The ProSUM Project

Prospecting Secondary raw materials in the Urban mine and Mining wastes

Pascal Leroy\textsuperscript{1}, Daniel Cassard\textsuperscript{2}, Sarah Downes\textsuperscript{1}, Jaco Huisman\textsuperscript{3}, Susanne Rotter\textsuperscript{4}, Patrick Wäger\textsuperscript{5} (\textsuperscript{1}WEEE Forum, Belgium; \textsuperscript{2}BRGM, Orléans Cedex 2, France; \textsuperscript{3}United Nations University, Bonn, Germany; \textsuperscript{4}Technische Universität Berlin, Department of Solid Waste Management, Germany; \textsuperscript{5}Swiss Federal Laboratories for Materials Science and Technology (Empa) St. Gallen, Switzerland)

25 October 2017
World Resources Forum
Pascal Leroy, Secretary General

This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 641999. 2015-2017
Improving the knowledge base

Recycling industry at large has insufficient intelligence about the urban mine. Improving the knowledge base is one of the key conditions for effective recycling.

Elements that affect efficiency of recycling:
- Technical recyclability
- Accessibility of components
- Economic viability
- Collection mechanism
- Entry into the recycling chain
- Optimal technical set-up adapted to product type
- Sufficient capacity
- Knowledge base
The ProSUM Unified Data Model

Achievements
Future WEEE flows

Achievements
Recommendations

- Improve characterisations of CRM content in products
- Improve characterisations of CRM content in wastes
- Improve the quantification of stocks and flows in the urban mine
- Make harmonised datasets interoperable
- Expand UMKDP to other materials/wastes
- Improve SRM/CRM recycling/recovery
Thank you

pascal.leroy@weee-forum.org

This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 641999.
Improving the knowledge base

Recycling industry at large has insufficient intelligence about the urban mine. Improving the knowledge base is one of the key conditions for effective recycling.

When? Where? What? How much? For how long?

Why