



**Prospecting Secondary raw
materials in the Urban mine
and Mining wastes**

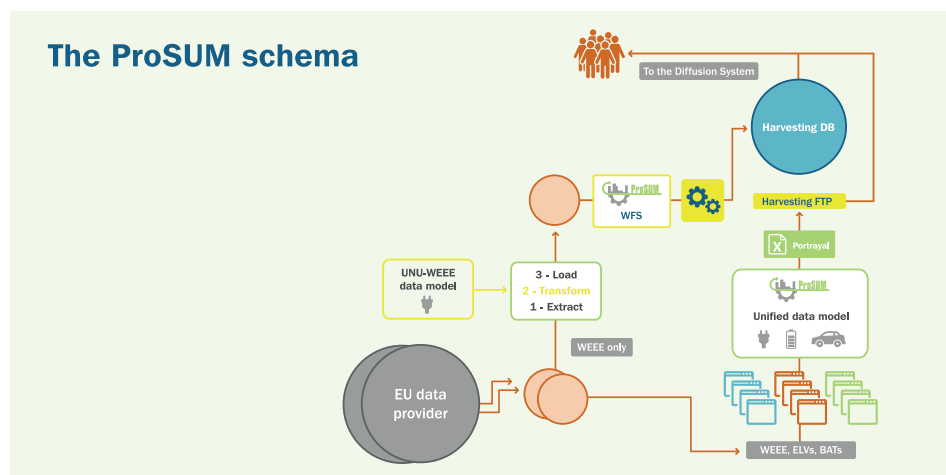
www.prosumproject.eu

PROJECT DELIVERABLES

ProSUM, Latin for **'I am useful'**, will deliver the first EU Urban Mine Knowledge Data Platform (EU-UMKDP).

- 🌐 A centralised database of all available data and information on arisings, stocks, flows and treatment of WEEE, ELVs, batteries and mining wastes.
- 🌐 Harmonised interoperable data on the nature of these wastes and the materials and elements which they contain.
- 🌐 Seamless access to primary and secondary raw materials data and intelligence for mineral resources, from extraction to end of life products, with the ability to reference all spatial and non-spatial data in one platform.
- 🌐 Protocols and methodologies to update the EU-UMKDP and to make future data comparable and interoperable.
- 🌐 Providing the foundation to improve Europe's position on raw material supply, with the ability to accommodate more wastes and resources in future.

The project is aimed at a wide range of end-users, including the recycling, minerals and metals industries, producers and producer compliance schemes, and policy makers.



BACKGROUND

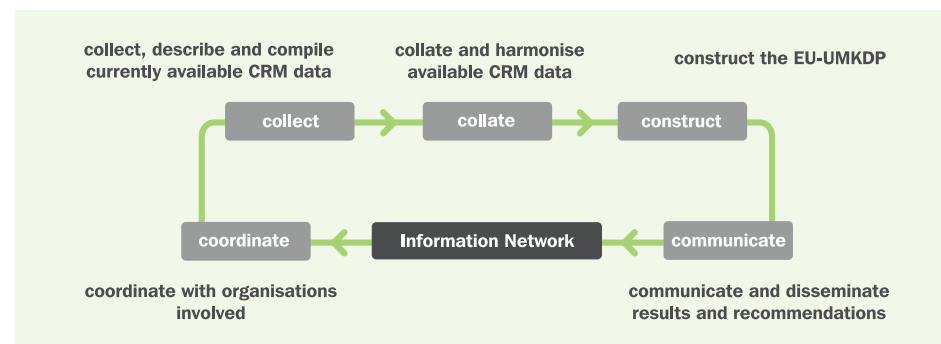
Every year in Europe, around 9m tonnes of WEEE and 7-8m tonnes of ELVs are generated, and over 1m tonnes of batteries are sold. These products are a rich source of secondary critical raw materials (CRMs) in the urban mine. For example, **99% of world Gallium consumption is in integrated circuits and electronic devices, 74% of Indium in flat panel displays and 27% of cobalt in rechargeable batteries.** Previous and active mining deposits also contain untapped reserves of CRMs.

Until now, the data on CRMs has been produced by a variety of institutions including government agencies, universities, NGOs and industry, and lies scattered in different databases, formats and reports which is difficult to compare or aggregate.

PROSUM INNOVATIONS

This ground breaking project will produce the EU-UMKDP. **For the first time, it will be possible to access data on primary and secondary raw materials in the same place.**

Given the complexity of the products and wastes in scope, it is necessary to construct detailed layers which describe how each of the products and wastes and their flows are constituted and linked together. We are developing a classification system which allows us to harmonise and classify data for products, waste streams and their composition. Our system provides correlation with published statistics and recognised classification systems e.g. PRODCOM. It allows us to take data from different sources to produce comparable and aggregated data. The data produced follows the INSPIRE Directive rules.



JOIN THE PROSUM INFORMATION NETWORK!



- 🌐 Be a part of the community
- 🌐 Participate in events
- 🌐 Get project results
- 🌐 Keep up to date
- 🌐 Access data and intelligence
- 🌐 Improve the EU knowledge base


Through the Information Network (IN) the ProSUM Consortium will communicate with a wide range of stakeholders that will benefit from the intelligence and data provided by the Project.

Do you have a special interest in WEEE, batteries, ELVs, mining wastes, sampling and analysis, or recycling?

Join one of our special interest groups (SIGs) to discuss how we can collaborate to improve knowledge, expertise and intelligence.

IN events will take place throughout the project. Check our website and LinkedIn group for upcoming events!

PROJECT PARTNERS

Project Coordinator 



Register to participate and receive updates:
www.prosumproject.eu

Get in touch:
www.prosumproject.eu/contact-us



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