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), 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.

WORKSHOPS AND MEETINGS:
Eurachem working groups participate in 2-3 international workshops per year.

www.eurachem.org