

# Mathmet brainstorming workshop: Sample-based conformity decisions for future standardisation

24 November 2025, Online



## Agenda (all times are in CET)

In preparation of the 2026 call for regulation and standardisation needs under EURAMET's research funding programme "[European Partnership on Metrology](#)", [Mathmet](#) organises an online brainstorming workshop on sample-based conformity decisions for future standardization. The aim of the workshop is, to

- exchange ideas on proposing the research topic "sample-based conformity decisions"
- collect and discuss metrology-related stakeholder needs in standardization, regulation, legal metrology and industry (such as the automotive sector),
- demonstrate current research and developments by experts in the field.

13:00 Opening of the Workshop Katy Klauenberg (PTB)  
13:10 Introduction to the EPM NRM Call 2026 Eveline Domini (Euramet)

### Session 1: Needs in standardisation (chair Francesca Pennechi, INRiM)

13:20 Overview of the forthcoming ISO TR 24962 "Sampling-based conformity assessment" Steffen Uhlig (QuoData)  
13:30 Acceptance sampling approaches for inhomogeneous bulk materials Bertrand Colson (QuoData)  
13:40 Shaping Utility-Based Acceptance Sampling: TC 69 / SC 5 Goals & Collaboration Steffen Uhlig (QuoData)  
13:45 Discussion   
13:55 **Coffee break** 

### Session 2: Needs in industry, regulation and legal metrology (chair Steffen Uhlig, QuoData)

14:10 Review of the suggested OIML R 51 Checkpoint test procedure Bernd Zinke (Wipotec GmbH)  
14:20 Acceptance sampling for one-shot devices such as airbags and seatbelt pretensioners Sam Ellis (Ellis and Boscawen), Mike Hicks (UK Ministry of Defence)  
14:25 Applications in cosmetics: acceptance sampling for sunscreens Bertrand Colson (QuoData)  
14:30 Advanced acceptance sampling for conformity assessment Horst Lewitschnig (Infineon)  
14:40 Needs of sample-based conformity decisions in long-term stability study of drugs, foods and reference materials Ilya Kuselman (Independent Consultant)  
14:45 Discussion   
14:55 **Coffee break** 



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### Session 3: Current research and developments (chair Leslie Pendrill, RISE)

15:10	Statistical models for conformity assessment of a sample of items and sampling plans	Francesca Pennechi (INRiM)
15:20	Bayesian attributive sampling for small lots, adversarial settings and more	Katy Klauenberg (PTB)
15:30	Statistical inference for overall and subgroup-specific generalization performance of (medical) AI models	Max Westphal, Eike Petersen (Fraunhofer MEVIS)
15.40	Challenges in Multivariate Sampling by Variables	Rainer Göb (Universität Würzburg)
15.50	Discussion	
16:00	Wrap-Up and Conclusions	Katy Klauenberg (PTB)
16:15	<b>Closing of the Workshop</b>	

### Organisation: EURAMET EMN for Mathematics and Statistics

Katy Klauenberg (PTB), Francesca Pennechi (INRiM), Steffen Uhlig (QuoData), Bertrand Colson (QuoData), Leslie Pendrill (RISE), Nicklas Korsell (RISE), Maria Ferreira (IPQ)

### Meeting venue: MS Teams online meeting

#### Teams dial-in details:

[https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_ODhjMzY1MWItNjBmZS00M2U3LTgxZjQtMmY2Yjl2Njc2OGNm%40thread.v2/0?context=%7b%22Tid%22%3a%22463cf4b2-037b-4a7c-a75c-ae2c1aef241a%22%2c%22Oid%22%3a%229b80f5d5-801d-4ad3-a807-3228054482c2%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ODhjMzY1MWItNjBmZS00M2U3LTgxZjQtMmY2Yjl2Njc2OGNm%40thread.v2/0?context=%7b%22Tid%22%3a%22463cf4b2-037b-4a7c-a75c-ae2c1aef241a%22%2c%22Oid%22%3a%229b80f5d5-801d-4ad3-a807-3228054482c2%22%7d)

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