



JRC / HaDEA Technical Workshop

“Channeling knowledge from European projects into the Raw Materials Information System (RMIS)”

Focus on critical, strategic & advanced materials

Hybrid event, November 23rd and 24th, 2023

Physical meeting room: bdg 101, room 1302

Context, goal & scope

Minerals and metals intelligence is increasingly vital. In the context of the revamped RMIS, this workshop continues the well-established and essential annual dialogue between the EC, HaDEA, EIT Raw Materials and EU-funded projects in relation to current project outputs and further knowledge developments of mutual interest.

In March 2023, the EC proposed the CRM Act. The Act emphasises specific groups of materials that the EC considers fundamental for sustainable, circular and solid societal development. These include not only Critical Raw Materials (CRM), but also Strategic and Advanced materials. The Act highlights the necessity for knowledge in relation to raw materials demand as well as supply associated with value chains, supply risks, foresight circularity, and the product environmental footprint; amongst others.

The EC’s RMIS supports the availability, coherence and coordination of raw materials intelligence at the EU level. Acting together, core raw materials knowledge in the RMIS comes from a variety of sources, including from EC in-house work, Horizon projects, as well as EIT-RM projects. On March 14th, the EC also released a new version of the RMIS, the so-called [RMIS 3.0](#) – a major revamp. RMIS 3.0 includes a newly designed homepage and more powerful and intuitive search functionalities. Content is re-grouped into a wide number of “topics” accessible from a dedicated tab in the upper menu. This includes, for example, topics more clearly focused on demand from different value chains, current and future, as well as analyses of supply including from recycling.

A special additional focus on Advanced Materials is foreseen this year. As underlined in the Materials 2030 Manifesto¹, to remain competitive and meet citizens’ needs for high-performance sustainable products and services, Europe needs “a systemic approach to develop the next generation solution-oriented advanced materials which will offer faster, scalable, and efficient responses to the challenges and thus turn them into opportunities for Europe’s society, economy, and environment today and in the future”. This is expected to help to build a strong European Materials ecosystem enabling the green and digital transition, as well as a sustainable inclusive European society through a systemic collaboration of all stakeholders, including developers, users and citizens as well.

This 2023 edition of the RMIS workshop brings together key stakeholders and contributors to help identify the most relevant raw materials knowledge outputs from EU funded projects that can factually support this transition, as well as to facilitate the integration of such outputs into the RMIS, towards increasing their visibility and relevance for policy and community support. Considering the above focus areas, participants will discuss:

- How to facilitate technical dialogue (both IT and content-wise) for efficient knowledge transfer (day 1);
- How to increase awareness of project outputs and how best these can support identified policy priorities through RMIS (day 1);
- How knowledge developed by the EC and its knowledge network support the strengthening of the underlying raw materials knowledge (day 2).

¹ https://ec.europa.eu/info/sites/default/files/research_and_innovation/research_by_area/document_s/advanced-materials-2030-manifesto.pdf

Agenda

23rd November 2023, Thursday (day 1)		
Focus on knowledge from EU-funded projects on Critical, Strategic, Advanced materials		
09:00 – 10:30	Session 1: workshop opening & keynotes (Part 1) (Chaired by David Pennington, Land Resources & Supply Chain Assessments, JRC.D3) Presentations by (ca.7-8 min. per speaker):	
	Workshop opening & welcome	Alan Belward, deputy Director, Sustainable Resources, JRC.D
	Workshop goal & scope	Simone Manfredi, Land Resources & Supply Chain Assessments, JRC.D3
	Keynote from workshop co-host – Overview of Horizon calls on raw materials and advanced materials	Victoria Petrova, HoU, Industry Unit, HaDEA.B3
	Keynote – Policy overview & emerging knowledge needs related to the Critical Raw Materials Act	Madalina IVANICA, dHoU & Milan Grohol, Energy Intensive Industries, Raw Materials, Hydrogen, GROW.I1
	Keynote – The envisaged coordinated plan on advanced materials (state of play)	Jurgen Tiedje, HoU, Industrial Transformation Unit, RTD.E3
	Keynote – Policy overview & emerging knowledge needs in the context of advanced, strategic and critical materials	Cecile Billaux, HoU, Micro-economic Analysis, Investment Climate, Private Sector, Trade & Employment Unit, DG INTPA.E2
	Keynote – Policy overview & trade-related knowledge needs in the context of advanced, strategic and critical materials	Peter Kovacs, HoU, Industry, Goods, Energy, Customs & Origin Unit, DG TRADE.E3
10:30 – 11:00	Coffee break	
11:00 – 11:40	Session 1: workshop opening & keynotes (Part 2) (Chaired by Victoria Petrova, HoU, Industry Unit, HaDEA.B3) Presentations by (ca. 7-8 min. per speaker):	
	Keynote – The crucial role of a Geological Service for Europe in supporting the EU’s critical and strategic materials knowledge needs	Julie Hollis, Secretary General, EuroGeoSurveys, the Geological Surveys of Europe
	Keynote – Overview of EIT RawMaterials activities in the context of advanced/critical/strategic materials	Stefano Arciprete, Outreach Manager, EIT RawMaterials
	Keynote – Overview of United Nations Framework Classification for Resources (UNFC) related initiatives in the context of strategic and critical materials in Europe	Slavko Solar, Economic Affairs Officer, Sustainable Energy Division, United Nations Economic Commission for Europe (UNECE)
11:40 – 12:00	Session 2: RMIS overview and technical guidelines for integration of projects’ outputs (Chaired by Simone Manfredi, Land Resources & Supply Chain Assessments, JRC.D3)	
	The Raw Materials Information System (RMIS): role of EU-funded projects in facilitating knowledge & intelligence needs	Simone Manfredi, JRC.D3
	Technical guidelines on integration of knowledge outputs into the RMIS	Theodor Ciuta, JRC.D3
12:00 – 13:30	Lunch break	

13:30 – 14:45	<u>Session 3: Building on knowledge from EU funded projects – bringing Advanced materials into RMIS</u> (Chaired by George Kotsikos, HaDEA.B3) Presentations by (ca. 10 min. per project):	
	Member States partnership on advanced materials (M-ERA-NET 3)	Roland Brandenburg
	Advanced Materials Initiative - AMI2030	Philippe Jacques
	SUN-PILOT	Parvaneh Mokarian
	FAST-SMART	Maddalena Rostagno
	MONAMIX (ERA-MIN)	Radu-Robert Piticescu
	CIDER (ERA-MIN)	Violetta Shumm
14:45 – 15:15	Coffee break	
15:15– 16:30	<u>Session 4: Building on knowledge from EU funded projects – focus on Critical/Strategic materials</u> (Chaired by Laura Petrov, HaDEA.B3) Presentations by (ca. 7-8 min. per project)	
	SCRREEN2	Marie Bouvet
	ERA-MIN 3	Dina Carrilho
	PROPER (ERA-MIN)	Stephanie Muller
	MaXycle (ERA-MIN)	Spomenka Kobe
	SUSMAGPRO	Carlo Burkhardt
	ROTATE	Dimitrios Pantelakis
	BATRAW	Christophe Aucher
16:30 – 16:50	Discussion, Question & Answers (All participants, moderated by David Pennington & Fernando Coelho, JRC.D3)	
16:50 – 17:00	Day 1 wrap-up , David Pennington, JRC.D3	

24th November 2023, Friday (day 2)	
Focus on knowledge from EC/JRC & RMIS knowledge network	
9.00 – 10.45	<p><u>Opening of workshop day 2: overview & objectives</u></p> <p><u>Alessandra Zampieri</u>, Director Sustainable Resources, JRC.D</p>
	<p><u>Session 5: Further strengthening the EU Raw Materials knowledge base through RMIS and its knowledge network</u></p> <p>(Chaired by Fabrice Mathieux, JRC.D3)</p> <p>Presentations by (ca. 7-8 min. per speaker):</p>
	<p><u>Raw Materials Information System (RMIS): overview, context & latest developments</u></p> <p>Simone Manfredi, JRC.D3</p>
	<p><u>From RMIS dataset to tailored policy support: the example of the battery regulation</u></p> <p>Fabrice Mathieux, JRC.D3</p>
	<p><u>Supply chain analysis and material demand forecast in strategic technologies and sectors in the EU – A foresight study</u></p> <p>Samuel Carrara, JRC.C7</p>
	<p><u>BounCE4ward project – Current and future work, and possible contribution to RMIS</u></p> <p>Paola Albizzati, JRC.S4</p>
	<p><u>JRC support to the Chips Act (P3)</u></p> <p>Michela Nardo, JRC.B1</p>
	<p><u>Declaration of Carbon footprint of products: building on the Battery Regulation experience</u></p> <p>Fulvio Ardente, JRC.D3</p>
<p><u>Environmental impacts of supply chain disruptions (based on ongoing EEA/ETC-JRC project)</u></p> <p>Peder Jensen, European Environment Agency (EEA) & Shahrzad Manoochehri, European Topic Centre (ETC) of the EEA</p>	
10.45 – 11.15	Coffee break
11.15 – 12.15	<p><u>Session 6: Focus on Africa</u></p> <p>(Chaired by Elisabetta Sartorel, DG INTPA.E2)</p> <p>Presentations by (ca. 10 min. per speaker):</p>
	<p><u>The Strategic Partnerships on Sustainable Raw Materials Value Chains - DG INTPA's perspective</u></p> <p>Elisabetta Sartorel, DG INTPA.E2</p>
	<p><u>JRC's Africa Knowledge Platform (AKP)</u></p> <p>Luca Battistella, JRC.D6</p>
	<p>RMIS Extra-EU Country Profiles – Africa (live demo)</p> <p>Manuela Unguru, JRC.D3</p>
	<p><u>Greening mining sites in DRC: A Solar PV perspective for community-based energy</u></p> <p>Sandor Szabo & Magda Moner, JRC.C2</p>
<p><u>AfricaMaVal Project</u></p> <p>Jean-Claude Guillaneau</p>	
12.15 – 12.45	<p>Discussion, Question & Answers</p> <p>(All participants, moderated by David Pennington, JRC.D3)</p>
12.45 – 13.00	<p>Day 2 wrap-up / Workshop conclusion & final remarks</p> <ul style="list-style-type: none"> • Victoria Petrova, HaDEA.B3 • Serenella Sala, HoU JRC.D3
End of event / Lunch	