



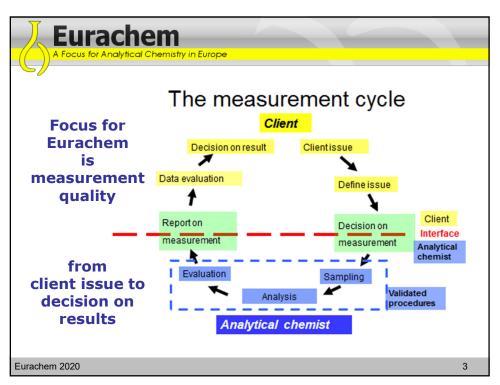
Introduction

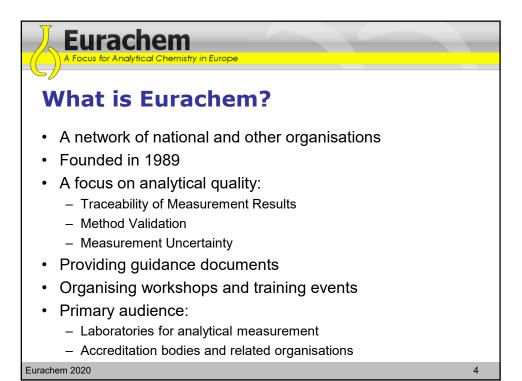
- What is Eurachem
- Eurachem aims and membership
- · Eurachem activities
 - Guidance documents
 - Workshops
 - Future activities

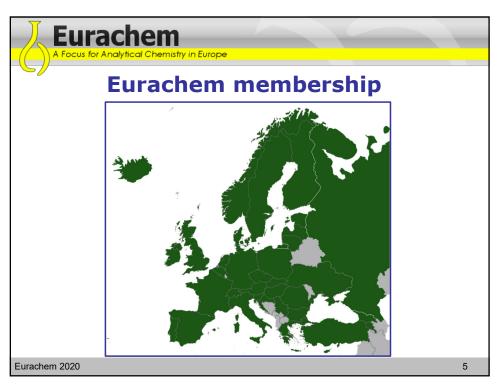
Scope & rules - Memorandum of Understanding see www.eurachem.org

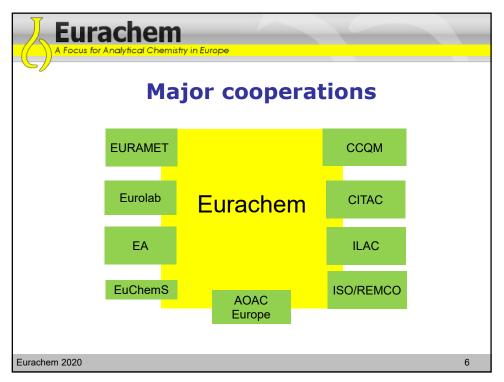
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2











Activities

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

7



Workshops since year 2010

- Method Validation (2016, 2019)
- Validation, Traceability and Measurement Uncertainty (2012)
- Measurement Uncertainty (2011, 2017, 2019)
- Data Quality, Analysis, Integrity (2018)
- Accreditation Issues (2019, 2020)
- Proficiency Testing (2011, 2014, 2017)
- Internal Quality Control (2012)
- Metrology and QA (2010, 2014)
- QA of measurements from Field to Laboratory (2013)
- Decision making (2010)

... 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 activities

2021

- Eurachem "week" 2021 Prague, Czech Republic
 - Workshop (17-18 May)
 - General Assembly (19-21 May)



- 10th International WS on PT Windsor, UK
 - 27-30 September 2021



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9

9



Currently active Working Groups

- Education and Training WG
- · Measurement Uncertainty and Traceability WG
- Method Validation WG
- · Proficiency Testing WG
- · Qualitative Analysis WG
- · Sampling Uncertainty WG
- · Reference Materials WG

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10



Guidance documents

- Traceability in Chemical Measurement (2nd ed 2019)
- Measurement Uncertainty arising from sampling (2nd ed 2019)
- Guide to Quality in Analytical Chemistry: An Aid to Accreditation 3rd ed (2016)
- Setting target measurement uncertainty (2015)
- 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)

All Guides are 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



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11

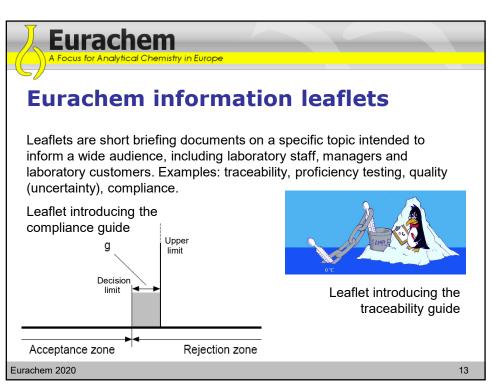
11

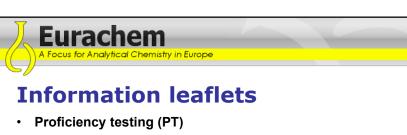


Current guidance activities

- Guides in preparation:
 - Expressing uncertainty in qualitative analysis
- Guides under revision:
 - Quality Assurance for R&D and Non-routine Analysis (1998)
 - The Selection and Use of Reference Materials (2002)
 - Terminology in Analytical Measurement (2011)
 - Selection, Use and Interpretation of Proficiency Testing (PT)
 Schemes by Laboratories (2011)
 - Accreditation for Microbiological Laboratories (2013)
 - Guide to Quality in Analytical Chemistry: An Aid to Accreditation 3rd ed (2016)

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- How to investigate poor performance in proficiency testing (2019)
 - Use of surplus Proficiency Test items (2019)
 - Proficiency testing How much, and how often? (2017)
 - Selecting the right PT scheme for my laboratory (2015)
 - How can PT help my laboratory? (2013)
 - Pre- and post-analytical PT (2009)
 - PT Schemes and other interlaboratory comparisons (2005)

· Measurement uncertainty and traceability

- Traceability of Analytical Results (2005)
- Use of uncertainty information in compliance assessment (2009)
- Using repeated measurements to improve the standard uncertainty (2015)
- Treatment of an observed bias (2017)
- Setting target measurement uncertainty (2018)

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14



Information leaflets & supplements

- Accreditation
 - ISO/IEC 17025:2017 A New Accreditation Standard (2018)
- Terminology
 - You talk, we understand The way out of the tower of Babel (2016)

Supplements to guides

- Blanks in Method Validation (2019)
- Planning Method Validation Studies (2019)



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15

15

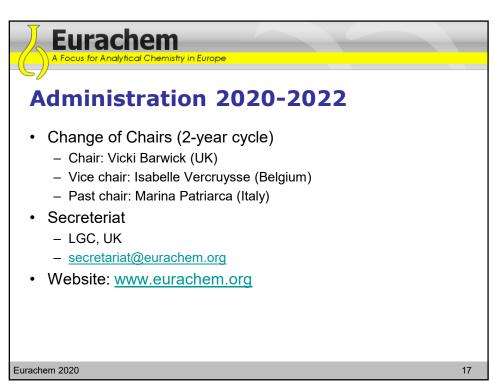


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16







Summary

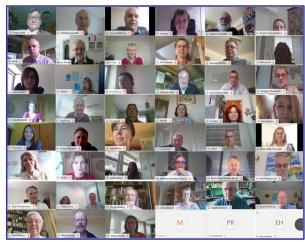
- · Continuing development of guidance
 - Latest guides:
 - Traceability in Chemical Measurement (2nd ed 2019)
 - Measurement Uncertainty arising from sampling (2nd ed 2019)
- Continuing development of leaflets & supplements
 - How to investigate poor performance in proficiency testing (2019)
 - 2 supplements to the "Validation Guide" (2019)
- International workshops in 2020 and 2021:
 - Eurachem "week" 2021 Prague, 17-21 May 2021
 - 10th PT WS Windsor, 27-30 September 2021

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19



Eurachem is people



General Assembly 2020, Virtual meeting hosted by Eurachem-Romania

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20