Reporting on Reserves and Resources: state of play

Expert Group on Resource Classification, Fourth Session, 23-26 April 2013, Geneva

Slavko SOLAR
European Commission, DG Enterprise and Industry

Unit-F3 «Raw Materials, Metals, Minerals and Forest-based Industries»
• Importance of data and information

• Raw Materials Initiative – II. pillar
  • National minerals data reporting
  • Indicators' report

• EU minerals data efforts: studies and projects

• EU minerals data within European Innovation Partnership (EIP)
Policy / Information

- Link between data and policy / informed debate and decision making
- Data quality and credibility
- To stakeholders tailored data (policy experts, decision-makers, ..... public .... investors....industry....)
- Place and role of data providers
- Who, why, at which level/where, what, at what cost is being collected as minerals data?
- How much data is enough?
EU MINERALS DATA EFFORTS

Raw Materials Initiative – II. pillar
   National minerals data reporting
   Indicators' report

EU studies and projects
Raw Materials Initiative

II. Pillar – supply from EU sources

Data harmonization and standardization in COM(2005)25 and report of WG II

Raw Materials Supply Group

RMSG – Forum of MS, industry and other stakeholders facilitated by European Commission
RMSG meeting
November 2012

• Agenda item
  • UNFC presentation & discussion
  • Call for comments, position statements ....

• Response
  • Response from Portugal in favour of UNFC, Ireland uses PERC or PERC equivalent system, Romania uses UNFC, and in Spain no works for implementing a methodology and a mandatory information system similar to the UNFC has been put in place.

• Industry
  • International harmonised and understandable reporting
  • In favour of a centralized classification system, added value in governmental organisation taking up reports ...
  • Suggested way forward for standardisation and harmonisation is that UNFC is the over-arching system operated at MS and EU level
National minerals data

- Exercise of Raw Materials Supply Group members based on II. pillar of Raw Materials Initiative
- Development and population of 20 indicators to monitor actions of MS in several areas: legal framework, information framework, land use planning and authorisation and permitting
- 18 MS replies, evaluation system, preliminary report

- Information framework (2 indicators):
  - Data availability, and
  - Geo-scientific knowledge base
National minerals data

- Data availability
  - Economic importance
  - Import / export data
  - Production statistics
  - Structure / tool for long term estimates

- Geo-scientific knowledge base
  - Standardised statistical, classification codes for reserves and resources
  - Availability of different kind of maps including 3D maps, computer based mineral information system
Reserves and Resources Reporting

• Standardised statistical and classification codes
  • 10 countries
    • 7 UNFC or similar
    • 2 PERC
    • 2 JORC
  • 6 countries no codes
  • 2 countries no reply
Related EU studies, projects

**DG ENTR**
- Structured Statistical Information on the Quality and Quantity of the EU Raw Materials Deposits (2013-2014)
- European Rare-Earth Competency Network (ERECON) (2013-2014)

**DG RTD**
- FP7 Coordination and support action: "The European Intelligence Network on the Supply of Raw Materials" (start 2013)
Structured Statistical Information on the Quality and Quantity of the EU Raw Materials Deposits (2013-2014)

• Goal: How structured statistical information on quality and quantity of EU raw materials deposits (reserves and resources) can be achieved?
  • State of the play on quality and quantity of statistical data, including terminology that is used
  • Gaps, bottlenecks and recommendations (access to data, harmonisation, aggregation, presentation,…)
  • Search engine
Structured Statistical Information on the Quality and Quantity of the EU Raw Materials Deposits (2013-2014)

- 2013-2014 / 2 years
- Oakdene Hollins Ltd. (BGS, BRGM, RMD, ...)
  - Project partners 9
  - Proposed Steering Group 12
- Stakeholders' workshops on
  - Users
  - Gaps
  - Recommendations
Progress on the European Innovation Partnership
SCOPE
The EIP will promote innovation along the entire value chain of raw materials (i.e. raw materials knowledge base, exploration, licencing, extraction, processing, refining, recycling, substitution) involving stakeholders for relevant upstream and downstream sectors.

Strategic Implementation Plan will address all actions necessary to achieve the objectives and targets, including research and development along the value chain, raw materials intelligence, revisions of selected legislations, licensing steps, standardisation, and policy dialogues.

OBJECTIVES
Overall objective is to contribute to the 2020 targets of the EU Industrial Policy to increase the share of industry on GDP to 20%, and of the Resource Efficiency Policy to increase energy efficiency by 20% by ensuring the sustainable supply of raw materials to European economy and society. This will be achieved by:

• Reduction of import dependency by improving supply conditions from EU and other sources and providing resource efficiency, including recycling, and alternatives in supply through substitution.
• Putting Europe to the forefront in raw materials sectors and mitigating the negative environmental and social impacts.
## EIP 2020 Targets

<table>
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<tr>
<th>Target</th>
<th>Indicators</th>
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<tbody>
<tr>
<td><strong>WP1</strong></td>
<td>10 actions</td>
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<td><strong>WP2</strong></td>
<td>3 substitutes</td>
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<td><strong>WP3</strong></td>
<td>Revisions of regulatory acts</td>
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<td><strong>Raw materials knowledge base with raw materials flows and trends</strong></td>
<td>Service providing information and knowledge</td>
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<td><strong>WP4</strong></td>
<td>Knowledge and Innovation Community on Raw materials</td>
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<td><strong>WP5</strong></td>
<td>Strategy</td>
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Work packages - Operational Groups

- Technology-focused policy areas
  - WP1 - Exploration, extraction, processing, recycling ...
  - WP2 - Substitution, alternative functionalities and materials

- Non Technology policy areas
  - WP3 - Improving Europe's raw materials regulatory framework conditions, knowledge base and infrastructure
  - WP4 - Improving Europe's recycling regulatory framework conditions and excellence

- WP5 - International cooperation
  - Promoting appropriate international cooperation
3.1 Technology Pillar
- 3.1.1 Priority Area: Raw materials research coordination (WP1&2)
- 3.1.2 Priority Area: Technologies for primary and secondary raw materials production (WP1)
- 3.1.3 Priority Area: Substitution of raw materials (WP2)

3.2 Non-Technology Policy Pillar
- 3.2.1 Priority Area: Improving Europe's raw materials regulatory framework, knowledge base and infrastructure (WP 3)
- 3.2.2 Priority Area: Improving Europe's waste management regulatory framework conditions and excellence (WP4)
- 3.2.3 Priority Area: Knowledge and skills on raw materials (WP 3 & 4)

3.3 International Cooperation Pillar (WP5)
- 3.3.1 Priority area – Strategic international dialogues
- 3.3.2 Priority area – Technology-related international cooperation
- 3.3.3 Priority area – International dialogues on trade-related matters
Useful information on the Raw Materials Website

Useful information on the EIP Website

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