



European Commission

Enterprise Directorate-General

Raw Materials Supply Issues in the European Union

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Outline

- EU non-energy extractive industry (NEEI) – sector definition
 - “analysis of the competitiveness of the EU NEEI sector”
- EU Sustainable Development Policy Framework
 - Competitiveness and minerals planning
 - Environment
 - Research and development
 - Social issues
 - Stakeholder dialogue
- Recent developments relevant for the NEEI
- Concluding remarks/way forward - discussion



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Non-Energy Extractive Industry in the EU

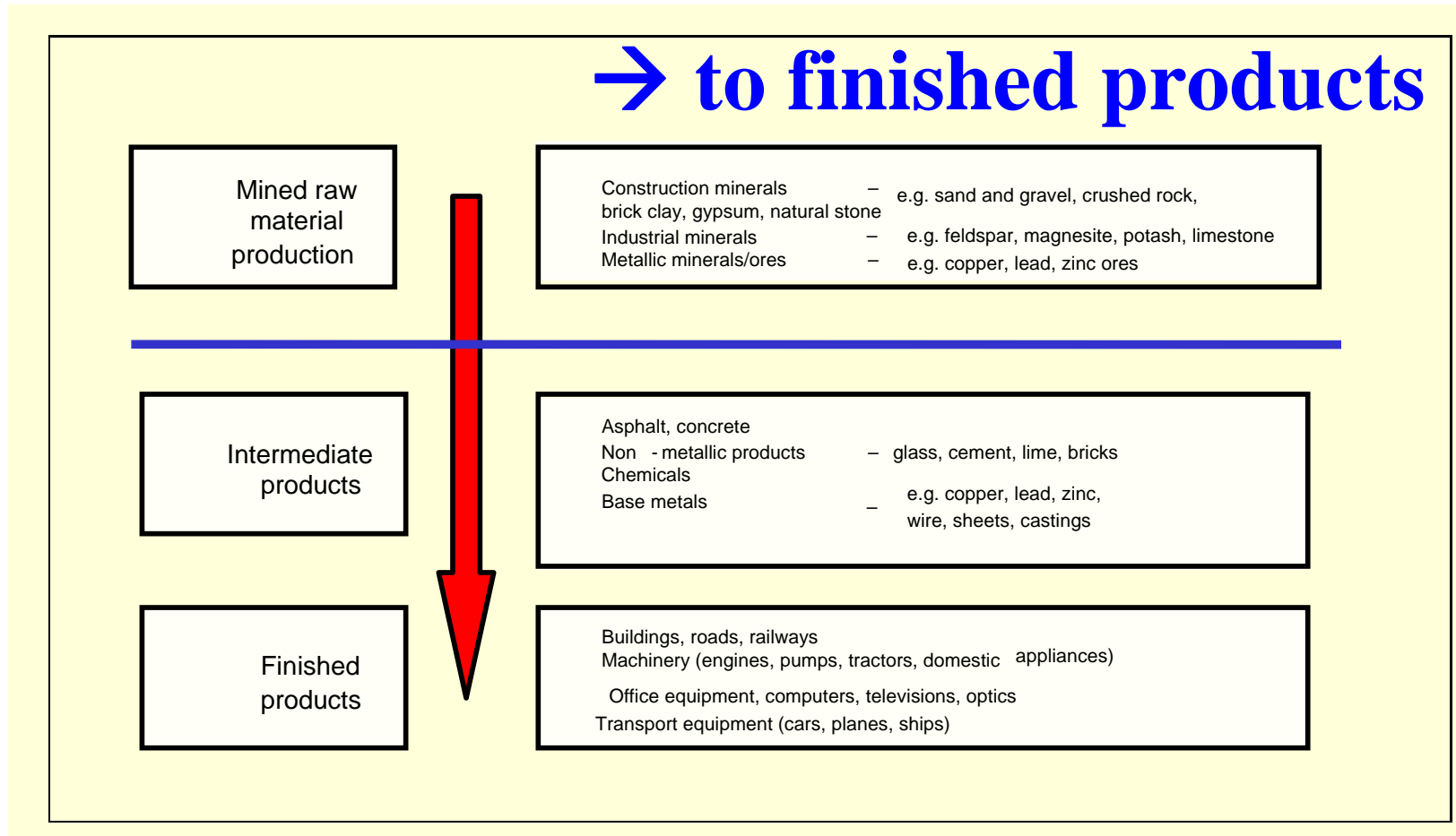
- Turnover: ± 40 billion €
- Employment: ± 250,000
- Contribution to major downstream sectors
 - ..it's everywhere..!
- 3 sub-sectors
 - Construction minerals
 - Industrial minerals
 - Metallic ores



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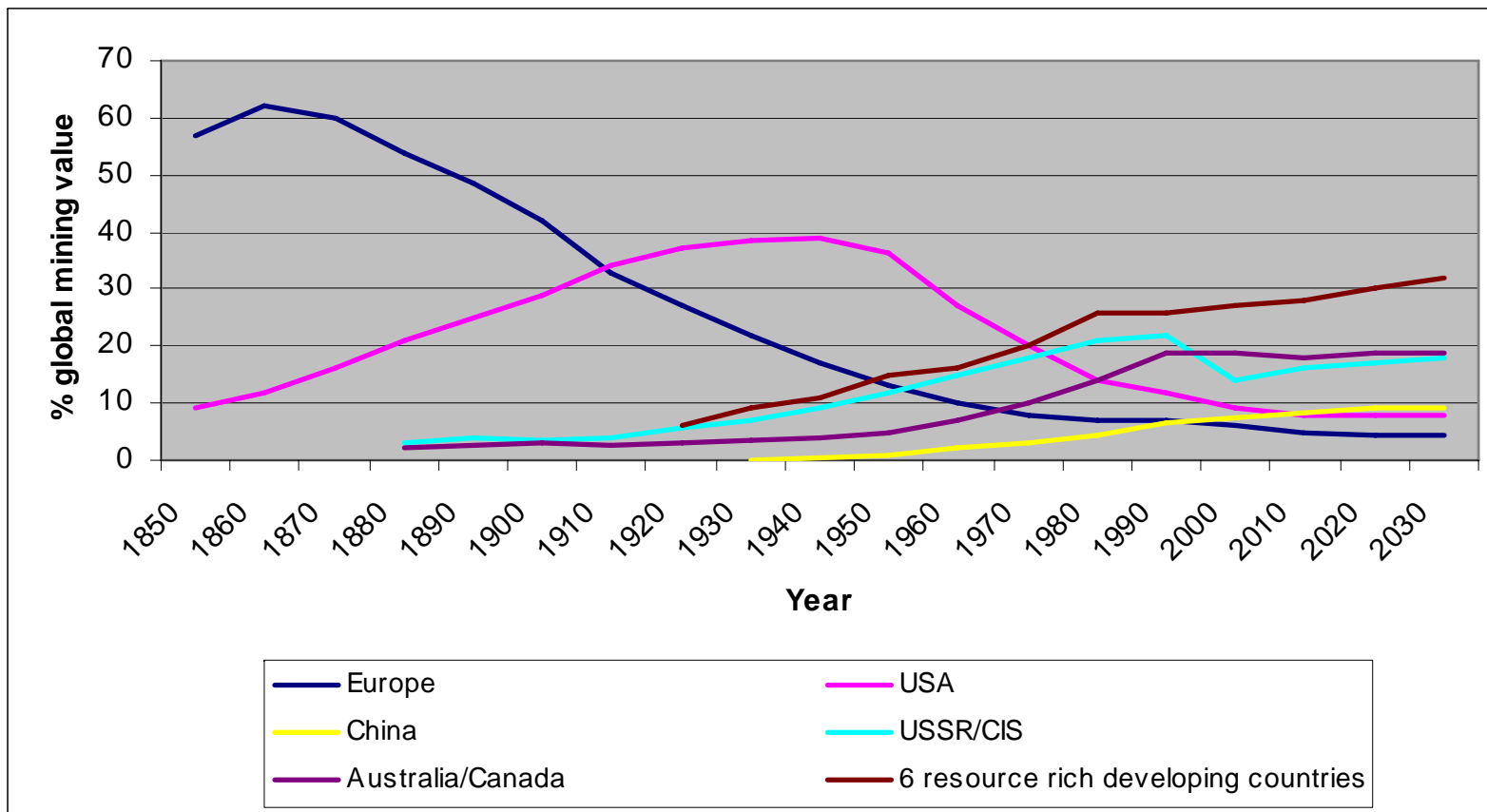
Value chain → from mined raw materials



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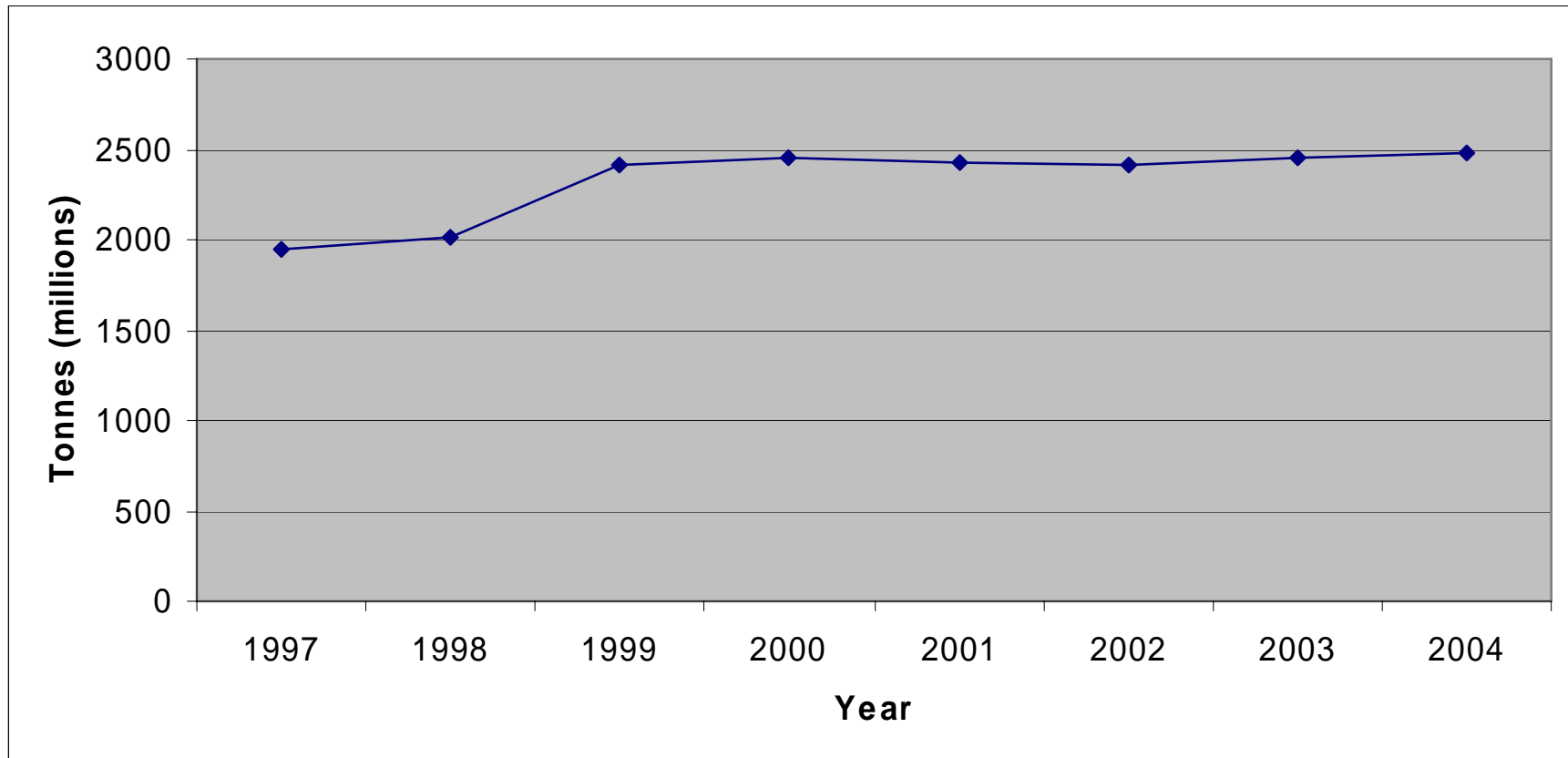
Trends in global mining



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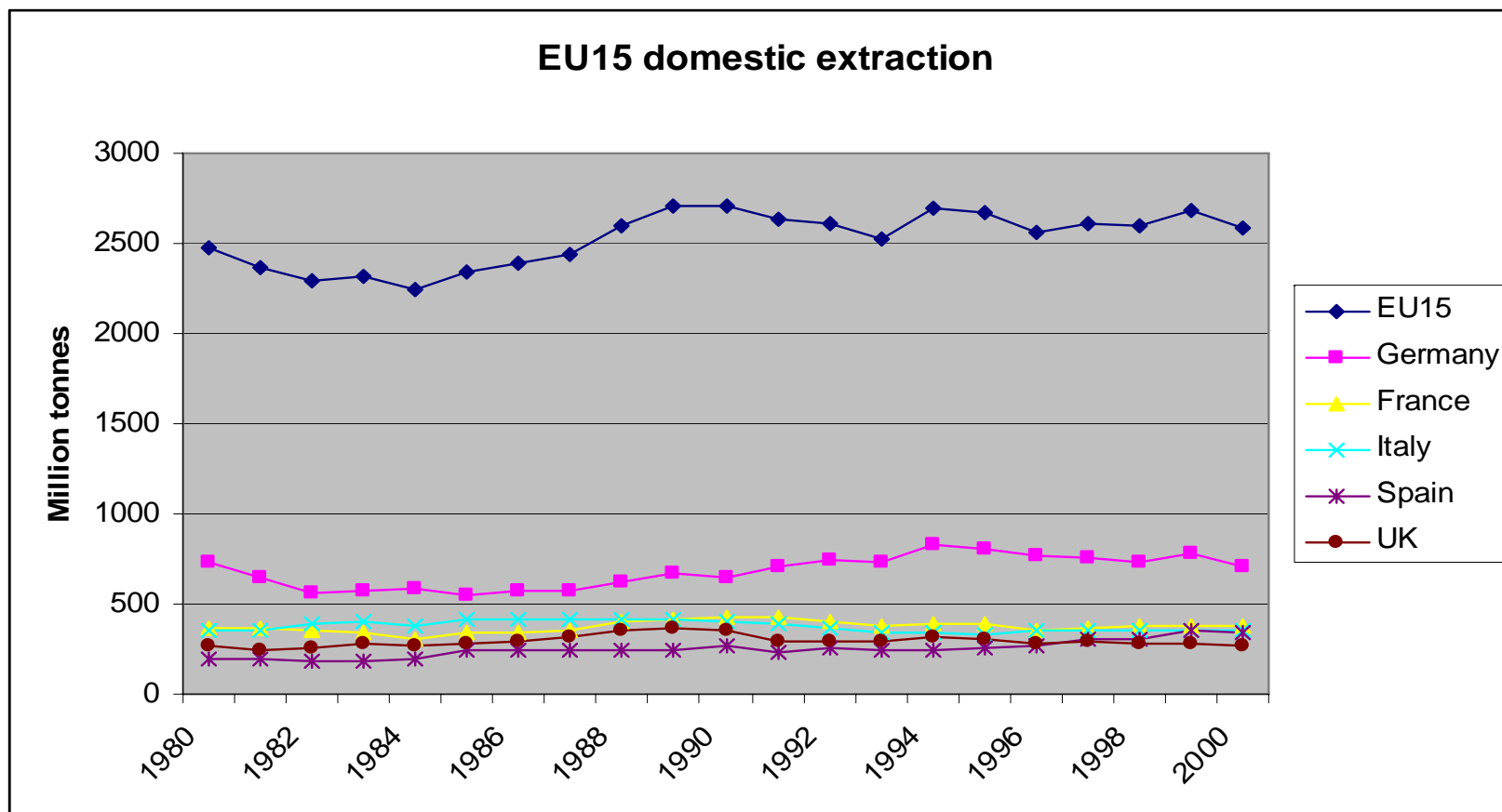
Construction Minerals Sector - EU25 ± 3 billion tonnes/year



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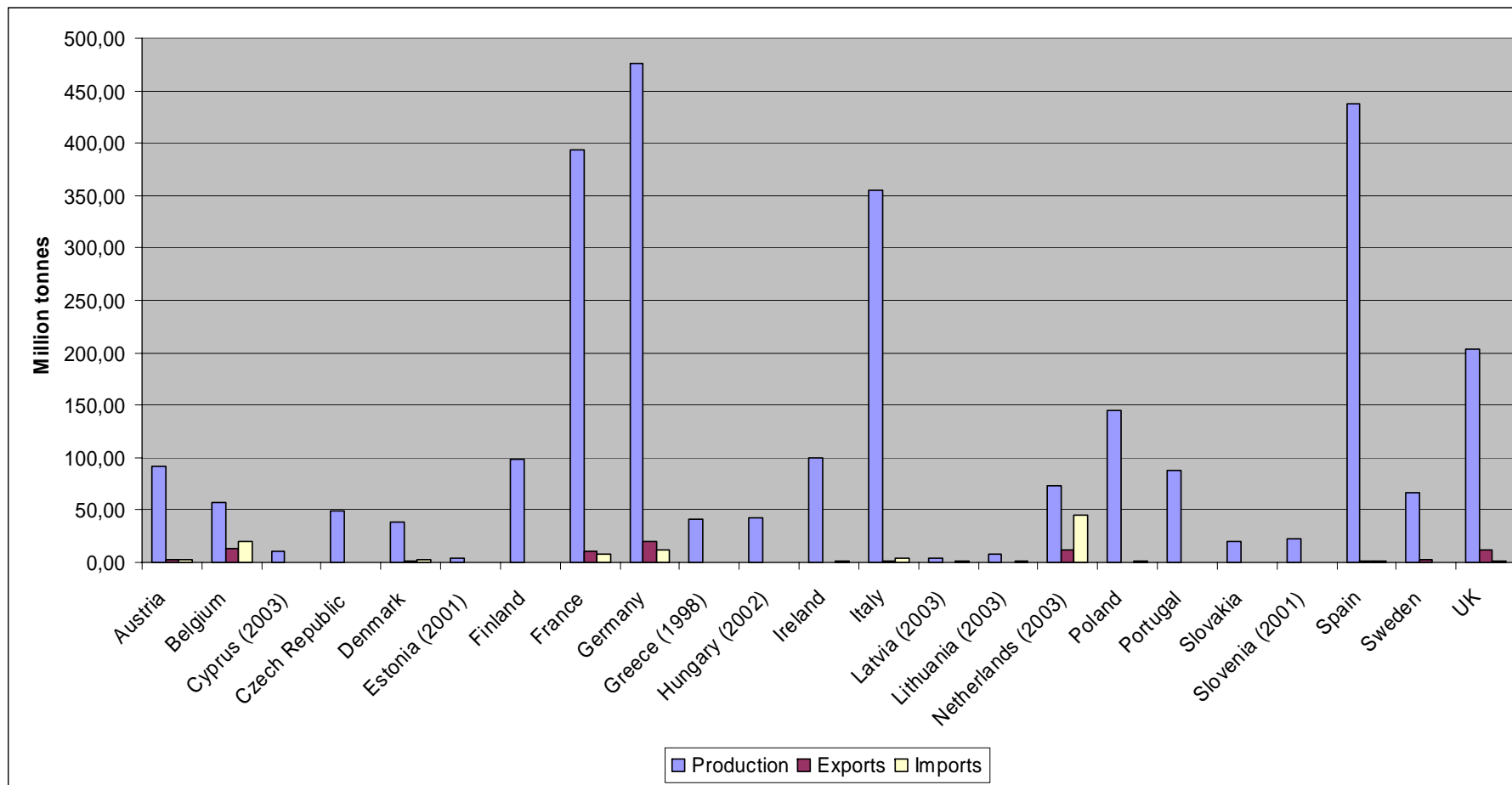
Construction Minerals Sector - EU15



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Production, import & export of aggregates

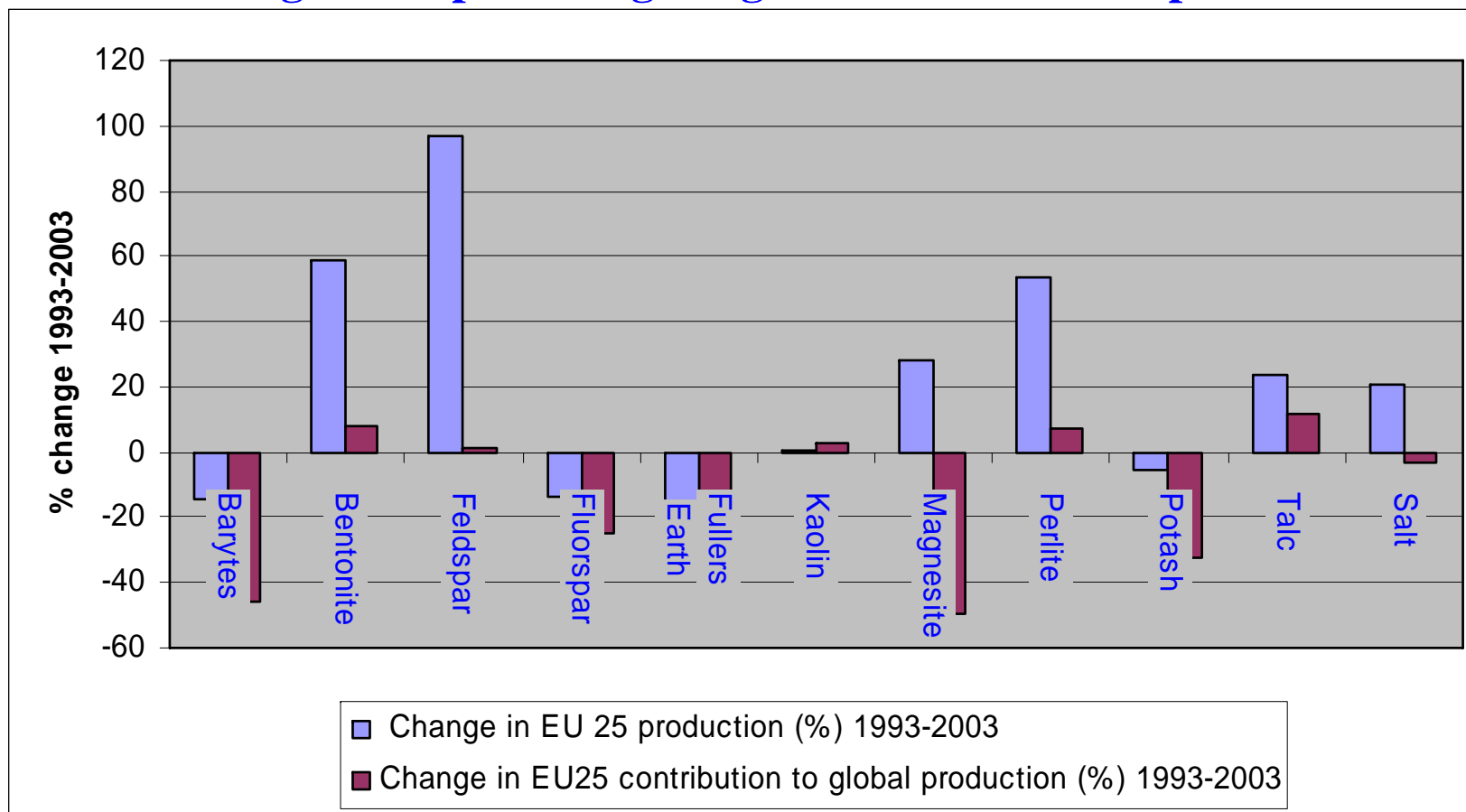


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Industrial Minerals – Change EU production (%; 1993 – 2003);

Change EU's percentage of global share of mine production



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Industrial Minerals - world ranking

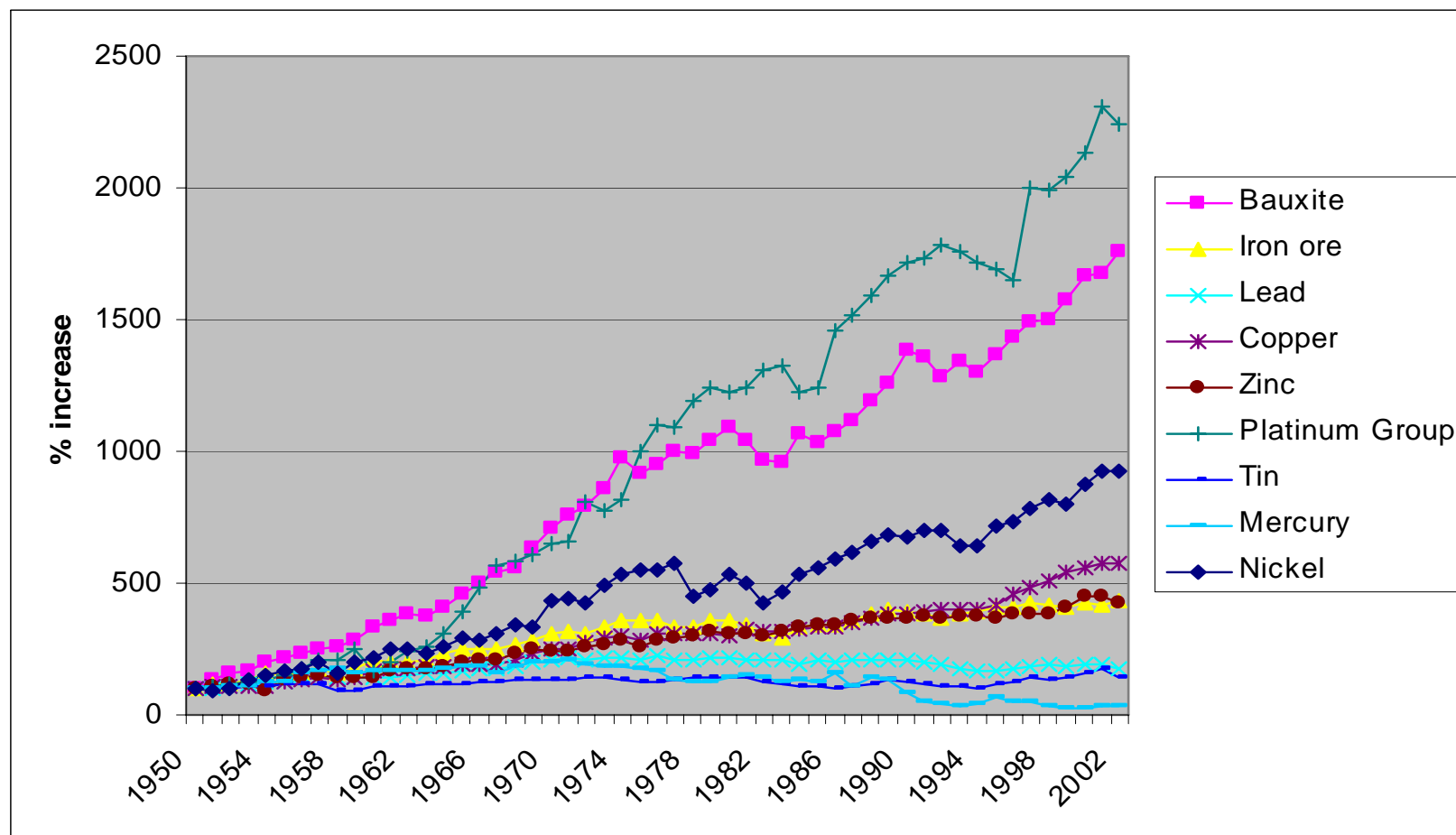
	First		Second		Third	
Bentonite	USA	32%	EU	19%	Turkey	7%
Feldspar	EU	36%	China	13%	Turkey	12%
Fluorspar	China	52%	Mexico	17%	EU	8%
Fullers Earth	USA	72%	EU	12%	Senegal	4%
Gypsum	EU	24%	USA	16%	Iran	12%
Kaolin	USA	34%	EU	23%	Brazil	19%
Magnesite	China	47%	EU	17%	Turkey	15%
Perlite	EU	39%	China	20%	USA	15%
Potash	Canada	32%	EU	16%	Russia	16%
Talc	China	46%	EU	20%	USA	13%
Salt	EU	21%	USA	20%	China	16%



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Relative change global production of metallic minerals 1950 -2002 (1950=100)



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Ranking three main producing regions for selected metallic minerals (2004)

	First		Second		Third	
Bauxite	Australia	40%	Guinea	12%	Jamaica	10%
Cadmium	Japan	22%	China	20%	Mexico	12%
Chromium	South Africa	53%	Kazakhstan	18%	India	8%
Copper	Chile	37%	USA	8%	Peru	7%
Iron ore	Brazil	23%	Australia	20%	China	14%
Lead	China	30%	Australia	21%	USA	14%
Manganese	China	24%	Gabon	17%	South Africa	13%
Mercury	EU	43%	Kyrgyzstan	26%	China	23%
Nickel	Russia	24%	Australia	14%	Canada	14%
Silver	Mexico	16%	Peru	15%	Australia	12%
Tungsten	China	87%	Russia	6%	EU	4%
Zinc	China	26%	Peru	14%	Australia	14%

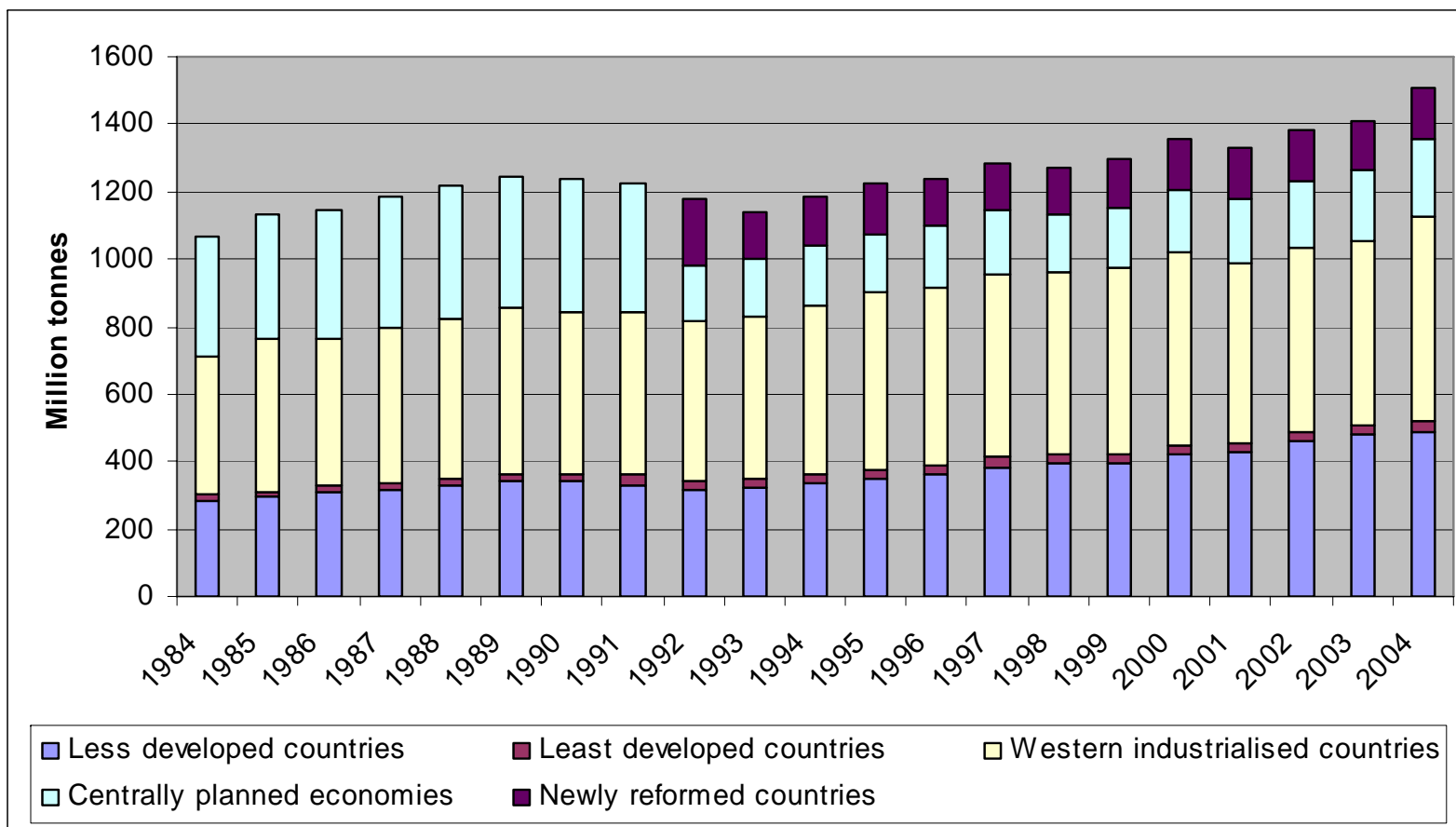


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World mine production –

based on developing status of producer country



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EU POLICY FRAMEWORK

Sustainable Development Strategy (SDS)

- continuous improvement of quality of life
 - creation of sustainable communities
 - manage and use resources efficiently
 - ensuring prosperity, environmental protection and social cohesion
-
-development that "meets the needs of the present without compromising the ability of future generations to meet their own needs"
 - relates to the continuity of economic, social, institutional and environmental aspects of human society, as well as the non-human environment



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“Lisbon Strategy”

“....engine of a dynamic economy....”

- Complementary to the EU SDS
- Secure the framework conditions which are favourable to industrial competitiveness
- Take account of the specific needs and characteristics of individual sectors
- Better regulation
- Coherence of policies



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Communication “Promoting sustainable development in the EU non-energy extractive industry” (2000)

- Objective: promoting SD by reconciling the need for more secure and less polluting extractive activities while maintaining the competitiveness of the industry
- http://ec.europa.eu/enterprise/steel/index_en.htm



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Priority areas

1. Competitiveness
2. Environment
3. Social performance and employment
4. Research and Technological Development
5. Enlargement

Stakeholder
dialogue



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Stakeholder dialogue

- **Raw Materials Supply Group:** chaired by DG Enterprise and Industry
 - Member States
 - Candidate countries
 - Industry federations (UEPG, ...etc.)
 - Trade unions, NGOs
- http://ec.europa.eu/enterprise/steel/index_en.htm



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1. Competitiveness

- ENTR → **Analysis of Competitiveness of EU NEEI**
 - Detailed analysis of competitiveness
 - Different factors of competitiveness identified
 - Access to land identified as a major issue
 - Separate and independent study: University of Leoben
- Input to High-Level Group on Competitiveness, Energy and Environment - Ad Hoc WG10 on Natural resources and secondary raw materials and waste → **report ENTR web page**



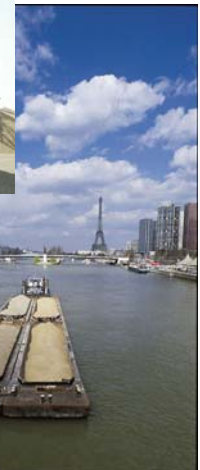
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Competitiveness factors

- Exploration
- Investment and operating costs
- Regulatory framework
- Access to resources within EU
- Availability of skilled workforce
- Research and innovation
- Health and safety



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Minerals planning: Leoben study



- EU legislation which impacts on national minerals planning policies and practices
- National systems of ownership of mineral resources
- Existing national legislation, policies and administrative procedures for securing supplies of minerals
- Key features of national and regional land use planning systems which have an effect on the extractive industry



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Minerals planning: Leoben study

Main findings

- Limited knowledge of importance of NEEI in Europe
- Lack of appreciation of strategic importance of non-energy minerals (in part. aggregates)
- In most Member States non-energy minerals are allocated a low priority
- In most Member States access to mineral deposits is becoming more difficult (in practise)
- Time required for authorisation of mineral extraction tends to be very long and outcome is often uncertain
- Increasing environmental pressures on the NEEI



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Minerals planning: Leoben study

Comments regarding its main recommendations

- Need for a more efficient approach to forward planning for minerals supply in some Member States
- Increase knowledge of distribution and quality of mineral resources in EU
- Consider criteria to assess applications for permits
- Protection of certain mineral resources

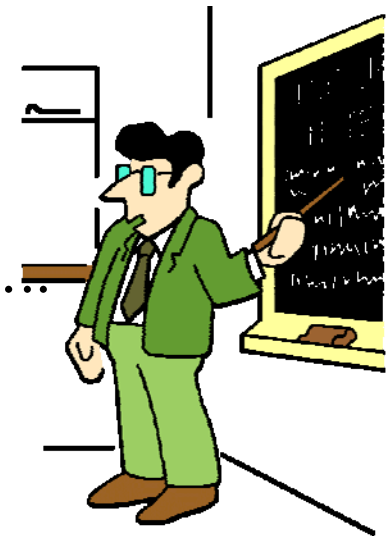


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2. Environment: Objectives

- Prevention of mining accidents.....
- Improvement of overall environmental performance of the industry
- Sound management of mining waste.....
- **Industry:** Implement it..., demonstrate it.....



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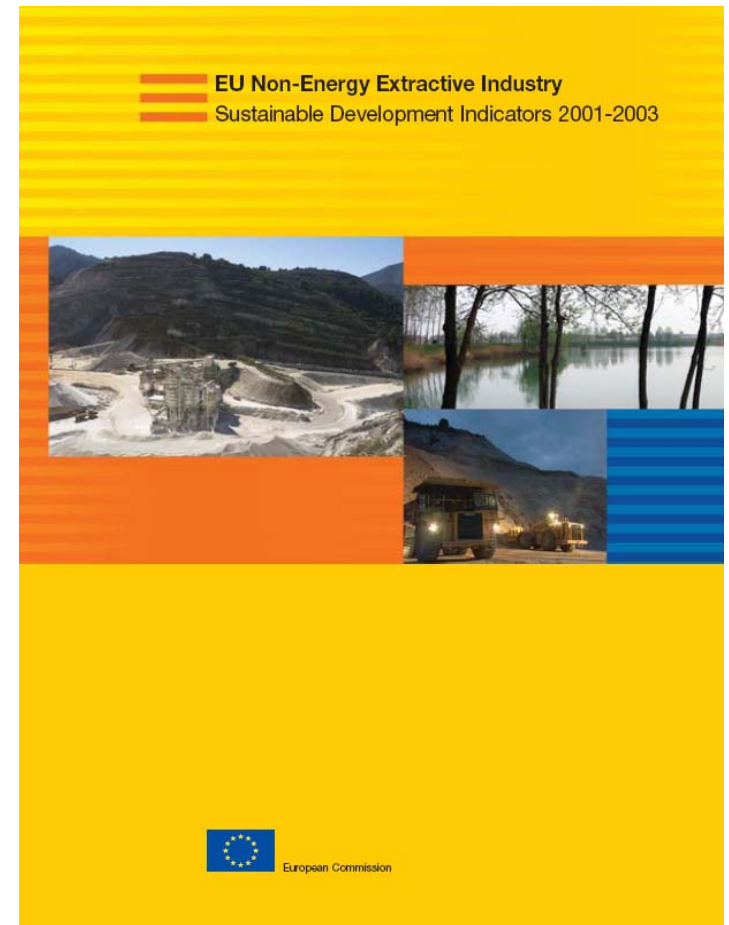
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Environment: Voluntary actions

- Example of the EU Sustainable Development Indicators:
<http://europa.eu.int/comm/enterprise/steel/non-energy-extractive-industry/sd-indicators.htm>
- Kick-off 2000, launch 2002
- 2001-2003 published 2006
- 2004-2005 to be published 2007



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SDI Questionnaire 2004-2005

- Participation requested through RMSG –WG SDI
 - 3 Industry sectors (Euromines, IMA, UEPG)
 - member states
- a.o. circulated to all UEPG Members
- Guidance document
- Frequently asked questions
- Translated in all languages



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3. Social performance and employment

- Ensure the future supply of a sufficiently skilled and educated workforce
- Further improve industry's performance in the field of health and safety
- Social Dialogue Committee
Extractive Industries



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4. Research & Technological Development

- Develop a common European platform for coordinating and disseminating results, and for identifying areas for future research
- European Technology Platform on Sustainable Mineral Resources:
<http://www.etpsmr.org>



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Recent developments

Competitiveness Council – May 21th

- Requests the Commission to develop a coherent political approach with regard to raw materials supplies for industry, including all relevant areas of policy (foreign affairs, trade, environment, development and research and innovation)
- Identify appropriate measures for cost-effective, reliable and environmental friendly access to and exploitation of natural resources, secondary raw materials and recyclable waste, especially concerning third country markets.



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High Level Group 4th report (June 11th)

- Competitiveness, energy and environment
 - Links together EUs challenges on consumption patterns, needs for R&D, improve our energy efficiency and be pro-active on climate change

- HLG calls upon EU and Member States to (.....) support the **development of a raw materials policy**
 - Free and fair global market
 - Taking into account EU Strategy on Sustainable Resource Use & International Panel (...)
 - International multi- and bi-lateral agreements
 - Simplifying and streamlining access to domestic raw a materials (one-stop shop...)
 - Improving resource efficiency
 - Opening up EU market for renewables



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G8 - Responsibility for Raw Materials: Transparency and Sustainable Growth

- Raw Materials in the extractive industry are a key factor for sustainable growth in industrialised, emerging and developing economies
- We discussed the situation on world commodity markets and recent price increases and reaffirmed our commitment to **free, transparent and open markets**.
- We will support increased **transparency** and build **good governance** in developing countries with social and environmental standards.
- We therefore express our **continuous support for EITI** and we will launch a certification project.
- We acknowledge that promoting a **consolidated set of principles and guidelines** that apply to the international mining sectors developing countries would help ensure that the sector contributes to development.



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Concluding remarks – way forward...

- NEEI sector receives a lot of attention
 - G8, EU Competitiveness Council's and HLLG calls upon EC,.....
- EU policy framework to sustainable development:
 - Commission working closely with the industry and Member States to achieve the revised Lisbon objectives
 - Member States implementing legislation and providing an efficient, cost effective and transparent (sustainable) mechanisms to enable industry to access new resources
 - Industry work (together) in a pro-active way, including developing voluntary actions → demonstrate, report....?
- No data, no trends, no benchmarking, no policy, but only (NEEI) clichés.....
 - So, let's act together, creatively and critically.....



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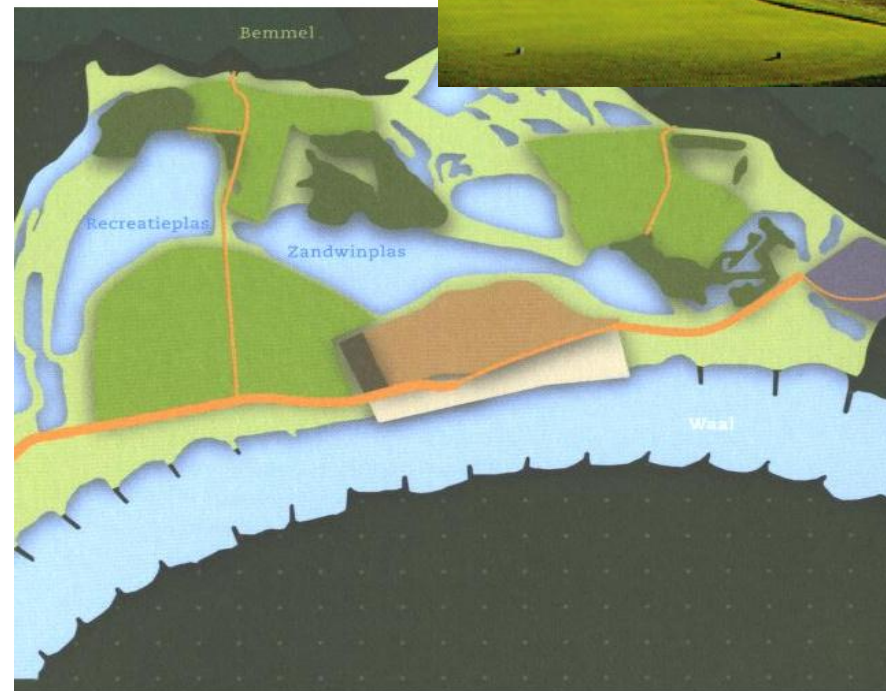
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Thank you for your attention



Questions ?

Discussion Points ?



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