



Eurachem

A Focus for Analytical Chemistry in Europe

Eurachem



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



Introduction

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



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



Eurachem

A Focus for Analytical Chemistry in Europe

Eurachem membership



Member not
shown on map



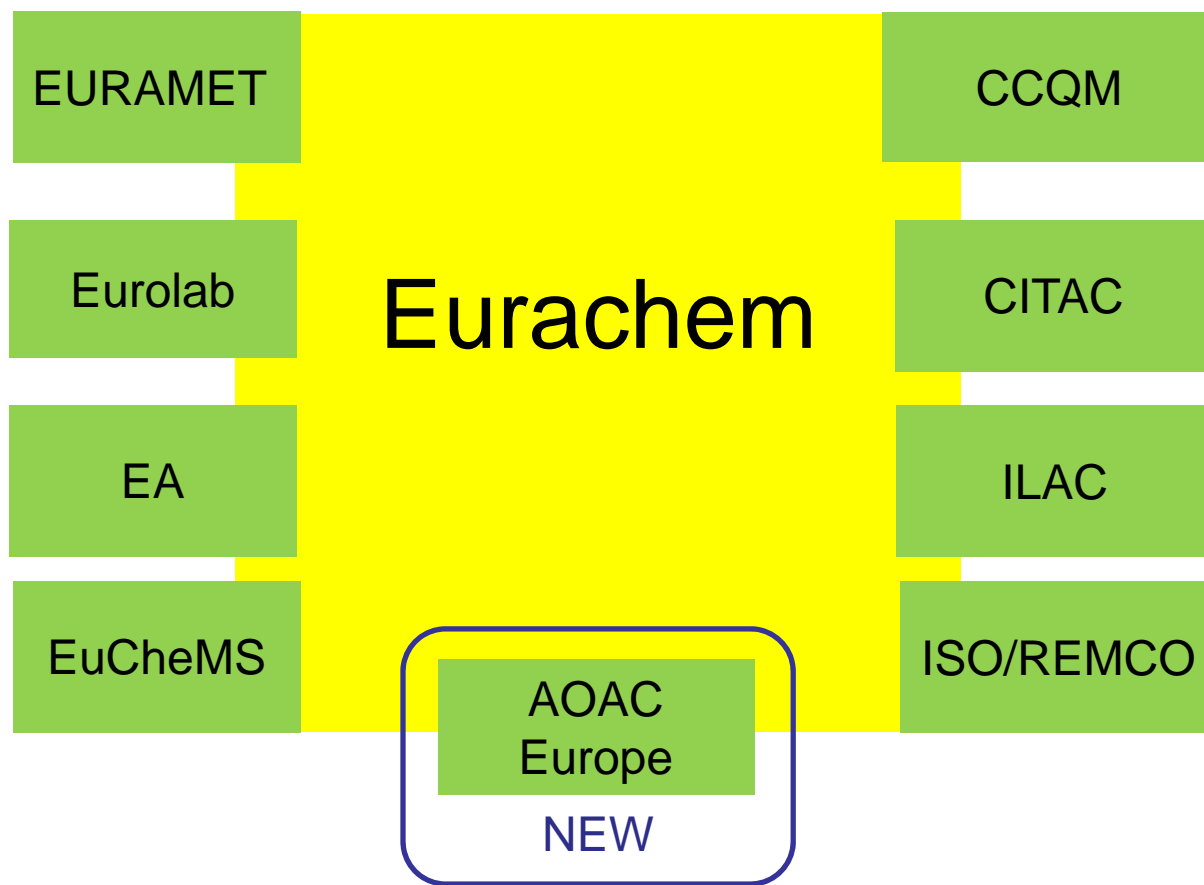
Cyprus



Georgia



Major cooperations





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

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



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Future Eurachem Workshops

- Eurachem PT Workshop – October 2016, Portorož, Slovenia



Guidance Documents

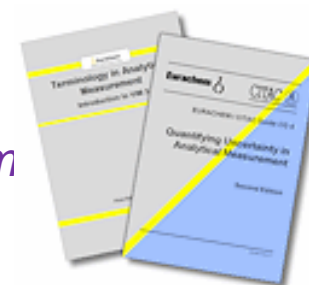
- Setting target measurement uncertainty (2015) New
- The Fitness for Purpose of Analytical Methods: A Laboratory Guide to Method Validation and Related Topics, 2nd ed 2014
- Accreditation for Microbiological Laboratories, 2nd ed, 2013
- Quantifying Uncertainty in Analytical Measurement, 3rd ed, 2012
- 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



Guidance Documents (cont)

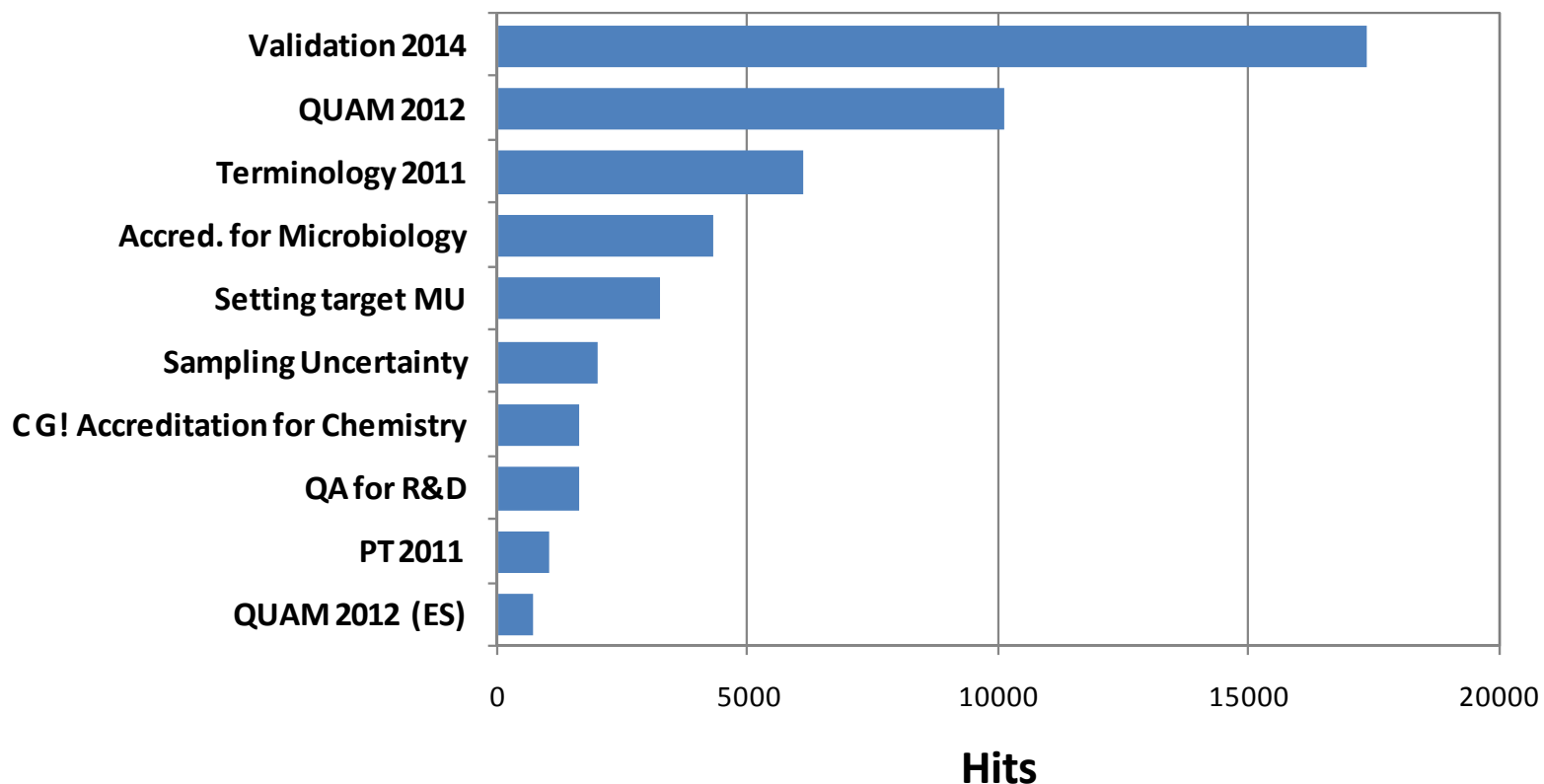
- Traceability in Chemical Measurement (2003)
- Accreditation for Microbiological Laboratories (2002)
- The Selection and use of Reference Materials (2002)
- Accreditation for Chemical Laboratories (2002)
- Common Position Paper for the Use of Proficiency Testing as a Tool for Accreditation in Testing (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



Number of downloads of Eurachem guides Apr 2015-Mar 2016



Current guidance activities

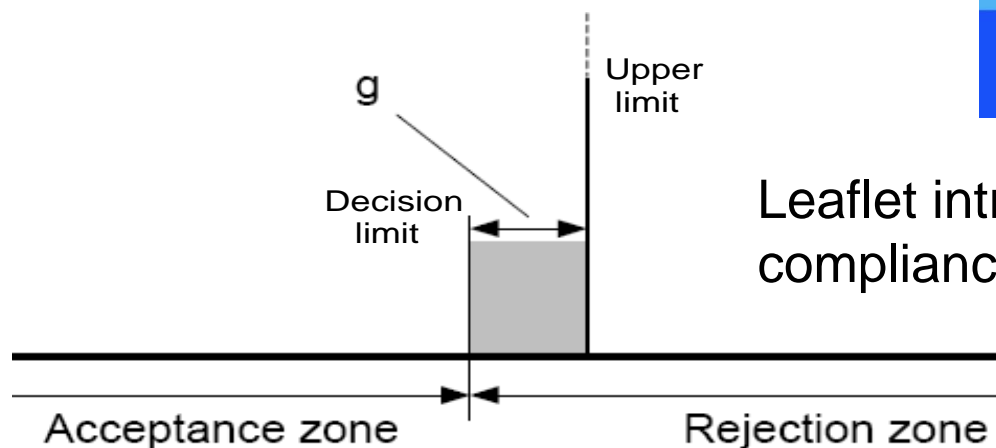
- Guides in preparation:
 - “Expressing uncertainty in qualitative analysis”
- Revisions
 - Accreditation for Chemical Laboratories (from 2002)
 - Quality Assurance for R&D and Non-routine Analysis (from 1998)



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



Information leaflets

- Proficiency testing
 - Proficiency Testing Schemes and other interlaboratory comparisons (2005)
 - How can Proficiency Testing help my laboratory? (2013)
 - Selecting the right proficiency testing scheme for my laboratory (2015)
 - Pre- and post-analytical proficiency testing (2009)



Information leaflets (cont.)

- Measurement uncertainty and traceability
 - Information leaflet for lab customers concerning the quality of chemical analyses (2000)
 - Traceability of Analytical Results (2005)
 - Use of uncertainty information in compliance assessment (2009)
 - Using repeated measurements to improve the standard uncertainty (2015)
- Terminology
 - You talk, we understand – The way out of the tower of Babel



Administration 2016-2018

- Change of Chairs (2-year cycle)
 - Chair: David Milde (Czech Republic)
 - Vice chair: Marina Patriarca (Italy)
 - Past chair: Wolfhard Wegscheider (Austria)
- Secretariat
 - Eurachem Czech, secretary@eurachem.org
- Website:

www.eurachem.org



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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.



Image courtesy of SP, Sweden

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](#)

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](#)

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](#)'.



Eurachem on Social media

- Twitter

<https://twitter.com/eurachemeurope>



- Social sharing enabled on website



- **LinkedIn**

Closed Group for members

Posts on recent Eurachem news