ORAMA & JRC RMIS Joint Workshop:
Data Optimisation for Primary & Secondary Raw Materials
Thursday 13th June 2019, Joint Research Centre, Ispra, Italy
Preceded by Dinner hosted by ORAMA on the evening of the 12th June.

The ORAMA project (Optimizing quality of information in RAw MAterial data collection across Europe) focuses on optimising data collection for primary and secondary raw materials in the Member States of the EU. A cornerstone to the EIP on Raw Materials is the development of the EU knowledge base on primary and secondary raw materials, commenced by a series of European-funded projects.

ORAMA addresses specific challenges related to data availability, geographical coverage, accessibility, standardisation, harmonisation, interoperability, quality, and thematic coverage in Member States. The project is now nearing its close and wishes to share its results and present to key stakeholders the methodologies it has developed around raw material enhancing data across Europe, using such tools as the United Nations Framework Classification system (UNFC).

The ORAMA project has close ties with the Joint Research Centre's Raw Materials Information System (RMIS). The RMIS was launched in 2015 to facilitate key information and knowledge needs of the European Commission and of the Member States on non-food, non-energy raw materials. It is Europe's principal tool for those wishing to access data on raw materials.

This workshop will focus on sharing the outcomes of the ORAMA project. During the morning session the emphasis will be on the raw material data network in the EU looking at data collection, presentation and use. In the afternoon, there will be parallel workshops dedicated to introducing the detailed results and guidance for primary and secondary raw materials data. The programme will be split by a lunch time poster and banner session where the results of the ORAMA research will be displayed alongside those of other stakeholders present at the event.

PRELIMINARY AGENDA

Wednesday 12th June	
19.00-22.00	**Dinner - La Scuderia, VILLA BORGHI, Piazza Borghi, 1, 21020 Varano Borghi (VA)** Hosted by the ORAMA project this will be an informal opportunity to meet with other delegates and the ORAMA and JRC teams.
Thursday 13th June	
09.00-12.00	• **ORAMA: overview, objectives, outcomes and relation to RMIS**, Perttu Mikkola, GTK • **Statistics on primary raw materials supply chains and products,** Alin Popescu, EUROSTAT tbc • **Improving environmental and material accounting towards robust supply chain and stock-flow materials databases,** Arnold Tukker, EIT PANORAMA • **The role of European Geological Surveys in data collection of raw materials**, Slavko Solar, EGS tbc • **Developments in the RMIS' commodity-specific material flow analyses (MFA)**, Cristina Torres De Matos, JRC • **Towards harmonized MFAs**, Daniel Mueller, MINFUTURE • **Recent results and future plans in the Community R&D in the secondary raw materials and circular economy domain**, Arnoldas Milukas/Marcin Sadowski, EASME
12.00	**Lunch with poster & banners session** To complement the morning session a poster and banners session will be held during lunch. Delegates are invited to display posters and banners from their own research.

14.00-17.30	**Parallel Sessions: i) Primary Raw Materials – Data harmonisation in ORAMA**
	                ii) Secondary Raw Materials – Data Harmonisation in ORAMA
	
	 i) Primary Raw Materials – Data harmonisation in ORAMA
	 This session will focus on national mineral resource data, and how the harmonisation of such data can be achieved, by using tools such as UNFC. The following topics will be covered:
	 • Resource data harmonisation for counties that have no reporting system
	 • Resource data harmonisation for counties that use Russian style reporting codes
	 • National cases studies highlighting where harmonisation has been achieved
	 • How data models and INSPIRE standards can aid harmonisation
	 • Opportunities for discussion
	
	 ii) Secondary Raw Materials – Data Harmonisation in ORAMA
	 • Background
	 • Introduction, training material and guidance for secondary raw materials:
	     o Waste Electrical & Electronic Equipment
	     o Photovoltaic Panels
	     o Batteries
	     o End of Life Vehicles
	     o Mining Waste
	 • Discussion

NB: A shuttle service will be provided between the venue and Malpensa Airport. Details will be circulated at a later date.