Optimizing quality of information in RAw MAterial data collection across Europe

1.12.2017 – 30.11.2019

Funding scheme: H2020 – SC5-15-2017

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

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

H2020

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

H2020

ORAMA

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

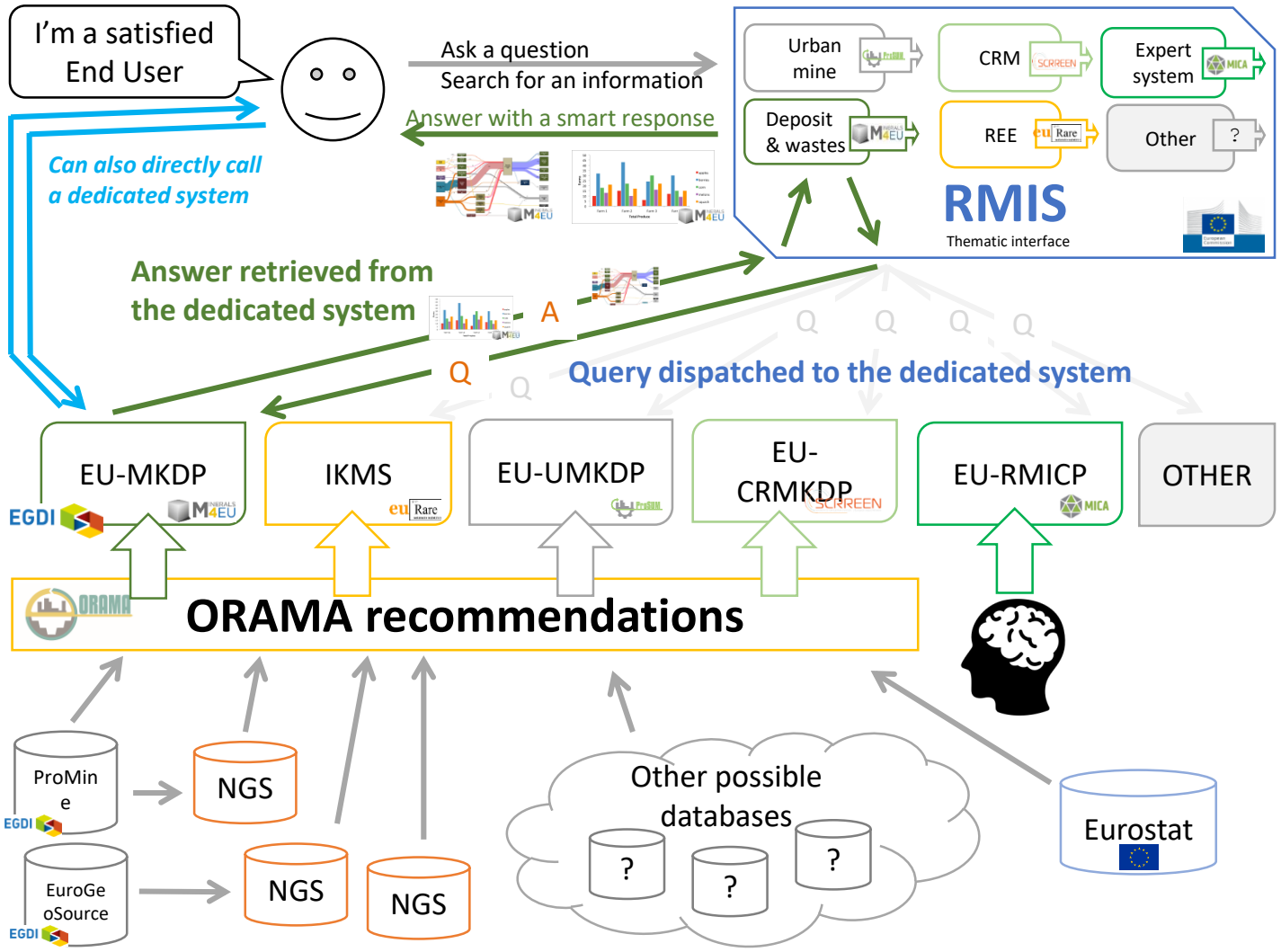
H2020

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

ORAMA


I'm a satisfied End User
Ask a question
Search for an information
Answer with a smart response
Can also directly call a dedicated system
Urban mine
CRM
Expert system
Deposit & wastes
REE
Other
RMIS
Thematic interface
Answer retrieved from the dedicated system
A
Q
Query dispatched to the dedicated system
EU-MKDP
IKMS
EU-UMKDP
EU-CRMKDP
EU-RMICP
OTHER
ORAMA recommendations
ProMine
EuroGeoSource
NGS
NGS
NGS
Other possible databases
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Eurostat