

Circular economy innovations: From waste to valuable materials with EU R&I

| online webinar
| 06 June 2025 | 10:00 – 12:35



Opening

10:00 – 10:15

OPENING REMARKS

Nader AKIL | EU Business Operations Manager | PNO INNOVATION BELGIUM

01

PEACOC Project

10:15 – 10:30

PEACOC PROJECT: VALORISING EUROPEAN END-OF-LIFE RESOURCES FOR PRECIOUS METAL RECOVERY

Elisabet ANDRES GARCIA | Researcher TECNALIA

- General presentation of the PEACOC project and results up-to-date

02

NOVA Process

10:30 – 10:45

CHANNELING METALS OF LOW GRADE PCBAs TO THE RIGHT METALLURGY: THE NOVA PROCESS

Paul ANDRE | R&D Engineer | GEMME, UNIVERSITY OF LIEGE

03

Magnetic Density Separation

10:45 – 11:00

MAGNETIC DENSITY SEPARATION [MDS] AND OTHER RECYCLING OPERATIONS

Hongli SU | Postdoc | DEPARTMENT OF ENGINEERING STRUCTURES, FACULTY OF CIVIL ENGINEERING & GEOSCIENCE | DELFT UNIVERSITY OF TECHNOLOGY

04

Microwave-assisted leaching

11:00 - 11:15

MICROWAVE-ASSISTED LEACHING [MWAL] OF PRECIOUS METALS FROM END OF LIFE PRODUCTS - EU H2020 PEACOC PROJECT

Frantisek KUKURUGYA | Researcher Waste Recycling Technology Team | VITO



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 958302.

05

GAS-DIFFUSION ELECTROCRYSTALLISATION

11:15 - 11:30

**GDEX: A SELECTIVE ELECTROCHEMICAL ROUTE FOR RECOVERING
PRECIOUS METALS AND OTHER CRITICAL RAW MATERIALS**

Omar MARTÍNEZ MORA | Researcher Electrochemistry Team | VITO

06

PEACOC PILOT

11:30 - 11:45

**PEACOC PILOT: OPPORTUNITIES AND CHALLENGES FOR THE RECOVERY
OF CRITICAL AND STRATEGIC RAW MATERIALS FROM SECONDARY
SOURCES**

Iakovos YAKOUMIS | Founder & CEO | MONOLITHOS CATALYSTS & RECYCLING

07

CIRCULAR ECONOMY BUSINESS MODELS

11:45 – 12:00

**CIRCULAR ECONOMY BUSINESS MODELS AND THEIR IMPACT ON CRITICAL
RAW MATERIALS AVAILABILITY**

Bernd KOPACEK | Managing Director of THE AUSTRIAN SOCIETY FOR SYSTEMS
ENGINEERING AND AUTOMATION IN VIENNA [SAT] & Founder | ISL

08

FUNDING SCHEMES

12:00 - 12:15

FUNDING SCHEMES FOR CIRCULAR ECONOMY INITIATIVES

Nader AKIL | EU Business Operations Manager | PNO INNOVATION BELGIUM

- Mapping the funding schemes best suited for circular economy initiatives

09

Q&A SESSION

12:15 - 12:30

OPEN DISCUSSIONS ON THE CIRCULAR ECONOMY TOPIC

- Speakers will answer questions addressed by attendees in the chat

CLOSING REMARKS

12:30 – 12:35