

# Workshop series

RETHINKING RAW MATERIALS  
FOR THE PROMOTION OF EU  
INDEPENDENCE



10-11 December 2024



3 sessions



Marivaux Hotel, Brussels

Discover the EU potential and become part of the current initiatives and stakeholders on sustainable practices for enhancing regional and global value chains

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Organised by:

**ICAMCYL**

Centro internacional de materiales avanzados y materias primas  
International center for advanced materials and raw materials



# Session 1

## Progressing in magnet solutions: REE-Free innovations for a circular future

### AGENDA

- 10:00** Welcome and Introduction
- 10:15** The future of magnet production: Material alternatives (MnAlC, Improved ferrites). **IMDEA**
- 10:45** Achieving UE independence with REE free-based magnets. **IMDEA**
- 11:15** Coffee break and networking
- 11:45** Driving electrical mobility with sustainable magnet solutions. **Yiannis Paphidis, MagNEO project**
- 12:15** The future of circular economy in a changing world. **Carlo Burkhardt, Pforzheim University**
- 12:45** Walking lunch & matchmaking



10 December



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*Travelling towards a greener, more sustainable and engaged Europe*



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101003914



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# Session 2

## Driving the future forward: critical raw materials for a more sustainable Europe

### AGENDA

- 15:00** Exploring collaborations through the Critical Raw Materials Act. **Santiago Cuesta-López, ICAMCyL**
- 15:30** Advancing circular economy: The evolution of recycling in CRMs. **Andrea Giacomelli, Erion Compliance Organization**
- 16:00** Revival of end-of-life photovoltaic silicon through the design of high-performance Si/C composite anodes for LIBs. **Hamid Oubaha, University of Liège**
- 16:30** Leveraging Life Cycle Assessment for Sustainable Innovations in Critical Raw Materials. **Vasiliki Alexiou, MNL Innovations**
- 17:00** How R&I initiatives are working to make EU sustainable and self reliant in the supply of CRMs for the green and digital transition. **Stefania Vitale, ESF**
- 17:15** Conclusions and Closing Remarks

Best cases of the EU network: Insights from related projects of the group

## Sustainable CRMs4EU

*Connecting and collaborating for a resilient future: EU-funded projects unite to secure CRMs*

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# Session 3

## AGENDA

- 08:30** Registration and welcome
- 09:00** Building innovation ecosystems for sustainable growth. **Mariyana Hamanova, Cleantech Bulgaria**
- 09:20** Circular economy and the challenge of sustainable resource management. **Alicia Valero, CIRCE**
- 09:40** How can regional and global value chains be interconnected? **European Commission-TBC**
- 10:00** Coffee break and networking
- 10:20** Boosting resilient innovation ecosystems for EU value chains. **Emmanuel Boudard, N-ABLE**
- 10:40** Pitching Session - Sustainable mobility & batteries (10' per company)
- 12:30** Conclusions and closure of the session

*A fast track to the global sustainability agenda through the resilience and sustainability of the EU regions*



## Joint action for the regional and global value chains



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