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A Focus for Analytical Chemistry in Europe

Session 1 – Conformity assessment

Summary

W Wegscheider

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Main presentations

Session 1: Conformity assessment

I. Kuselman, F. Pennecchi, R. Bettencourt da Silva, D. Brynn Hibbert. Shades of grey in conformity assessment due to measurement uncertainty

R. Bettencourt da Silva, F. Lourenço, D. B. Hibbert. Multivariate and correlated acceptance limits for conformity assessment

R. Bettencourt da Silva. An introduction to ILAC G8

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Main outcome

- Decision combining prior information with measurement results potentially lead to better decisions;

- Bayesian conformity assessments drives to conclusions different from purely frequentist assessments;

- Bayesian conformity assessments based on non-informative prior are equivalent to frequentist assessments;

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Main outcome

- Multicomponent conformity assessments are more complex and the proper assessment of involved mathematics is very relevant;

- ILAC G8: the shared risk approach will be popular (up to 50 % of wrong conformity decisions).