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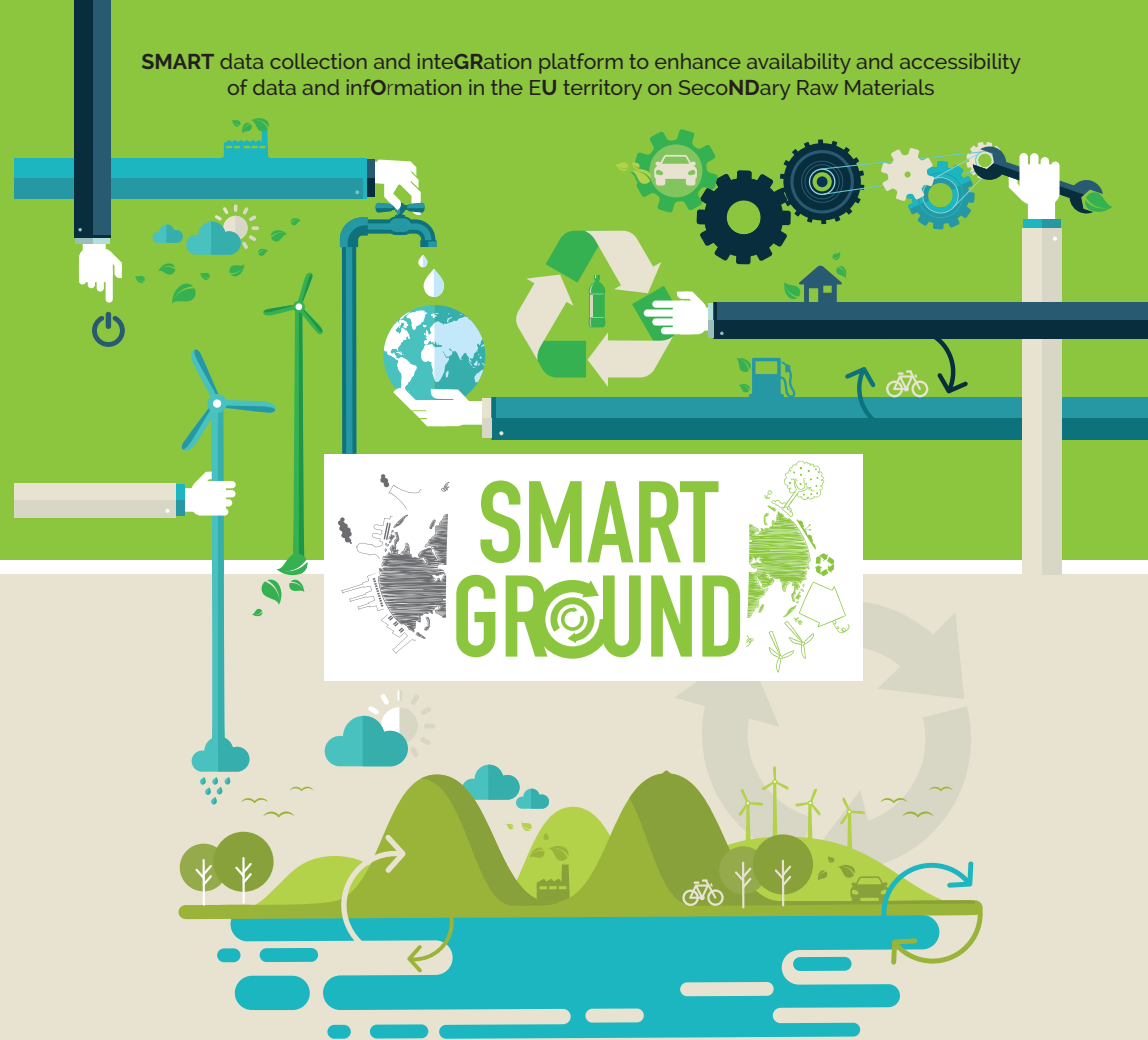www.cranfield.ac.uk
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SMART data collection and inte**GR**ation platform to enhance availability and accessibility of data and inf**O**rmation in the **EU** territory on Seco**ND**ary Raw Materials

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SMART GROUND

will develop an EU integration platform hub combining all the data from existing sources and new information collected during pilot landfills characterization.

Context

Raw Materials are becoming always more important for the EU economy but their availability is under pressure. In Europe there are between 150k to 500k highly variable landfills, thus the EU Secondary Raw Materials (SRM) potential is significant. Existing knowledge, reporting standards and inventory actually used seem to be inefficient.

Rational waste management practices could lead to a more efficient use of raw materials and to waste reduction. In this context, the improvement of the availability and accessibility of data and information on SRM together with the creation of European networks will improve the SRM economic and employment potential in EU.

Objectives:

• To collect quantitative and structural knowledge from existing SRM resources identifying critical points and bottlenecks that hinder the effective use of SRM from landfills and dumps.

• To take stock of existing standards for RM and waste inventory and develop new ones for SRM, to validate them on selected pilot sites.

• To integrate and harmonize the data and information collected by gathering them in a single EU database. Identifying the most promising markets for the SRM.

• To study the existing legislation at EU and national level on waste management and spreading best practices.

Impacts

SMART GROUND will address the issues of waste management and resource recovery, reducing EU dependence on Raw Materials while contributing to secure sustainable supplies of RM, in accordance with the Strategic Implementation Plan of the EIP on Raw Materials.

In particular the following impacts will be achieved:

• Better-informed decision making at EU and National level.

• Improved availability of key RM, while creating added value to the economy and more jobs, thus facilitating the use of the most advanced, economically effective and innovative technologies in the whole value chain, in order to spread the EU circular economy.