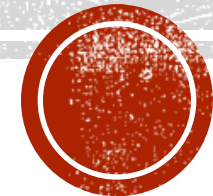


WORK PACKAGE 4



Ester van der Voet
MICA Kick-off meeting
2-4 february 2016



- Objectives of WP4:

Inventory and Assessment of Tools and Methods for providing Expertise to Stakeholders on Mineral Intelligence

Agenda WP4 meeting February 4, 2016

- Stakeholder questions (briefly)
- Longlist of tools and methods
- Fact sheets
- Inventory of case studies
- WP4 / WP5
- Planning

Stakeholder questions

- Input of WP2 workshop
- What do stakeholders want to know about minerals?
 - Supply related questions
 - Functionality: what can it be used for?
 - Prices
 - Costs of extracting / purchasing / using
 - Environmental impacts
 - Social / humanitarian aspects
 - (Geo)political aspects
 - Others – supply chains, technology, ...?
- We need to keep this in mind for the next step – method selection

Longlist of tools and methods

- What tools and methods are available?
- From the proposal:
- Classification in proposal: methods and tools to
 - Identify and asses geological and urban mines
 - Assess society's metabolism
 - Assess economic, political and social aspects
 - Forecast or estimate future resource supply and use
- Brainstorm: methods/tools per category

- **Fact sheets: information to go into WP6**
- **Mapping the methods**
- **To be included**
 - **Scope, conceptual model and main characteristics**
 - **Range of relevant applications**
 - **Topics**
 - **Stakeholder questions**
 - **Data needs, databases**
 - **Mathematical model used (if any)**
 - **Systems considered**
 - **Life cycle stages**
 - **Time**
 - **Space**
 - **Output, Indicators and Units**
 - **Treatment of uncertainty, verification, validation**
 - **Publications, standard**
 - **Related methods**

Application of methods in case studies

- Small case studies (2-3 person months)
- Synergies with other projects are quite welcome
- Covering a broad field of stakeholder questions
- Using different methods: descriptions of flow sheets

- Plans to be discussed in WP4 meeting
 - CML plans: (1) environmental impacts of global demand/supply scenarios for 7 major metals, and (2) prospecting the urban mine of Amsterdam, both partly financed by other projects
 - We promised four case studies, but more is actually recommended by the Advisory Board! They mentioned:
 - circular economy
 - pressure on resources because of continued demand increase

- How to avoid overlap between WP4 and WP5?

- **Planning WP4**
- **D4.1 Factsheets methods / tools: month 10**
- **D4.2 Methods/tools and stakeholder questions: month 14**
- **D4.3 Case study reports: month 22**
- **D4.4 Recommendations for stakeholders: month 24**

- Task 4.1 (coord CML) (all dates 2016)
- List of methods finalised and distributed over responsible partners by March 1
- Format fact sheets finalised by March 1
- 1st draft fact sheets available by June 1, discussed in WP4 telemeeting
- To consortium and Advisory board July 1st
- Ready to submit September 1st
- Confront with stakeholder questions Sept-Oct, starting with joint workshop
- Draft report December 1st, discussed in WP4 telemeeting
- Final report December 20.

- Task 4.2 (coord NTNU)
- Decision on (minimum) list of case studies included: April 1st ?
- Planning per case study to be made after that

- Task 4.3 (BRGM)
- To be worried about at a later stage



MICA Mineral Intelligence
Capacity Analysis



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THANKS FOR YOUR ATTENTION



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