

PROGRAMME

Day 1, Tuesday, 19 September 2023

Session	Time	Speaker	Title
	9h00	Alexandre Chagnes	Welcoming speech and practical information
Socio-economic impact	9h20	Michel Cathelineau	The challenges of the energy transition: the transverse vision of the RESSOURCES21 LabEx
	9h40	Rajapandian Rajagopal	The EU's battery recycling needs and opportunities
	10h00	Justo Garcia	Battery recycling, an energy transition challenge for Europe
<i>10h20-10h40</i>		<i>Coffee break</i>	
Geosciences	10h40	Patrick Fullenwarth	Exploration in Beauvoir, France: Imerys to become a major player in the European lithium market
	11h00	Cécile Fabre	Advanced characterization methods for light elements
	11h20	António Mateus	Lithium and rare metal granites in Portugal
	11h40	Marie-Christine Boiron	Lithium enrichment from brines in sedimentary basins : A focus on the Rhine graben
<i>12h00-14h00</i>		<i>Lunch</i>	
Geosciences	14h00	Romain Millot	Geothermal lithium in Alsace at the heart of the energy transition
	14h20	Lydéric France	New constraints on carbonatites formation, the main REE deposits: A journey in the Oldoinyo Lengai volcano plumbing system
	14h40	Fabrice Golfier	Contribution of Reactive Transport Modelling to the Understanding of Nickel ore deposits in New Caledonia
	15h00	Christophe Ballouard	A cannibalistic origin for rare-metal granites? Insights from the Velay anatectic dome (Variscan French Massif Central)
<i>15h20-15h40</i>		<i>Coffee break</i>	
Transversal	15h40	Mathias Dantin	Decarbonation & sovereignty - Key drivers and changes observed from a legal standpoint
Extractive metallurgy	16h00	Kerstin Forsberg	Hydrometallurgical processing of rare earth elements
	16h20	Zubin Arora	Influence of bio-diluents on the extraction of metals using hydrometallurgy in battery recycling
	16h40	Kerstin Forsberg	In-line gallium processing from bauxite residues for e-mobility applications: the EIT VALORE Project
	17h00	Lisa Robillard	European funding opportunities in 'Climat, Energy and Mobility' (Cluster 5, Horizon Europe)
	17h20	Flash presentations	
	<i>18h30</i>	<i>Cocktail</i>	

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Flash presentations			
Session	Time	Speaker	Title
Geosciences	17h20	Steven Kahou	Quantitative mineralogy of the Beauvoir granite and characterization of the metal-bearing minerals
Extractive metallurgy	17h25	Allen Yushark Fosu	Advanced chloride route for lithium extraction from spodumene
	17h30	Sara El Hakim	Development of a new technique for the extraction of lithium from lithiniferous minerals through the use of supercritical fluids
Recycling	17h35	Laurence Muhr	Lithium-ion battery recycling: selective lithium recovery from cathode materials combining ion-exchange and electro dialysis processes
	17h40	Stiven Lopez Guzman	Pathways for direct recycling of high-voltage cathode materials
	17h45	Joshua Vauloup	Cobalt extraction from spent LIBs cathode materials: Mechanochemical reduction and magnetic separation of Cobalt from LiCoO_2
	17h50	Pierric Hubert	Leaching of mixed-cathode materials from lithium ion batteries
	17h55	Nicolas Stankovic	Pyrometallurgical treatment of permanent magnets to recover rare earth elements by using liquid magnesium
Transversal	18h00	Alaa Shqairat	The EU regulations of Lithium-ion batteries from electric vehicles
Environment	18h05	Eric van Hullebusch	Potential use of siderophores as bacterially produced biomolecules for the selective extraction of critical elements from solid waste streams
	18h10	Ly Serigne	Physiological response in relation to nickel hyperaccumulation in <i>Bornmuellera emarginata</i> cultivated in hydroponics over a nickel gradient
	18h15	Nicolas Fierling	Impact of lithium on the eukaryotic model <i>Saccharomyces cerevisiae</i>
	18h20	Clement Layet	Exploration and bioleaching of rare earth elements in Lorraine

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Day 2, Wednesday, 20 September 2023

Session	Time	Speaker	Title
Extractive metallurgy	9h00	Laurent Joncourt	Eramet Sonic Bay: a major project to produce battery grade salts
	9h20	Fabien Burdet	Centenario-Ratones lithium project of Eramet
	9h40	Guillaume de Souza	Direct Lithium Extraction, a way for sustainability in lithium brine mining?
	10h00	Alexandre Chagnes	Chloride chemistry to recycle Lithium-ion batteries
<i>10h20-10h40</i>		<i>Coffee break</i>	
Extractive metallurgy	10h40	Jason Love	Sustainable rare-earth separations by supramolecular precipitation
	11h00	Virginie Nachbaur	Solvothermal Recycling Processes of REE magnets and Li-ion batteries
Transversal	11h20	Patrick d'Hugues	From criticality analysis and policy support to responsible supply of mineral resources: challenges and actions
	11h40	Wu Chen	Material demand for sustainable transportation transitions and potential supply risks
<i>12h00-14h00</i>		<i>Lunch</i>	
Recycling	14h00	Mahmood Alemrajabi	Lithium-ion battery recycling: today and future technologies
	14h20	Bart Verrecht	Towards sustainable battery recycling
	14h40	Shabnam Gholamifard	Veolia-Sarpi hydrometallurgical process : a new vision of electric vehicle battery recycling, an innovative approach
	15h00	David Bastin	Electro-hydraulic delamination of end-of-life electrodes of Li-ion batteries
	15h20	Julien Leclaire	Metal & Carbon Waste Recycling (MeCaWaRe): a game-changing eco2-efficient recycling technology for Li-ion batteries
<i>15h40-16h00</i>		<i>Coffee break</i>	
Environment	16h00	Jean-Louis Morel	Ecological restoration of rare earth mine sites
	16h20	Damien Blaudez	Multi-scale analysis for deciphering the impacts of Rare Earth Elements on microorganisms and plants
	16h40	Marie-Odile Simonnot	Biosourced nickel as raw material for electric vehicles
	17h00	Clémence Siret	How do we measure and minimise the environmental footprint of Li-ion batteries?