



**Eurachem**

A Focus for Analytical Chemistry in Europe



# Eurachem Workshop Uncertainty from sampling and analysis for accredited laboratories



Eurachem MU & Traceability WG

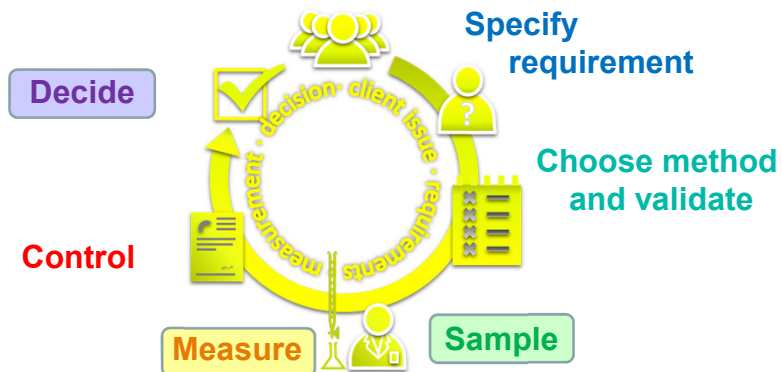
Eurachem Sampling Uncertainty WG



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## The measurement cycle



A common theme – measurement uncertainty



## ISO/IEC 17025:2017

### 7.1.3

“When the customer requests a statement of conformity ... the decision rule shall be clearly defined.”

### 7.6

“When evaluating measurement uncertainty, all contributions that are of significance, including those arising from sampling, shall be taken into account”



## Topics

### Uncertainty from sampling

- Introduction
- New features in the Eurachem UfS guide
- Applications of sampling uncertainty
- Methods for evaluation
- Accreditation perspectives

### Measurement uncertainty & conformity

- Measurement uncertainty approaches and guidance
- Using validation and QC data
- Conformity assessment and uncertainty
- Large uncertainties and uncorrected bias

### Future directions