

Technical Programme

Eurachem has played an important part in the significant improvements in the quality of analytical measurements that have been achieved since it was set up 25 years ago.

The purpose of this workshop is to review the procedures and guidance in each step of the measurement cycle, starting with setting a target measurement uncertainty that is adequate to ensure that the necessary decisions can be made on the basis of the measurement result.

Plenary lectures will be given on each step of the measurement cycle followed by breakout sessions. Since there is evidence, for example from the results of PT schemes, that the required quality is not always achieved, these breakout sessions will be tasked with identifying where improvements are needed and also what might be the reasons for these quality failures.

Intended audience:

Analysts, regulators, quality managers and stakeholders in the accreditation of laboratories.

Important Dates for Authors are:

Abstracts due: 31 March 2014

Notification for acceptance: 15 April 2014

Eurachem in co-operation with CITAC, University of Lisbon and RELACRE, cordially invites members of the international analytical community to the workshop on Quality in Analytical Measurements.



This event will celebrate the **25th Anniversary of Eurachem.**

Registration

Register online using the workshop website.

Early registration: *Before 31 March 2014*

Regular participant: 400 €

Associate participant *: 350 €

Student: 250 €

Registration: *After 31 March 2014*

Regular participant: 450 €

Associate participant *: 400 €

Student: 300 €

* - Associate participant – Members of the following organizations: Eurachem, Eurachem Portugal, CITAC, Eurolab, RELACRE and SPQ (Portuguese Chemical Society).

Workshop Secretariat:

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Eurachem



WORKSHOP ON QUALITY IN ANALYTICAL MEASUREMENTS

FROM SPECIFICATION TO DECISION



LISBON, 19-21 MAY 2014

<http://eurachem2014.fc.ul.pt>

Second Circular, January 2014

In co-operation with



Local organization:



FACULDADE DE CIÊNCIAS UNIVERSIDADE DE LISBOA



PROGRAM

Monday, May 19 The measurement cycle: Part I

8:00 Registration

9:00 Welcome

**Session: Eurachem 25th Anniversary.
The measurement cycle**
Chair: B. Magnusson

9:15 How Eurachem began A. Williams

9:30 What Eurachem has achieved M. Walsh

9:50 The measurement cycle W. Wegscheider

10:20 Coffee

Session: Setting requirements for measurement validation
Chair: M. F. Camões

10:50 Setting the measurement requirement R. B. Silva

11:20 Method validation and verification L. Sibbesen

11:50 Contributed paper 1

12:10 Contributed paper 2

12:30 Lunch

Session: Bias evaluation and proficiency testing
Chair: M. Walsh

13:30 Recovery/ bias evaluation I. Leito

14:00 Proficiency Testing (PT) – a tool to improve laboratory performance B. Brookman

14:30 Contributed paper 3

14:50 Contributed paper 4

15:10 Tea

15:40 Parallel breakout sessions on:
1) Setting the measurement requirement (Chair: R. B. Silva)
2) Method validation and verification (Chair: M. Patriarca)
3) Challenges in recovery/bias evaluation (Chair: D. Milde)

17:10 Report back from the breakout sessions

17:55 Close

18:15 -

19:15 Workshop dinner – Mundial Hotel



Tuesday, May 20 The measurement cycle: Part II

Session: Measurement traceability and uncertainty
Chair: A. Williams

9:00 Traceability in chemical analysis – Are we ready to deliver? H. Emons

9:30 Uncertainty evaluation for analysis and sampling S. Ellison

10:00 Contributed paper 5

10:20 Contributed paper 6

10:40 Coffee

Session: Compliance assessment
Chair: W. Wegscheider

11:10 Reporting the result and assessment of compliance B. Magnusson

11:40 Contributed paper 7

12:00 Contributed paper 8

12:20 Lunch

13:20 Poster session

14:50 Tea

15:20 Parallel breakout sessions on:
1) Challenges in uncertainty evaluation (Chair: A. Williams)
2) Traceability and use of reference materials (Chair: S. Ellison)
3) Use of uncertainty in assessment of compliance (Chair: J. Engman)

16:50 Report back from the breakout sessions

17:35 Close

Wednesday, May 21 Underpinning the measurement cycle

Session: Quality Assurance and Training
Chair: P. De Bièvre

9:00 QA/QC to underpin the measurement cycle P. Bianco

9:30 Key skills for the analytical scientist: Assessing competence in the laboratory V. Barwick

10:00 Contributed paper 9

10:20 Contributed paper 10

10:40 Coffee

11:10 Where next M. F. Camões

11:30 Where next: Three parallel discussions about the same topic

1) Group I (Chair: M. Suchanek)

2) Group II (Chair: B. Magnusson)

3) Group III (Chair: W. Wegscheider)

12:15 Report back from Breakout Sessions

12:45 Close

13:00 Lunch

The journal "Accreditation and Quality Assurance (ACQUAL)" plans to publish a Topical Focus on aspects covered by the Workshop. Authors of oral and poster communications are invited to submit manuscripts (see workshop website for author instructions)

