



# MINING the EUROPEAN ANTHROPOSPHERE

## Towards a Classification System for Anthropogenic Raw Materials

Dr. Ulrich KRAL

Prof. Dr. Soraya HEUSS-ARBICHLER

Mr. Mark SIMONI



COST is supported by the  
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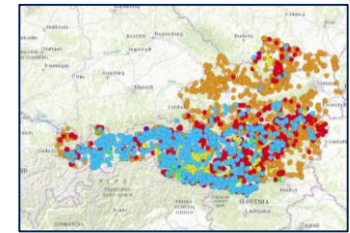
28. April 2016

Expert Group on Resource Classification, 7<sup>th</sup> Session  
Palais des Nations, Geneva, Switzerland

# Motivation: Secure future supply of raw materials.

## Resource Classification & Reporting is

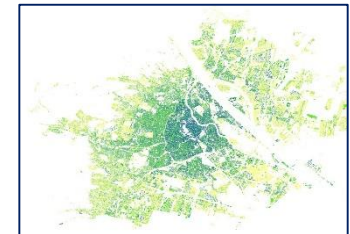
- well established for minerals and energy resources in the geosphere; underway for mining waste & renewables
- not developed for raw materials in the anthroposphere.



Interaktives Rohstoffinformationssystem (IRIS), <https://www.geologie.ac.at>

## 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).



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## 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





**Actuate the classification & reporting  
of material resources/reserves  
in the anthroposphere.**



# Trans-European Networking

## **COST Action** **Mining the European Anthroposphere**

**Participants from**  
**>20 countries**

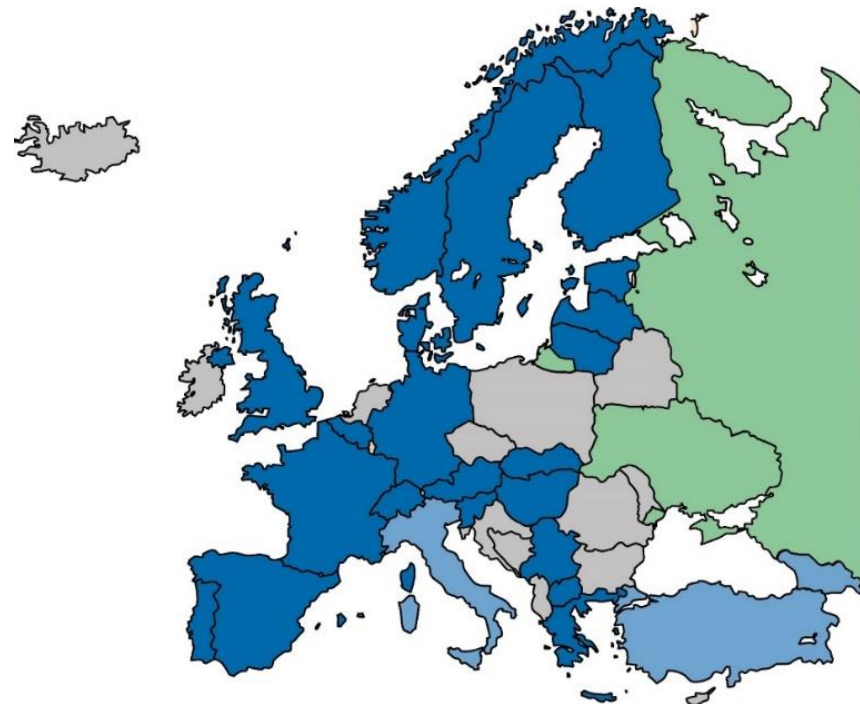
**Project duration**  
**May 2016 – April 2020**

**Budget**  
**106'000 Euro for 1<sup>st</sup> year**  
(Note: Personal costs are not eligible  
for reimbursement)

**Supported by**



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Organizations to be involved, e.g.:



**International Organizations**

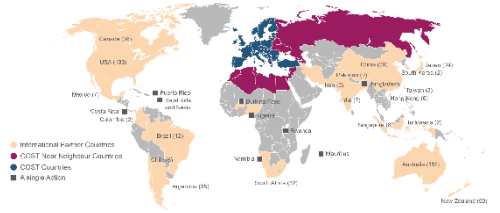


**International Partner Countries**

**MINEA (EU level)**

**European Commission & EU Agencies**

**European RTD Organisations**



1

## Built environment



Construction & demolition waste



2

## Landfills



Waste from landfills (incl. mining waste)



3

## Incinerators

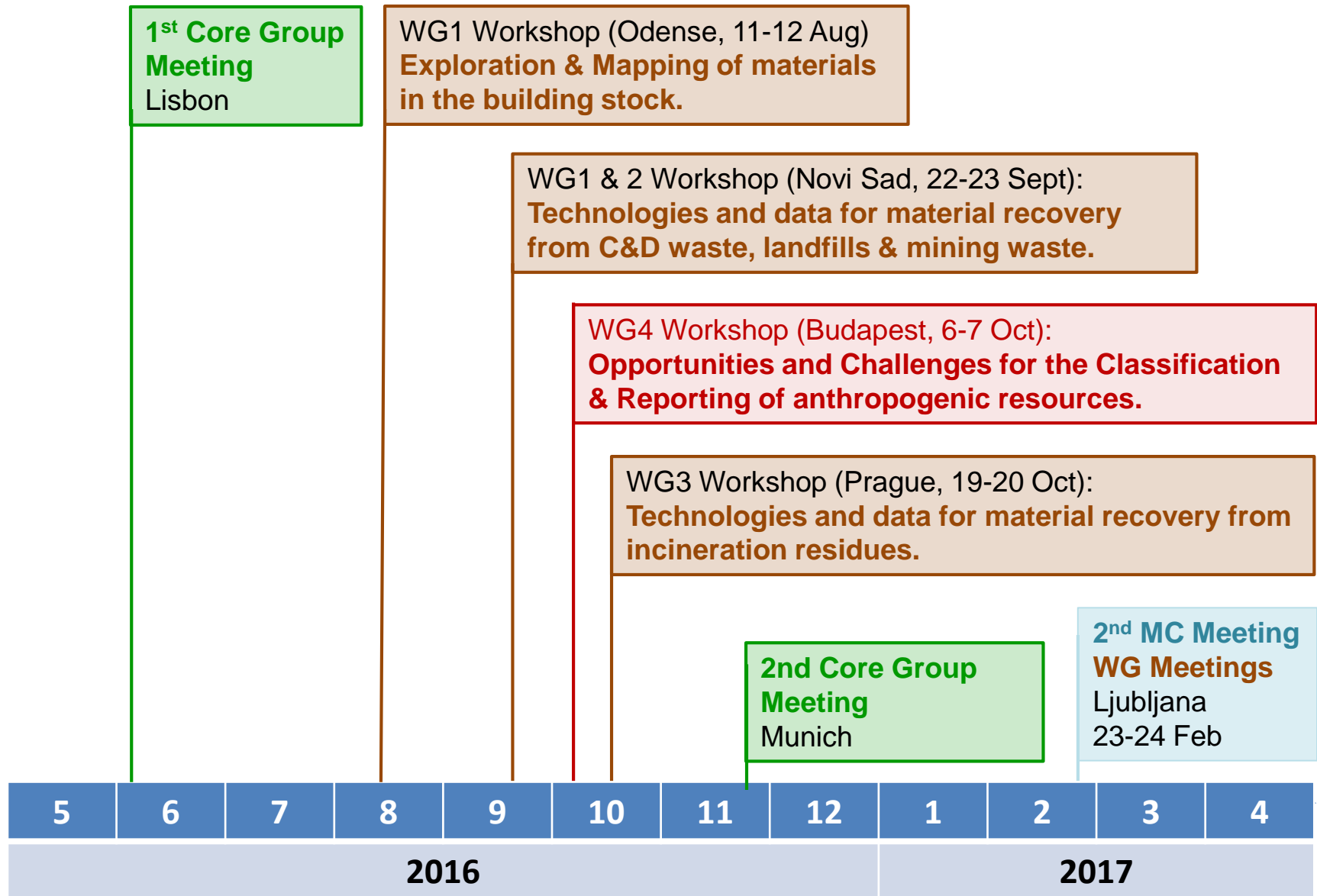


Residues from waste incineration





# Networking activities (May 2016 – April 2017)





# WG4 Workshop

**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.