

Day 2

| | | |
|---------------|-------------------------|---|
| 09.00 - 09.30 | <i>Steve Ellison</i> | The new Eurachem Guide for Measurement Uncertainty: A Summary of Structure and Changes |
| 09.30 - 10.00 | <i>Ivo Leito</i> | Using method validation and performance data for estimating measurement uncertainty |
| 10.00 - 10.30 | <i>Wolfram Bremser</i> | New approaches to uncertainty evaluation: Propagation of uncertainty, numerical methods and Monte Carlo simulation |
| 10.30 - 11.00 | | BREAK (+ access to posters) |
| 11.00 - 11.30 | <i>Bertil Magnusson</i> | The bias component in measurement uncertainty |
| 11.30 - 12.00 | <i>Alex Williams</i> | The current Eurachem guidance on Metrological Traceability and its practical implementation in Analytical Chemistry |
| 12.00 - 12.30 | <i>Manfred Golze</i> | Current discussion within EA and ILAC on accreditors policies on traceability |
| 12.30 - 14.00 | | LUNCH (+ access to posters) |
| 14.00 - 14.15 | | Introduction to workshops / Going to group rooms |
| 14.15 - 15.45 | | WORKSHOPS *) (participants split into groups after priority) 2.1 Do the laboratories customers really understand – and care about – MU? 2.2 The role of Proficiency Testing 2.3 How do laboratories document traceability? 2.4 Are the new numerical methods for MU estimation applicable in the analytical laboratories? 2.5 The relation between trueness (traceability) and any bias component in estimation of Measurement Uncertainty |
| 15.45 - 16.15 | | BREAK (+ access to posters) |
| 16.15 - 17.15 | | Reports from workshops / Plenary discussion |
| 17.15 - 17.30 | | Ending of Event!! |

*) NOTE: Every workshop will be led by a convenor and notes taken by a rapporteur. A list of subjects for discussion in every workshop will be prepared and sent to participants in due time before the event to make a priority selection of 3 workshops on every day...

POSTER PRESENTATIONS

The Scientific Committee invites participants to present a poster on subjects related to the theme of this workshop.

Please use the registration form for submitting the proposed poster title and provide an abstract for a poster (1 page, pdf format) by 30 April 2012 at the latest.

As only a limited number of posters will be allowed (30), the Scientific Committee will evaluate the delivered abstracts for a selection of the posters to be presented at the workshop.

NOTE: This event will be followed up by another event in the autumn of 2012 focusing on the need for currently securing that the basis established above is still valid – e.g. by checking of the laboratory's performance in terms of internal control.

SCIENTIFIC COMMITTEE

L. Sibbesen, DK
A. Williams, UK
S.L.R. Ellison, UK
M. Walsh, IRL
R. Kaus, DE
W. Bremser, DE
B. Magnusson, SE
R. Bettencourt da Silva, PT
W. Wegscheider, AT

ORGANIZING COMMITTEE

M. Golze, DE
R. Nüsser, DE
M. Hedrich, DE
L. Sibbesen, DK

REGISTRATION AND PRACTICAL INFORMATION

Workshop Language

The workshop will be held in English

Participation fees *

| | |
|--|----------|
| Workshop fee | 440 EURO |
| Early registration before 15 April, 2012 | 380 EURO |
| Accompanying person | 70 EURO |

NOTE: The number of participants will be limited to 150. The registration fee includes a compilation of abstracts, lunches, refreshments and a workshop dinner. *{If you cancel up to 14 days before the workshop, we will refund your workshop fee less a 25 Euro administration fee. PLEASE NOTE: You may transfer your registration to a colleague at any time. Please notify the organisers of any such substitutions as soon as possible. If you do not cancel and do not attend the workshop, you will be responsible to pay the full workshop fee.}

CONTACT

Any requests regarding the event can be directed to...

Organisational matters

Roswitha Nüsser
EUROLAB-Deutschland
Phone +49 30 8104 3703
Mail: eurolab-d@bam.de

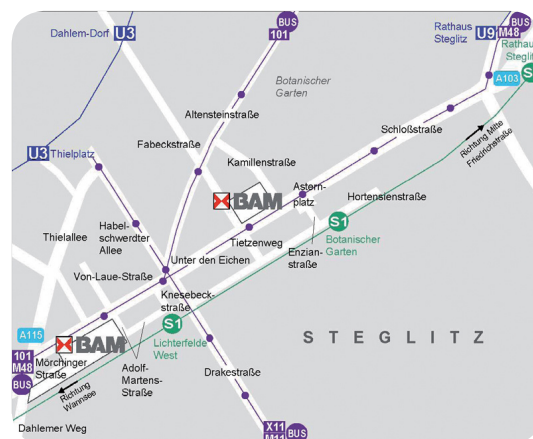
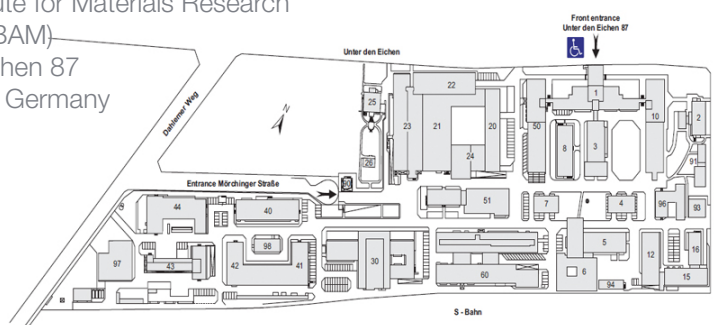
Scientific questions

Lorens Sibbesen
EUROLAB-Denmark
Phone +45 47 72 17 07
Mail: ips@labqa.dk

VENUE

Conference location

Federal Institute for Materials Research
and Testing (BAM)
Unter den Eichen 87
12205 Berlin, Germany



ACCOMMODATION

Reservation might still be possible in the
Best Western Premier Hotel Steglitz International
Albrechtstrasse 2, 12165 Berlin.
Phone +49 30 79 00 55 21
Fax +49 30 79 00 55 30
Mail info@steglitz.bestwestern.de
URL www.steglitz.bestwestern.de

Using the reservation code „BAM“. Additional hotel information and room reservations are provided by www.touristeninformation-berlin.de/accomodation. Please contact us if you wish to use an alternative hotel and need further information or assistance.