



# Eurachem

## Workshop Gent 2016

**MONDAY 9<sup>TH</sup> MAY 2016**

09:30 Setting the requirements for a method (including aspects of MU)

**Speaker : Bertil Magnusson**



Dr Bertil Magnusson

Department of Chemistry, Materials and Surfaces

SP Technical Research Institute of Sweden

Box 857, S-501 15 Borås, Sweden

Started as a marine chemist looking for traces of metals in the Oceans, rivers, lakes and rain in the 70's. At that time clean room and clean sampling was something totally new in the chemical laboratory. After PhD he joined a chemical company, Eka Chemicals within AKZO-NOBEL and worked there as a specialist in analytical chemistry mainly with spectroscopy (XRF; XRD, ICP) and wet chemistry. The work included support for all laboratories within the company in Europe and America.

In 2002 Bertil joined SP Technical Research Institute of Sweden and is currently working with quality in measurements, Metrology in Chemistry, a research area on international comparability and traceability of chemical measurement results. Main issue is here to participate in international cooperation between national metrology institutes. A major part is teaching and writing guidelines and research papers regarding issues related to measurement quality e.g. measurement uncertainty, validation, traceability and quality control. Important part of his work is education for analytical laboratories. In Nordic cooperation he has written a Nordtest handbooks on Measurement Uncertainty, report 537, and on Internal Quality Control, report 569. Bertil is also working with is primary measurement using Isotope-Dilution ICP-MS, XRF and electrical conductivity in water.

Since 2002 member of Eurachem. Editor of the Eurachem "Validation Guide".

Currently participates in Eurachem working groups on *Measurement uncertainty and Traceability* and *Qualitative Analysis*.