

# Eurachem

A Focus for Analytical Chemistry in Europe



## 1989 – 2019

### MISSION:

- Promote best practice in chemical measurements, and in measurements where chemistry is coupled with other disciplines, e.g. physics and biology.
- Develop strategies which will cater for new and emerging analytical technologies.
- Address the needs and expectations of the analytical community and its customers in the 21st century.

### MEMBERSHIP:

Eurachem has active members in almost all European countries, supported by a network of national Eurachem organisations.

### NETWORKING:

Eurachem has an extensive website for promoting and reporting Eurachem activities, and for disseminating Eurachem guides and leaflets ([www.eurachem.org](http://www.eurachem.org)), and collaborates with many European and intercontinental organisations such as CITAC, EA, EURAMET, EUROLAB, EuCheMS-DAC, ILAC and IUPAC.

### WORKING GROUPS:

Working groups produce guidance and promote international workshops and meetings.

**EDUCATION AND TRAINING WG** supports teaching and training on metrology in chemistry and related quality assurance issues.

**METHOD VALIDATION WG** provides guidance on method validation and meeting accreditation requirements applicable to all chemical analytical laboratories.

**MEASUREMENT UNCERTAINTY AND TRACEABILITY WG** provides guidance on best practice for the evaluation and use of measurement uncertainty in analytical chemistry and on the practical establishment of traceability in chemical analysis.

**PROFICIENCY TESTING WG** promotes and supports best practice in the development and implementation of proficiency testing.

**EEE "PROFICIENCY TESTING IN ACCREDITATION" WG** develops policy and provides technical advice on the use of proficiency testing to meet European needs.

**UNCERTAINTY FROM SAMPLING WG** provides guidance on the evaluation of uncertainties in measurement from the process of sampling, and any physical preparation of the sample prior to analysis.

**QUALITATIVE ANALYSIS WG** develops guidance on the assessment of the performance of qualitative tests and evaluation of their uncertainty.

**REFERENCE MATERIALS WG** promotes and supports best practice in the selection and use of reference materials.

### GUIDANCE:

The working groups have published several guides and leaflets on:

- Metrological terms in analytical chemistry
- Quality assurance and accreditation for chemical and microbiological measurements
- Traceability for chemical measurements
- Method validation
- Measurement uncertainty
- Uncertainty from sampling
- Setting target measurement uncertainty
- Use of uncertainty information in compliance assessment
- Selection and use of reference materials
- Selection, use and interpretation of proficiency testing schemes

Guidance is available at [www.eurachem.org](http://www.eurachem.org).

### WORKSHOPS AND MEETINGS:

Eurachem working groups participate in 2-3 international workshops per year.

[www.eurachem.org](http://www.eurachem.org)



Eurachem countries in yellow, Associate Members Armenia and Georgia not displayed

