



## Horizon Europe Brokerage Event Cluster 6 Calls 2024

Brussels , 26 September 2023

### Recovery of critical metals from discarded mobile phones and batteries

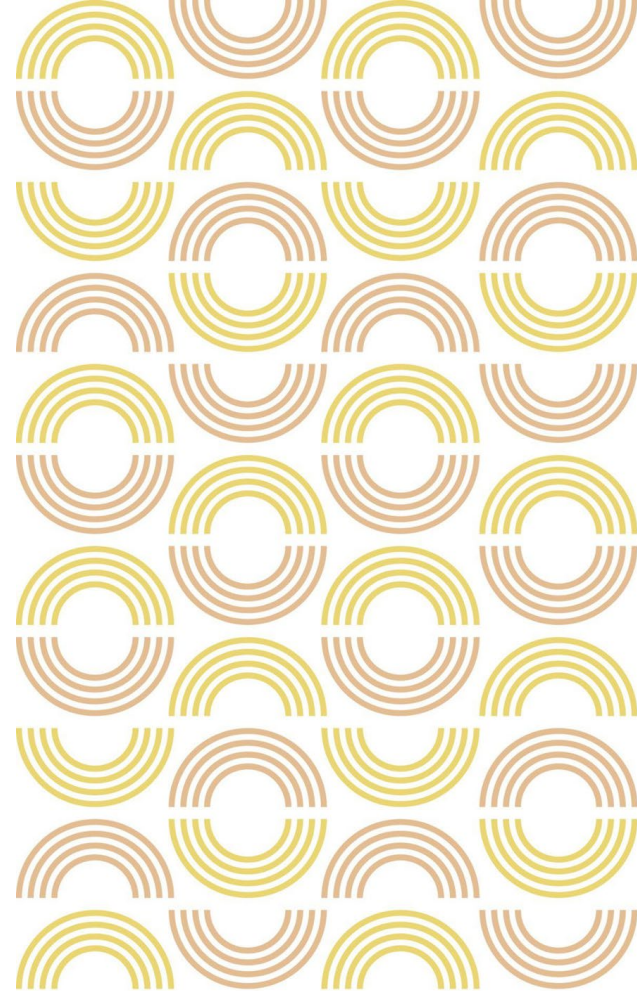
Martina Laubertova

Technical university of Kosice



This project has received funding from the European Union's Horizon Europe research and innovation programme, under Grant Agreement No 101059839

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Commission. Neither the European Union nor the granting authority can be held responsible for them.



## Topic(s) addressed :

- **HORIZON -CL6-2024-CircBio -02-3-two -stage: Increasing the circularity in electronics value chains**

## Other topics of interest:

- **HORIZON -CL6-2024-CircBio -02-5-two -stage: Circular design of bio -based processes and products**

## Project idea

- Research in the field of preprocessing and recycling of critical raw materials and various metal-bearing wastes (WEEE) in the extraction and recovery of critical metals from their raw materials on an experimental basis (TRL1-4) and demonstration scale (TRL 5).

## Main expertise offered / sought

- I offer expertise to participate as a Partner in a Horizon Europe Project (H2020-SC5-2016-OneStageB, Acronym: CHROMIC, Nr. 730471, Activity: SC5-13a-13b-2016)
- Analytical servis – providing XRD, XRF and AAS measurements.
- Mechanical pretreatment and study of the efficient sorting of critical raw materials (grinding, sampling, separation techniques (TRL 1-5))
- Hydrometallurgical processing of critical raw materials (classical leaching, leaching by use of ozone, ultrasound, radio waves, microwaves) (TRL 1-5)

## Contact details

- Martina Laubertova
- Technical University of Kosice; Faculty of Materials; Metallurgy and recycling; Institute of Recycling Technologies
- academic institution
- Slovakia.