Optimizing quality of information in RAw MAterial data collection across Europe
Coordination and support action
Perttu Mikkola / Geological Survey of Finland
Partners (Bold = partner also in ProSUM)

- Geological Survey of Finland
- Bureau de Recherches Géologiques et Minières
- Chalmers Tekniska Högskola
- Geological Survey of Ireland
- EMPA - Eidgenössische Materialprüfungs- und Forschungsanstalt
- Geological Survey of Slovenia
- Geological Survey of Denmark and Greenland
- Instituto Geológico y Minero de España
- Joint Research Centre
- Mining and Geological Survey of Hungary
- British Geological Survey
- Geological Survey of Norway
- Technische Universität Berlin
- Universiteit Leiden
- United Nations University
- WEEE Forum

H2020
ORAMA’s high-level objectives

• Develop a clear strategy for improving the quality of collected raw materials (RM) data, and harmonise the data collected in accordance with the INSPIRE Directive

• Ensure and extend the sharing of RM data, information and best practices in data collection at national and EU levels
ORAMA in practise

• ORAMA is not collecting new data
• Looking for ways to improve quality, comparability and interoperability of data related to primary and secondary raw materials
• Keeping in mind: INSPIRE and development of Raw Material Information System v2.0

H2020
Clustering in ORAMA

- Both H2020-projects and others
- Systematic, early (and ongoing) identification of possible synergies
- Example: MINLAND, Linking land use planning policies to national mineral policies
  - MINLAND is a project, ORAMA has two tasks in this sector
Importance of ProSUM for ORAMA

• ProSUM and Urban Mine Knowledge Data Platform make ORAMA possible, (together with MICA & M4EU)
  • One source for multiple waste types
  • The hitherto missing sibling of Minerals Knowledge Data Platform of Minerals4EU foundation
• Also the Information network created important
ORAMA ideal

• Up-to-date information on stocks and flows **easily** available
  • Including data on land use and social aspects
• Compilations from data from multiple sources
• Primary and secondary sources from same service
• Visualization of flows as Sankey-diagrams

H2020
I’m a satisfied End User

Can also directly call a dedicated system

Ask a question
Search for an information
Answer with a smart response

Answer retrieved from the dedicated system

Query dispatched to the dedicated system

ORAMA recommendations

EU-MKDP
IKMS
EU-UMKDP
EU-CRMKDP
EU-RMICP
OTHER

ProMin-e
EuroGe oSource

NGS

Other possible databases

Eurostat