

Study Group / Task Force Name: Quality Assurance
Study Group / Task Force Members and Affiliations: Elin L.F. Gjengedal (Head), Liaison to Eurachem, Norwegian University of Life Sciences, Norway Hendrik Emons, JRC, EC Constantina P. Kapnissi-Christodoulou, University of Cyprus
Objectives: Report on activities in metrology, quality assurance, accreditation and all areas related to quality issues of analytical chemistry. Liaison to other Divisions, working groups, working parties and governmental bodies. Accreditation of laboratories is common practice in industry and accreditation is introduced in order to sustain quality and reliability. Practices and procedures of quality assurance are considered also in science and the influence on quality of scientific results is evaluated and discussed. The aim of the Study Group 'Quality Assurance' is to follow the development of quality assurance and metrology in analytical chemistry and produce guidelines for assessing the quality of results, which ultimately can create a new basis for decision-making that may have an impact on the way research is carried out. Both statistics and metrology are currently considered for further developments and improvements as to meet contemporary demands for quality in analytical chemistry.
Activities and Outputs in 2015-2016 (e.g. reports, publications, seminars, meetings): <i>Meetings:</i> <ul style="list-style-type: none">• Elin L.F. Gjengedal: Participated in WebEx Meeting, September 23, 2015. Scientific Committee for Workshop on Method Validation in Ghent, May 2016• Elin L.F. Gjengedal: Participated in the Eurachem Method Validation Working Group, February 4 – 5, 2016 in Rome• Elin L.F. Gjengedal: Member Scientific Committee for the Eurachem Workshop: Method Validation in Analytical Science – Current Practice and Future Challenge. Ghent, Belgium, May 9 – 10, 2016• Elin L.F. Gjengedal: Participated in the Eurachem General Assembly, Ghent, Belgium, May 12 – 13, 2016 <i>Publications:</i> Update available from www.eurachem.org : <ul style="list-style-type: none">• R. Bettencourt da Silva, A. Williams (Eds), Eurachem/CITAC Guide: Setting and Using Target Uncertainty in Chemical Measurement, (1st ed. 2015)• Information Leaflet developed by the Proficiency Testing Working Group: Selecting the right proficiency testing scheme for my laboratory (2015)• Information Leaflet developed by the Measurement Uncertainty and Traceability Working Group: Using repeated measurements to improve the standard uncertainty (2015)• Information Leaflet developed by the Education and Training Working Group: You talk, we understand – The way out of the tower of Babel (2015)
Activities planned for 2016-2017: <ol style="list-style-type: none">1. Follow activities of Eurachem and contribute to meetings and publications, e.g. The Eurachem General Assembly and associated working group meetings 29 May – 2 June 2017 in Cyprus2. Publish results of quality assurance in appropriate journals3. Contribute to conferences, e.g. ANAKON 2017, Euroanalysis 20174. Finalize the revision of two standards used globally for accreditation: ISO/IEC 17025 for testing laboratories and ISO 17034 for reference material producers
Report submitted by: <i>Elin Gjengedal</i>
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