Short introduction to the ProSUM project

Brussels, 27 September 2016
Key assumptions:
The darker numbers are based on available statistics, the lighter colours, especially in the middle, are based on reasonable and cross-checked estimates. All numbers are rounded to 50 kilotons.

* WEEE = discarded waste electrical and electronic equipment or e-waste. UEEE = used EEE.
** Magalini et al., 2015: Study on collection rates of waste electrical and electronic equipment (WEEE), final report for European Commission – DG ENV. The flow includes discarded, but reusable UEEE.
*** Official reported collection from Eurostat per 1/6/2015, complemented with WEEE Forum data.
**** Waste bin data is representing different sampling years, disposal behavior assumed to remain constant.
ProSUM Consortium
EU-UMKDP
EU-UMKDP

ProSUM
Approach

Product Characterisation

Factors and trends in composition that affect the CRM content for products and components. Protocols for assessing CRM parameters in products for EEE, vehicles and batteries.

Stocks and flows

Past sales, current stocks and future waste stocks and their flows around the EU. Protocols to identify future stocks and flows.

Waste Characterisation

The CRM content of treated wastes and mining wastes. Protocols for assessing CRM parameters in wastes.

Join the Information Network!

A dynamic platform for the entire stakeholder community. Join the community of professionals working to improve data availability and the knowledge base on CRMs.

http://www.prosumproject.eu
Example: EU 2014 EEE ‘Stock’

There is ≈ 123 million tonnes in the ‘Urban Mine’! (EU28+2)
(Source: UNU)
European minerals databases

Development of a sustainable exploitation scheme for Europe's REE ore deposits

Nano-particle products from new mineral resources from Europe

Development of solutions for sustainable deep sea mining

ProMine

Web GIS technologies for the sustainable supply with Energy & Mineral Resources

EUMINET

European Minerals Information Network
Total of 180 stakeholders (July 2016)

- Academia/research institutions: 25%
- Collection and Recycling Industry: 18%
- Product manufacturing industry (incl. EPR organisations): 15%
- Geological surveys: 15%
- EC/national government: 13%
- Municipal and regional (waste) authority: 11%
- Media/NGO: 1%
- Others: 2%
- Others: 1%
Special Interest Groups in the IN

Six SIGs have been established:

- Sampling and analysis;
- Mining waste;
- ELV;
- BATT;
- Recycling and
- WEEE.
Thank you.

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