



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



CRITICAL RAW MATERIALS FOR SAFE AND RESILIENT EUROPE SUMMER SCHOOL

3-7 June, 2024
Hotel Venezia, Caorle (VE)

Registration form:
bit.ly/summerschoolCRM

QR CODE



INFO
cewms@dicea.unipd.it

SUPPORTED BY:

PHD COURSE IN "SCIENCES OF CIVIL, ENVIRONMENTAL
AND ARCHITECTURAL ENGINEERING" AND THE NATIONAL
PHD COURSE IN "SCIENTIFIC, TECHNOLOGICAL AND
SOCIAL METHODS ENABLING CIRCULAR ECONOMY" OF
THE UNIVERSITY OF PADOVA



CRITICAL RAW MATERIALS FOR SAFE AND RESILIENT EUROPE SUMMER SCHOOL PROGRAMME

	Monday June 3	Tuesday June 4	Wednesday June 5	Thursday June 6	Friday June 7
9.00- 10.00		<p>Bernardo Cortese (University of Padova- Italy)</p> <p>Introduction to the EU CRMA, its meaning in the overall EU legislative and regulatory framework and its foreseeable impact on EU industrial policies</p>	<p><i>Case Study</i></p> <p>Manuele Dabalà (University of Padova- Italy)</p> <p>Technologies for the recovery of critical and strategic metals from EoL PV panels</p>	<p><i>Circular Economy and Tools</i></p> <p>Gabriella Salviulo (University of Padova- Italy)</p> <p>CRM and human rights</p>	
10.00- 11.00		<p>Eleonora Di Maria (University of Padova- Italy)</p> <p>Supply chain of CRM</p>	<p><i>Case Study</i></p> <p>Fabrizio Nestola (University of Padova- Italy)</p> <p>Lithium in sea and continental waters: monitoring and analysis</p>	<p><i>Circular Economy and Tools</i></p> <p>Maria Cristina Lavagnolo (University of Padova- Italy)</p> <p>Urban Mining and Industrial Symbiosis for CRM</p>	<p>Visit to the Museo della Natura e dell'Uomo in Padova (to be confirmed)</p>
		COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	
11.30- 13.00		<p><i>Case Study</i></p> <p>Andrea Goffi (RMB - Italy)</p> <p>Separation and selection of metals from waste</p>	<p><i>Case Study</i></p> <p>Vito Di Noto (University of Padova- Italy)</p> <p>Electrochemical energy conversion and storage devices: reuse and recycling of CRMs</p>	<p><i>Workshop</i></p> <p>Christoph Roehlich (Heraeus - Germany)</p> <p>Precious metal recycling</p>	
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	Monday June 3	Tuesday June 4	Wednesday June 5	Thursday June 6	Friday June 7
15.00-16.30	<p>Silvia Gross (University of Padova - Italy)</p> <p>Introduction to Critical and Strategic Raw Materials</p>	<p><i>Case Study</i></p> <p>Luz Marina Ruiz (University of Granada - Spain)</p> <p>Saving critical raw materials thanks to the reconditioning, reuse and recycling of e-waste</p>	<p><i>Workshop</i></p> <p>Emanuel Ionescu (Fraunhofer IWKS - Germany)</p> <p>Sustainable Materials Development for the Energy Transition</p>	<p><i>Circular Economy and Tools</i></p> <p>Alessandra Bonoli (University of Bologna - Italy)</p> <p>The Life Cycle Assessment approach in Critical Raw Materials recovery and recycling</p>	
	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	
17.00-18.00	<p>Matteo Ardit (University of Padova - Italy)</p> <p>Mining of CRM</p>	<p><i>Case Study</i></p> <p>Franco Bonollo (University of Padova - Italy)</p> <p>Aluminium alloys with minimum CRM content by composition design and recycling</p>	<p><i>Workshop</i></p> <p>Michaela Schicho (Fraunhofer ISI - Germany)</p> <p>Critical raw materials for the green energy transition</p>	<p><i>Circular Economy and Tools</i></p> <p>Enrico Rubaltelli (University of Padova - Italy)</p> <p>CRM, psychology, and policy making for a resilient Europe: How to bring the citizens onboard</p>	
18.00-19.00	<p>Antonio Cavallin Toscani (University of Padova - Italy)</p> <p>Which circularity strategy for CRM-containing products: change the product design, the business model, or both?</p>	<p><i>Case Study</i></p> <p>Mauro Carraro (University of Padova - Italy)</p> <p>DES for CRM recovery</p>			

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