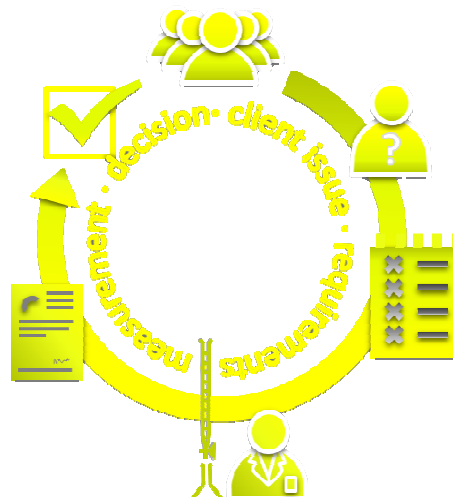




Eurachem

A Focus for Analytical Chemistry in Europe

Eurachem



***a focus for analytical chemistry and
quality related issues in Europe***

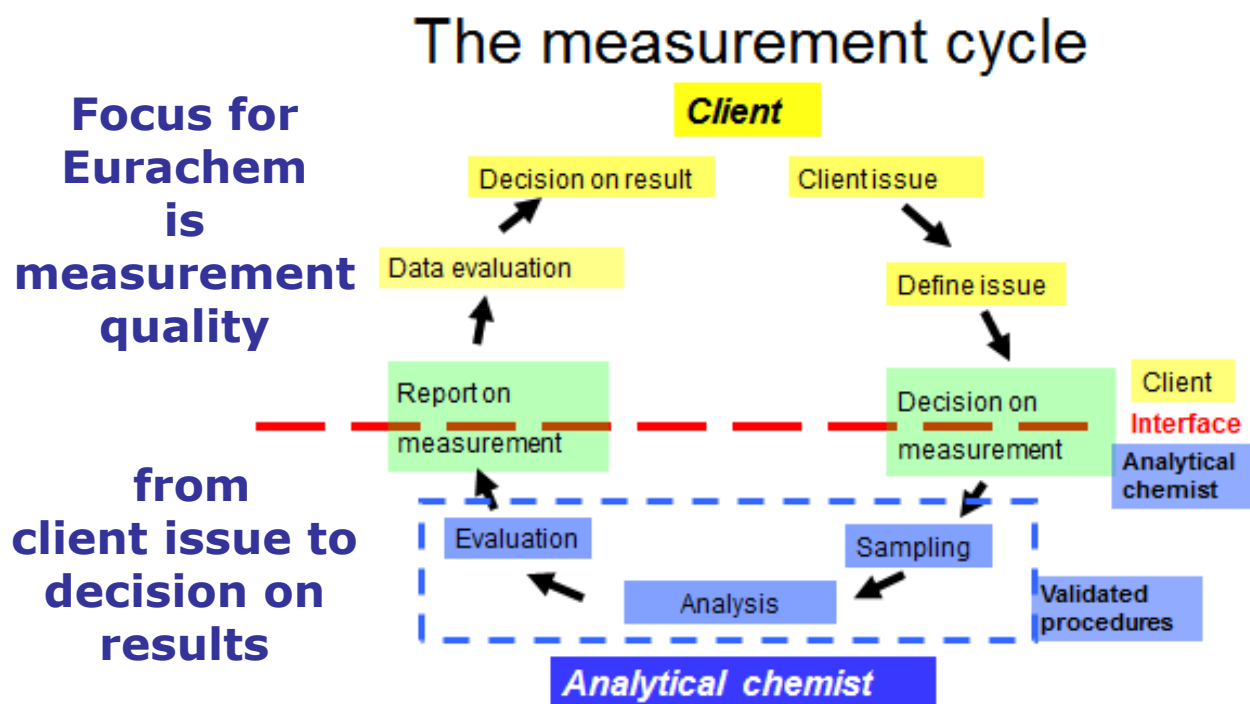


Eurachem

A Focus for Analytical Chemistry in Europe

Introduction

- Eurachem aims and membership
- Eurachem activities
- Recent and forthcoming activities
 - Guidance documents
 - Workshops



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3



What is Eurachem?

- A network of national and other organisations
- A focus on analytical quality
 - Method Validation
 - Measurement Uncertainty
 - Traceability of Measurement Results
- Providing authoritative guidance documents
- Organising Workshops and training events
- Primary audience:
 - Laboratories for analytical measurement
 - Accreditation bodies and related organisations

Scope & rules - Memorandum of Understanding see www.eurachem.org

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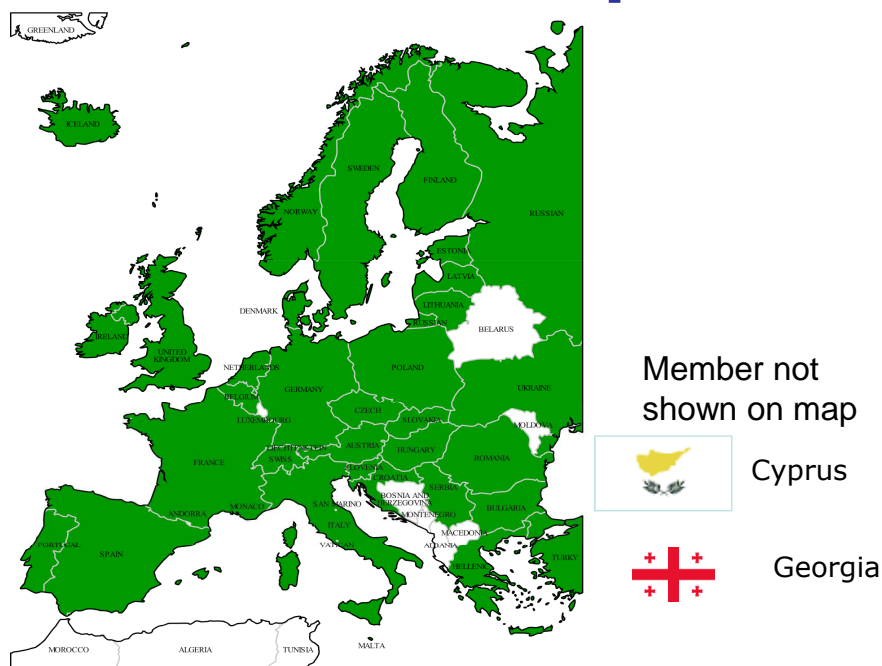
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Eurachem membership



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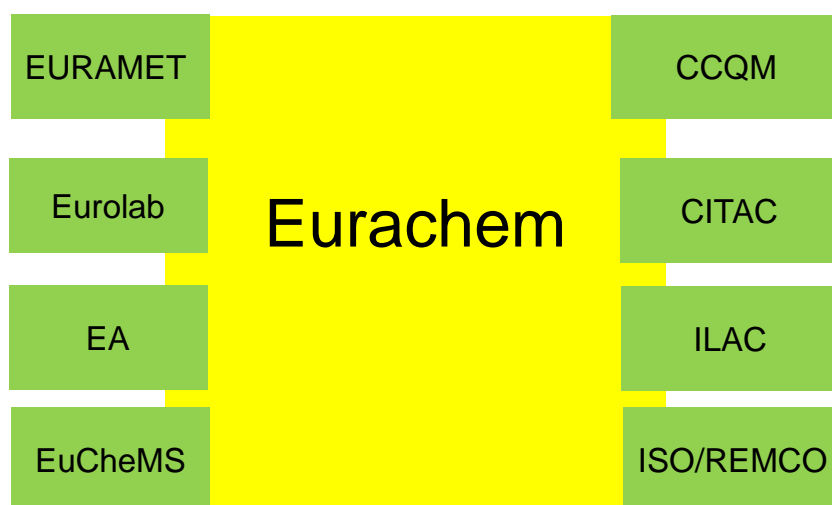
5



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Major cooperations



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6



Activities

- Workshops and Training
 - International workshops on analytical QA issues
 - Hosted by members
- Guidance documents
 - Prepared by working groups
 - Disseminated via web and Secretariat
 - Translation and publication by members permitted



Workshops since year 2000

- | | |
|---|---|
| • Validation, Traceability and Measurement Uncertainty (2000, 2012) | • Sampling (2001, 2008) |
| • Education & Training (2004) | • Metrology and QA (2008, 2009, 2010, 2014) |
| • Proficiency Testing (2000, 2003, 2005, 2008, 2011, 2014) | • Decision making (2008, 2010) |
| • Measurement Uncertainty (2000, 2002, 2008, 2011) | • Internal Quality Control (2012) |
| • Reference Materials (2000) | • QA of measurements from <i>Field to Laboratory</i> (2013) |

...as well as Quality Assurance (QA) and training events in conjunction with General Assembly meetings and in collaboration with other organisations



Future Eurachem Activities

- GA & WG meeting – 26-29 May 2015, Warsaw (Poland)
- GA & Workshop – May 2016, Gent (Belgium)



More recent Guidance Documents

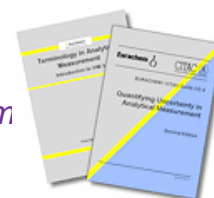
- The Fitness for Purpose of Analytical Methods: A Laboratory Guide to Method Validation and Related Topics, 2nd ed 2014
- Accreditation for Microbiological Laboratories, 2nd ed, 2013
- Quantifying Uncertainty in Analytical Measurement, 3rd ed, 2012
- Selection, Use and Interpretation of PT Schemes 2nd ed, 2011
- Terminology in Analytical Measurement 2011
Discusses a selection of the concepts in VIM 3, focusing on those most likely to be encountered in analytical laboratories
- Measurement uncertainty arising from sampling 2007
- Use of uncertainty information in compliance assessment 2007



More Guidance Documents

- Traceability in Chemical Measurement (2003)
- Accreditation for Microbiological Laboratories (2002)
- The Selection and use of Reference Materials (2002)
- Accreditation for Chemical Laboratories (2002)
- Common Position Paper for the Use of Proficiency Testing as a Tool for Accreditation in Testing (2001)
- The Fitness for Purpose of Analytical Methods – A Laboratory Guide to Method Validation and Related Topics (1998)
- Quality Assurance for R&D and Non-routine Analysis (1998)

All Guides are currently available free of charge from www.eurachem.org and several translations are available at national Eurachem websites. Guides were prepared by Eurachem or in cooperation with e.g. CITAC



Downloads of Guides

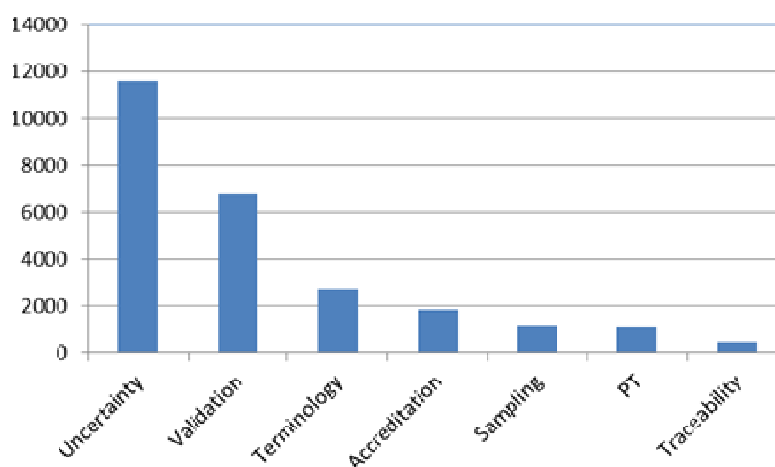
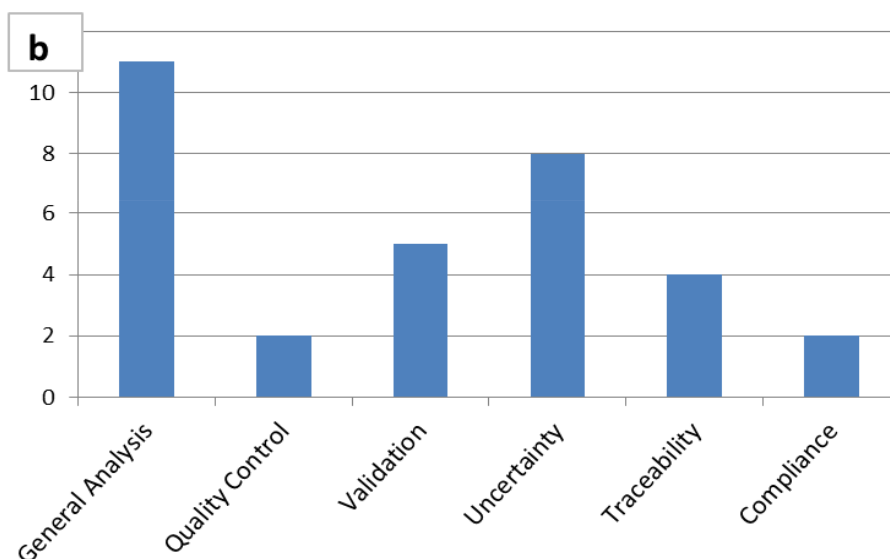


Figure 3 Number of downloads of Eurachem guides during 2012-10-01 to 2013-09-30. The Guides are referred to with a single name. Note that Sampling refers to the guide Uncertainty in sampling



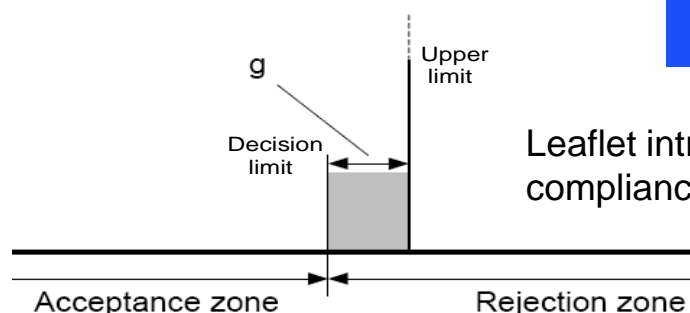
Impact - References to Eurachem in ISO documents – survey 2013



Eurachem information leaflets

Leaflets are short briefing documents on a specific topic intended to inform a wide audience, including laboratory staff, managers and laboratory customers. Examples: traceability, proficiency testing, quality (uncertainty), compliance.

Leaflet introducing the traceability guide



Leaflet introducing the compliance guide


Current guidance activities

- Guides in preparation:
 - “Expressing uncertainty in qualitative analysis”
 - “Setting and use of the target uncertainty in chemical measurements”
- Revisions
 - Accreditation for Chemical Laboratories (from 2002)
 - Quality Assurance for R&D and Non-routine Analysis (from 1998)

Administration 2014-2016

- Change of Chairs (2-year cycle)
 - Chair: Wolfhard Wegscheider (Austria)
 - Vice chair: David Milde (Czech Republic)
 - Past chair: Bertil Magnusson (Sweden)
- Secreteriat
 - Eurachem Austria, secretary@eurachem.org
- Website:

www.eurachem.org



Eurachem

A Focus for Analytical Chemistry in Europe

[Home](#)
[About Eurachem](#)
[Working groups](#)
[Publications](#)
[Task Views](#)
[Events](#)
[News](#)
[Contact Eurachem](#)
[Web links](#)

Welcome to Eurachem

Welcome to Eurachem, 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. It provides a forum for the discussion of common problems and for developing an informed and considered approach to both technical and policy issues. It provides a focus for analytical chemistry and quality related issues in Europe.

Task Views

Check the Task Views to find all the Eurachem resources for particular topics:

- Measurement Uncertainty
- Proficiency Testing

Forthcoming Events

No events

[View Full Calendar](#)

Quick Links

Frequently requested

- Eurachem Guides
- Eurachem Publications
- Quantifying Uncertainty in Analytical Measurement, 3rd Edition (2012)
- Terminology in Analytical Measurement: Introduction to VIM 3
- Eurachem working groups

Recent updates

- Measurement uncertainty arising from sampling (2007)
- Eurachem Guides
- Terminology guide now in Ukrainian
- Terminology in Analytical Measurement: Introduction to VIM 3
- Eurachem News No. 32 issued
- Eurachem Newsletter

Recent News

Terminology guide now in Ukrainian

Thanks to our Eurachem colleagues in Ukraine, the Eurachem guide to terminology: "Terminology in Analytical Measurement: Introduction to VIM 3" is now available in Ukrainian.

[Download the guide here in four languages >>>](#)

Eurachem News No. 32 issued

The Autumn 2014 Eurachem Newsletter is now available to download in PDF format. Printed copies will also be available through National members.

Previous newsletters can be found on the [Newsletter page](#).

Eurachem PT leaflet now available in French

The Eurachem Information Leaflet entitled "How can proficiency testing help my laboratory?" has now been additionally translated into French, bringing the total to 14 languages. All 14 language versions be downloaded [here](#).

Other information leaflets can be found under 'Information leaflets'.

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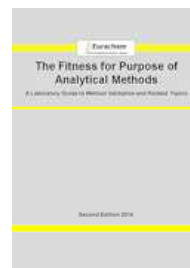
Eurachem 25 years in AQUAL 2014

On the occasion of the 25th anniversary, Eurachem was invited to submit review articles to the journal Accreditation and Quality Assurance (AQUAL) covering Eurachem's formation and impact so far

- Eurachem's 25th Anniversary: Two members' perspective**
 Alex Williams (Chairman, WG on Uncertainty and Traceability)
 Paul De Bièvre (Eurachem Chairman 1993 -95)
- Impact of Eurachem 25 years of activity**
 Bertil Magnusson, Eurachem chair 2012-2014,
 Stephen L.R. Ellison webmaster, chair of WG on Qualitative analysis
 Marina Patriarca, Member of Eurachem executive board

Summary

- Continuing development of guidance
 - Latest guide: The Fitness for Purpose of Analytical Methods: A Laboratory Guide to Method Validation and Related Topics, 2nd ed 2014
- Continuing development of leaflets
- Completed international workshops
 - *Measurement Quality from client issue to decision on result*, Lisbon, 19-20 May 2014
 - Measurement Uncertainty for food and feed analysis Copenhagen, 29-30 September 2014
 - *8th Eurachem workshop on proficiency testing* Berlin, 6-9 October 2014
 - International Workshop on Human Errors and Quality of Chemical Analytical Results, Tel-Aviv, 13 January 2015



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19

Eurachem is people



GA 2014, Lisbon