



CIRSET 2025

FROM EARTH TO ESSENCE

International Congress on Raw Materials
Management, Sobriety and Biodiversity



Join us as we shape new ways of producing, consuming, and innovating that align with the needs of both people and the planet.



KEY TOPICS

- ✦ Circular Economy
- ✦ Responsible consumption
- ✦ Biodiversity preservation
- ✦ Resource management
- ✦ Recycling

THE CONGRESS

As climate change and biodiversity loss accelerate, CIRSET2025 invites us to rethink economic models within planetary boundaries. Together, we will explore practical solutions — from improved recycling techniques and alternative materials to strategies that reduce environmental pressures.

WHEN?

16 and 17 October 2025

WHERE?

Muséum-Aquarium of Nancy,
34 Rue Sainte-Catherine,
54000 Nancy, France

HOW TO REGISTER?

Free Registration here:

<https://forms.gle/4ToAHR8cWMD4t2Fd7>





16 OCTOBER (DAY 1)

	9.30	Welcoming speech, POLARIS and SIRIUS	Alexandre Chagnes, Blaise Cavalli, Olga Chernoburova
SOBRIETY	10.00	Law and Sobriety: what can be expected from Legal Innovations	Samuel Ferey, University of Lorraine
	10.30	Digital sobriety: reducing the environmental impact of digital technologies in public administration	Thierry Lochon, Ministère de la Transition écologique
	11.00	Keeping batteries honest	Jacqueline Edge, Imperial College London
CE	11.30	From industrial circular economy to performance-based economy	François-Michel Lambert, SOROA, AIFREC
	12.00	Lunch break	
CIRCULAR ECONOMY	14.00	Circular Manufacturing Systems: from concept to a maturing research domain	Amir Rashid, KTH Royal Institute of Technology
	14.30	Engineering circular battery systems with a data-driven approach	Rodrigo Serna, Aalto University
	15.00	Sobriety at the heart of tomorrow's sustainable busi- ness models: Dream or nightmare?	Sebastien Liarte, University of Lorraine
	15.30	Coffee break	
VALUE CHAINS	16.00	Design and Orchestration of Regeneration Ecosystems: Systems Approaches for Circular Value Chains	Pascale Marangé, University of Lorraine
	16.30	Established or Emerging Process? LCA Based on the Process Simulation of Battery-Grade Nickel Sulfate Production	Aina Mas Fons, BRGM
	17.00	Critical Minerals, Critical Myths: Why the Energy Transition Needs More Brains Than Batteries	Jean Paul de Mussy, European Lithium Institute
	20.30	Cocktail	



17 OCTOBER (DAY 2)

BIODIVERSITY	9.30	Toxic Tech: Evaluating the Environmental Footprint of E-Waste in Aquatic Ecosystems	Rosa Freitas, University of Aveiro
	10.00	Understanding the connection between biodiversity and electric vehicles to ensure a responsible energy transition	Shyam Sharma, Imperial College London
RESPONSIBLE RESOURCE MANAGEMENT	10.30	Minerals for the energy transition : Energy Transition and Critical Materials: Dependency, Efficiency, and Recycling	Marie Sauze, ADEME
	11.00	Critical minerals and industrialization: How the energy transition is reshaping resources and global production networks	Marie Forget, University Savoie Mont Blanc
WATER QUALITY	11.30	Isotope tracing of lithium contamination and its environmental impact	Nathalie Vigier, Sorbonne University
	12.00	Lunch break	
RECYCLING	14.00	Recycling of Li-ion Batteries: Versatile Chemistry, Challenges, and Potential Solutions	Sadia Ilias, Luleå University of Technology
	14.30	Optimizing Lithium Recovery: The Synergy of Electrodi- alysis and Organic Acids in Battery Recycling Processes	Alexandre Chagnes, University of Lorraine
	15.00	Crystallization of battery precursors and opportunities for circularity	Kerstin Forsberg, KTH Royal Institute of Technology
	15.30	Coffee break	
CE	16.00	Circular Partnerships for optimized research management	Mats Linder, Stena Recycling