SMART data collection and inteGRation platform to enhance availability and accessibility of data and information in the EU territory on SecoNDary Raw Materials

EIP on RAW MATERIALS
Brussels – 9th 10th December 2015

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www.smart-ground.eu

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### Project fact

- **Project start date:** 1\textsuperscript{st} October 2015
- **Project end date:** 31 March 2018
- **Project duration:** 30 M
- **Total budget:** 2.5 mln €
- **EC contribution:** 100%
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SMART GROUND objectives

More specific objectives:
• Collection of quantitative and structural knowledge from existing SRM resources;
• Identification of critical points/bottlenecks;
• Inventory of existing standards for RM and waste inventory and development of best practices for SRM to be validated on selected PILOT SITES;
• Identification of the most promising markets for the SRM;
• Evaluation & analysis of the impacts triggered by different processes.
Other specific objectives:

- Analysis of existing legislation at EU and national level on waste management;
- Integration of the data collected by gathering them in a single virtual space;
- Making easier the access to information on available SRMs for end-users;
- Training specific target groups on the issue of waste management and SRMs;
- Raising awareness of the positive impact of dumps exploitation to obtain SRMs;
- Allowing the networking among different stakeholders of the SRMs value chain;
- Supporting relevant EU initiatives (e.g. EIP on Raw Materials)
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Raw Materials are essential for the EU economy (e.g., Critical Raw Materials)
Waste production: enormous loss of resources

EU waste management policies:
• Environment
• Resource efficiency

- Data on landfills and RM, SRM are scattered
- When present, data are stored in different databases
- These data are not based on a methodological approach well defined and shared (which sampling procedure -if any- was adopted? What kind of geochemical/mineralogical screening? etc. ...)
- As a consequence, the available data can be hardly used (particularly, by the stakeholders involved in the SRM chain)
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Main SMARTGROUND targets:

• Industries
• Students
• Researchers
• Policy makers
• European Commission
• Other stakeholders
Project impacts

**Mid Term**

- Better-informed **decision-making** at EU and national level
- Increased **EU raw materials knowledge** and transparency of EU RM information
- **Boosting the RM sector** through an interdisciplinary and transnational cooperation allowing matching the supply and demand from the EU downstream industries

**Long Term**

- **Improved availability** of key RM
- **Facilitation of exchange of information and increased knowledge and use** of the most advanced, economically effective and innovative technologies in the whole value chain of raw materials
- **Implementation of the EIP** on Raw Materials

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One of the innovative aspect of our project is to create a connection between the market needs, in particular, the industrial one, and availability of secondary raw materials.

Using the most innovative tools available, a database with geo reference information will be developed. The use of semantic words will help users to find the right information in an easier and cost-effective way.

To include, on in just one platform, information on secondary raw materials, from different sources:
- Urban waste
- Mining waste
First outline of SMART GROUND Platform

Create a “digital” bridge between demand and offer

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SMART GROUND will respond to the needs of coordination, networking and cooperation between stakeholders, thought the creation of a DATA BANK enabling the exchange of information among them.
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