

MetroCycleEU

2nd Stakeholder online workshop
23rd May 2024 14:00-17:00 (CEST)

**Metrology for the quantification
of Technology Critical Elements
in wastes material**



The workshop is aimed at professionals of the metal recycling industry with a particular interest in Technology Critical Elements such as lithium, precious metals, rare earth elements...

To learn more about the project: visit www.metrocycle.eu

PROGRAMME

How to measure TCE in electronic wastes?

How to evaluate uncertainties?

The complexity of sampling spent Printed Circuit Boards

The ReLieVe Project: Recycling Li-ion batteries for electric Vehicle

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DETAILED PROGRAMME

14:00 – 14:30

Overview of MetroCycleEU
Johanna Noireaux (LNE)

Candidate Reference Materials for TCE in wastes

Questions and answers

14:30-15:15

Performing TCE Measurements with XRF –
Johanna Irrgeher, Shaun Lancaster (MUL)

MetroCycle Toolbox – Uncertainty evaluation
tbd (PTB)

Questions and answers

**Metrology for the quantification
of Technicology Critical Elements
in wastes material**

15:15 Break

15:45 – 16:30

Presentation of the results of the Interlaboratory comparison
Johanna Noireaux (LNE)

**Sampling of spent Printed Circuit Boards : relation between
shredding ability and heterogeneities of sub-samples**
Agathe Hubeau (BRGM)

16:30 – 17:00

ReLieVe: Recycling Li-ion batteries for electric Vehicle
Sophie Lebouil (Eramet Ideas)

Project Outlook and closing remarks