Towards a Classification System for Anthropogenic Raw Materials

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Expert Group on Resource Classification, 7th Session
Palais des Nations, Geneva, Switzerland
Motivation: Secure future supply of raw materials.

Resource Classification & Reporting is
- **well established** for minerals and energy resources in the geosphere; underway for mining waste & renewables
- **not developed** for raw materials in the anthroposphere.

No common methodology exists
- to inventory and classify anthropogenic resources (stocks and flows) in a standardized way.
- to provide integrated information on the future availability to commodity markets (scenarios).

Such a methodology is the basis
- for strategies to optimize raw material consumption
- for implementing circular economy principles (resource efficiency, recycling).
- for securing recovery of e.g. critical raw materials
Aim

Actuate the classification & reporting of material resources/reserves in the anthroposphere.
Trans-European Networking

COST Action
Mining the European Anthroposphere

Participants from >20 countries

Project duration
May 2016 – April 2020

Budget
106’000 Euro for 1st year
(Note: Personal costs are not eligible for reimbursement)

Supported by
COST is supported by the EU Framework Programme Horizon 2020
Knowledge community

Organizations to be involved, e.g.:

- European Commission & EU Agencies
- European RTD Organisations
- International Organizations
- International Partner Countries
- Near Neighbour Countries
- COST Countries
Working Groups

1. Built environment
   Construction & demolition waste

2. Landfills
   Waste from landfills (incl. mining waste)

3. Incinerators
   Residues from waste incineration

Networking activities (May 2016 – April 2017)

1st Core Group Meeting
Lisbon

WG1 Workshop (Odense, 11-12 Aug)
Exploration & Mapping of materials in the building stock.

WG1 & 2 Workshop (Novi Sad, 22-23 Sept):
Technologies and data for material recovery from C&D waste, landfills & mining waste.

WG3 Workshop (Prague, 19-20 Oct):
Technologies and data for material recovery from incineration residues.

WG4 Workshop (Budapest, 6-7 Oct):
Opportunities and Challenges for the Classification & Reporting of anthropogenic resources.

2nd Core Group Meeting
Munich

2nd MC Meeting
WG Meetings
Ljubljana
23-24 Feb

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**TITLE:** Opportunities and Challenges for the Classification & Reporting of anthropogenic resources

**DATE:** 6-7 October 2016

**VENUE:** Geological and Geophysical Institute of Hungary (MFGI)

**OBJECTIVES:**

- Developing a common understanding for mining the anthroposphere.
- Consolidating knowledge for classifying and reporting of mineral resources/reserves in the geosphere (incl. mining waste).
- Exploring opportunities to develop a classification scheme of material resources/reserves in the anthroposphere.
Invitation to the EGRC

Becoming MINEA WG4 Vice-Leader.

Becoming COST Action MINEA Participant

- Status: MC Member / MC Observer / WG Member.
- Experts from institutions all over the world.

Attending the Workshop „Opportunities and Challenges for the Classification & Reporting of Anthropogenic Resources.“

Proposal to establish a new EGRC Task Group on Anthropogenic Resources:

- Goals:
  - Contribution to Specifications or Guidelines for the application of UNFC to anthropogenic resources: „UNFC for Anthropogenic Raw Materials“.
  - Improve data consistency, systems understanding, and policy making to secure future raw material supply.

- Next steps:
  - Developing a description of the Task Group.
  - Involving key stakeholders and proposers.