



JRC / HaDEA Technical Workshop

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

*Focus on sustainable, circular and secure value chains*

Online event, 14<sup>th</sup> October 2022

### **AGENDA**

<b>14<sup>th</sup> October 2022, Friday</b>		
<b>09:30 – 10:40</b>	<b><u>Background &amp; Context</u></b> (Chaired by Constantin CIUPAGEA, HoU Land Resources, JRC) Presentations by (ca. 8-10 min. per speaker)	
	<u>Workshop opening, objectives and structure</u>	Constantin CIUPAGEA, HoU, Land Resources Unit, JRC
	<u>Keynote - Overview of Horizon 2020 &amp; Horizon Europe raw materials calls</u>	Victoria PETROVA, HoU, Industry Unit, HaDEA
	<u>Keynote - Overview of EIT RawMaterials activities &amp; projects relevant for the RMIS</u>	Ignacio CALLEJA, Senior Advisor, EIT Raw Materials
	<u>Keynote - Latest EEA work on circular and sustainable resource management</u>	Peder JENSEN, European Environment Agency (EEA)
	<u>Keynote – Overview of EEA/JRC collaboration project on raw materials</u>	Philip NUSS, German Environment Agency (UBA)
<b>10:40 – 11:20</b>	<b><u>RMIS overview and technical guidelines for integration of projects' outputs</u></b> (Chaired by Simone MANFREDI, JRC)	
	<u>The Raw Materials Information System (RMIS): context &amp; latest developments</u>	Simone MANFREDI “Land Resources” Unit, JRC
	<u>Examples of integration into RMIS: app on batteries and on vehicles</u>	Fabrice MATHIEUX, “Land Resources” Unit, JRC
	<u>Technical guidelines on integrations of knowledge output to the RMIS</u>	Theodor CIUTA, “Land Resources” Unit, JRC

<b>11:20 – 11:30</b>	<b>Coffee break</b>	
<b>11:30 – 12:30</b>	<p><b><u>Projects' presentations of key outputs &amp; plans of knowledge transfer into the RMIS – part 1 "Towards more circular and sustainable RM value chains"</u></b></p> <p>(Chaired by Simone MANFREDI, JRC)</p> <p>Presentations by (ca. 7-8 min. per project)</p>	
	<a href="#">ORIENTING (Horizon)</a>	Marina Isasa
	<a href="#">CSyARES (EIT RM)</a>	Robert Pell
	<a href="#">PHOTORAMA (Horizon)</a>	Claudio Colletti
	<a href="#">CEWASTE (Horizon)</a>	Shahrazad Manoochehri
	<a href="#">CERA 4 in 1 (EIT RM)</a>	Lukas Förster
<b>12:30 – 13:30</b>	<b>Lunch break</b>	
<b>13:30 – 14:30</b>	<p><b><u>Projects' presentations of key outputs &amp; plans of knowledge transfer into the RMIS – part 2 "Improving efficient mining and recovery of critical/strategic materials towards greater EU security of supply"</u></b></p> <p>(Chaired by Laura PETROV, HaDEA)</p> <p>Presentations by (ca. 7-8 min. per project)</p>	
	<a href="#">BrineRIS (EIT RM)</a>	Magdalena Worsa Kozak
	<a href="#">TARANTULA (Horizon)</a>	Marta Alonso Fernández
	<a href="#">FutuRaM (Horizon)</a>	Cornelis Peter Baldé/James Horne
	<a href="#">SCANDERE (ERA-MIN3)</a>	Tomohiko Sakao
	<a href="#">ERA MIN 3 (Horizon)</a>	Dina Carrilho
<b>14:30 – 15:00</b>	<p><b><u>Discussion, Question &amp; Answers</u></b></p> <p>(All participants, moderated by David PENNINGTON, "Land Resources" Unit, JRC)</p>	
<b>15:00 – 15:15</b>	<p><b><u>Conclusions and final remarks</u></b></p> <ul style="list-style-type: none"> <li>• <b>Victoria Petrova</b>, HaDEA</li> <li>• <b>Constantin CIUPAGEA</b>, JRC</li> </ul>	

## Goal & scope

This workshop continues the well-established dialogue between the JRC, HaDEA, EIT-RM and EU-funded project consortia in relation to the further development of the EC's Raw Materials Information System (RMIS) and with a view to further strengthen the underlying European Raw Materials Knowledge Base (EURMKB).

This 2022 edition focuses on aspects related in particular to the EU security of supply for critical/strategic raw materials, as well as on the evaluation of environmental and social aspects, such as in relation to sustainability certification schemes and life-cycle impacts along specific value chains. It also focuses on knowledge that could help strengthening a more circular management of (raw)

material resources. These are key domains of today's raw materials policy and can certainly represent areas for further exchanges between the JRC RMIS team and selected project consortia.

Considering the above focus areas, participants will discuss:

- How to facilitate technical dialogue (both IT and content-wise) for efficient knowledge transfers;
- How to increase awareness of projects' outputs and how best these can support identified RMIS development priorities;
- The most relevant knowledge needs on raw material value chains (both primary and secondary).

## **Context**

The Raw Materials Information System (RMIS)<sup>1</sup> is the EC's reference knowledge platform on non-food, non-energy raw material value chains from primary to secondary sources. The RMIS provides the core basis for raw materials knowledge and analyses required to support EU policy, in particular the European Green Deal (COM(2019) 640), the 2020 Circular Economy Action Plan (COM(2020) 98) and the 'Industrial Strategy for Europe' (COM(2020) 102).

The RMIS supports EC policy needs through data management and a web interface, in particular addressing knowledge needs identified by the EC related to environmental and social sustainability (particularly climate change and responsible sourcing) and security-of-supply (supply risks/criticality, resilience). Key related considerations, hence, include e.g. member state and EU policy/governance, material stocks and flows (reserves, urban stocks, trade, production, and circularity), supply chain risks/bottlenecks, and resilience. The RMIS addresses a broad range of thematic areas that are relevant in the analyses of raw materials and their supply/value chains. Special focus is given to those value chains identified by the EC as fundamental to achieving the low carbon / digital transition and strategic autonomy of Europe. These include batteries and vehicles, ICT and electronics, space and defence, as well as energy intensive industry.

Fulfilling RMIS' development objectives related to the above areas requires extensive exchanges with key stakeholders and knowledge providers. European projects, such as Horizon 2020 projects and EIT-RM projects, are among the most important knowledge providers to the RMIS. Through the RMIS, the JRC supports mapping, structuring and making further sense of this knowledge, so that raw materials knowledge needs identified by EU policy can be met rapidly and systematically. Through the RMIS, the JRC thus also aims at ensuring coordination, coherence, and verification as far as needed and through additional products that build-on most relevant project outputs.

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<sup>1</sup> [rmis.jrc.ec.europa.eu](https://rmis.jrc.ec.europa.eu)