

Raw Materials Week

14-18 November 2022



14th EU-US-JP-AU-CA Conference on Critical Materials and Minerals

Technical experts' conference

14 November 2022

Le Plaza Hotel Brussels – Theatre room
Bld Adolphe Max 118-126, 1000 Brussels

10:00-10:10	Mr. Joaquim NUNES DE ALMEIDA , Director, Ecosystems IV: Mobility and Energy Intensive Industries, DG GROW, European Commission	Welcome and opening remarks
10:10-11:00 Session 1: Approaches to reduce criticality and supply risks in a new geopolitical context, chaired by Mr. Peter Handley , Head of Unit, Energy Intensive Industries - Raw Materials, DG GROW, European Commission, EU		
	Dr. Peter Buchholz , Director, DERA at BGR, Germany (EU)	Mitigation strategies of companies to secure supply chains.
	Ms. Allison Britt , Director, Geoscience Australia	The role for government science in diversifying critical mineral supply chains
	Dr. Grant Bromhal , Acting Director, Minerals Sustainability Division, U.S. Department of Energy	Mining Innovations for Negative Emissions Resource Recovery
11:15-11:30	Questions and Answers	
11:00-11:30	Coffee break	
11:30-12:30 Session 2: Circular economy technologies and models, chaired by Dr Chris Golding , Manager, Critical Minerals Office, Department of Industry, Science and Resources, Australia		
	Dr. Yumi Katasho , Researcher, AIST, Japan	Separation and recovery of neodymium and dysprosium from spent magnets using molten salt and alloy diaphragms.
	Dr. Grant Bromhal , Acting Director, Minerals Sustainability Division, U.S. Department of Energy	Rare earths and critical minerals from secondary and unconventional sources.
	Dr. Stéphane Bourg , Director, OFREMI, France (EU)	How could new mobility circular economy models impact the critical raw materials demand in 2050?
12:15-12:30	Questions and Answers	
12:30-14:00	Lunch	

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14:00-15:00 Session 3: International standards for critical materials, chaired by Mr. Luc Leboeuf, Director, International Affairs and Trade Division, Canada	
Ms. Karen Batt , Head of International Standards Australia	<i>Building consensus on critical minerals standardization at ISO</i>
Ms. Katherine Gosselin , Director, Mining Association of Canada	<i>Toward Sustainable Mining: a global standard for mining sustainability</i>
Ms. Alessandra Hool , CEO, ESM Foundation, Switzerland	<i>Certified trainings for raw material risk management</i>
14:45-15:00	Questions and Answers
15:00-16:00 Session 4: Approaches to maintain a sustainable flow of critical materials, chaired by Kotaro Shimizu, General Manager, Chief Analyst, Mitsubishi UFJ Research and Consulting, Japan	
Mr. Kotaro Shimizu , General Manager, Chief Analyst, Mitsubishi UFJ Research and Consulting, Japan	<i>Approaches to maintain a sustainable flow of critical materials</i>
Dr. Roland Gauß , Head of Innovation and Business Intelligence, EIT RawMaterials	<i>Innovation trends in optimizing the use of Critical Raw Materials for the twin green and digital transition</i>
15:45-16:00	Questions and Answers
16:00-16:30 Coffee break	
16:30-17:30 Session 5: Critical Materials and Clean Energy Deployment, chaired by Julie Cerqueira, Principal Deputy Assistant Secretary (PDAS), Department of Energy, Office of International Affairs, United States	
Dr. Katsunori Yamaguchi , Professor, Waseda University, Japan	<i>Recycling of rare-earth metals from motor magnets for electric vehicles</i>
Dr. Luis Tercero Espinoza , Coordinator of Business Unit Raw Materials, Fraunhofer ISI, Germany (EU)	<i>A tool for quantifying raw material requirements and environmental impacts of the German energy transition</i>
Dr. William 'Iam' Gaieck , Science and Technology Policy Fellow, Advanced Materials and Manufacturing, U.S. Department of Energy	<i>Critical materials for electric vehicles and renewable energies</i>
17:15-17:30	Questions and Answers
17:30-17:40	Closing remarks – Dr. Chris Golding, Critical Minerals Office, Department of Industry, Science and Resources, Australia (next year host)