SUSTAINABILITY OF MINERAL RESOURCES
AND THE ENVIRONMENT
BRATISLAVA 21 – 22 NOVEMBER 2016

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ROMAN STIFTNER
CHRISTIAN WIMMER

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EUROMINES

European Association of Mining Industries Metal Ores & Industrial Minerals

Euromines represents an interface between the European extractive industry and the European authorities and international or intergovernmental bodies.

EUROMINES' OBJECTIVES

- To promote mining as a contributor to sustainable development in Europe → achieve broader recognition of the role the industry plays in society
- To promote the extractive industry towards transnational bodies in Europe as
  - an economically crucial sector,
  - a responsible environmental sector,
  - a responsible employer,
  - an innovative sector,
  - a repository of essential specialist expertise for evidence-based policy-making.
- To deliver Euromines as the premier voice for its membership and the industry in Europe.
- Maximise the positive image of the industry.

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CHRISTIAN WIMMER

MARIUSZ ORION JEDRZEK

NORBERT KURILLA

MATTIA PELLEGRINI

CONSTANTIN CHIPAKIRA

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EIP and H2020: the Role of Slovakia

Sustainability of Mineral Resources and the Environment
Bratislava, 21st – 22nd November 2016

Mattia Pellegrini
Head of Unit for Raw Materials, Metals, Minerals and Forest-based Industries at the European Commission's Directorate General for Internal Market, Industry, Entrepreneurship and SMEs. **European Commission**

GROW C2

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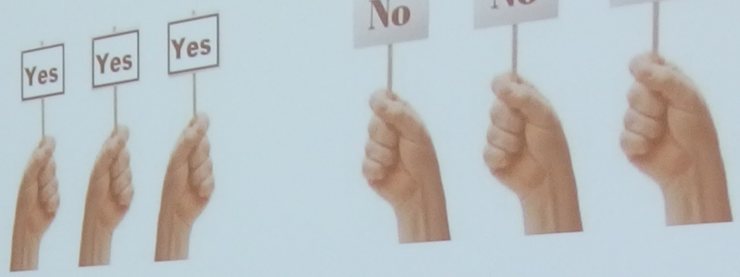
R. Holnsteiner, Energy & Mining, Minerals Policy

www.bmwfw.gv.at

Federal Ministry of Science, Research and Economy

Acceptance of Mining Activities

Austrian Experiences



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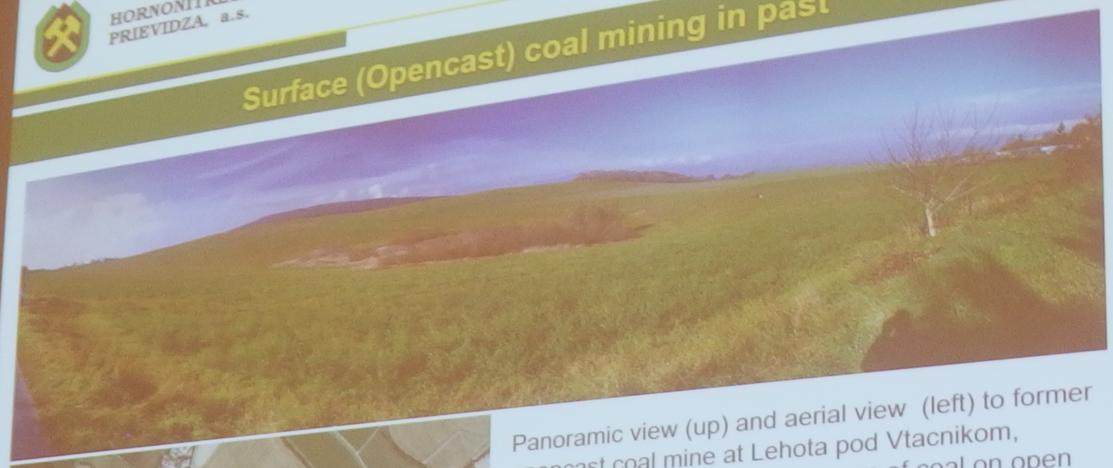
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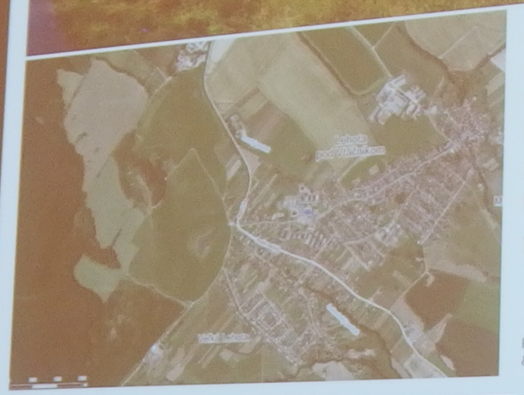
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HORNONITRIANSKE BANE PRIEVIDZA, a.s.

Conference: Sustainability of Mineral Resources and Environment

Surface (Opencast) coal mining in past



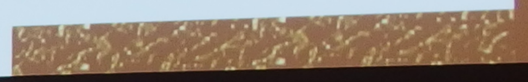


Panoramic view (up) and aerial view (left) to former opencast coal mine at Lehota pod Vtacnikom, where was mined 2 million tonnes of coal on open pit , untill 1990.

Former carrier is completely reclaimed and used as farmland.

Waste rock heap on horizon is forested

Picture source : K.Ivan
& www.mapy.cz





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Európska asociácia ťažobného priemyslu kovových rúd a ústavných nerastov

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DELL

Minerals and mineral-based products are the basis of production for metallurgical, electricity, chemical, brick, ceramics, tile, glass and other industries in Slovakia. According to Slovak Minerals Yearbook, 2015 mining and quarrying of minerals (including extraction of crude oil and natural gas) contributed 319,8 million €, or 0.42 %, to Gross Domestic Product (GDP) at current prices in 2014.




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Sources of minerals for the Czech economy

- Only few countries in the World have so huge mineral potential, that they are not dependent on the import of raw materials
- Major part of countries in the World have to import some part of commodities
- Especially in Europe – many countries are dependent on import of minerals, because EU countries consume many times more minerals than produce
- Also for the Czech Republic the import of some commodities is essential

- **Ways of securing raw materials in the Czech Republic**

1) Domestic production
2) Import
3) Recycling (for example some metals)

- In many cases is a mixture of more than one ways

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EUROMINES' OBJECTIVES

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D-EITI

EITI implementation in Germany

Dr. Thomas Gäckle, Deputy Director General "Raw Materials Policy", Federal Ministry for Economic Affairs and Energy, Germany

Sustainability of Mineral Resources and the Environment, Bratislava, 21st November 2016

www.D-EITI.de

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SLOVENSKÉ MAGNEZITOVÉ ZÁVODY, akciová spoločnosť, JELŠAVA
Environmental aspects of magnesite mining in SMZ a.s., Jelšava
SMZ, a.s. Jelšava (1923 - 2016)
22.11.2016
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Why decommissioning and remediation ?

- Any man-made structure has significant amounts of potential energy stored in it
- According to the 2nd Law of Thermodynamics this energy will be dissipated unless more energy is spent to maintain the structure
- The disintegration of structures and residue management facilties will lead to the dispersal of contamination and other risks
- Decommissioning and remediation manage such risks

vito

EMMC II
EU Mining Monitor Centre

REHABILITATION CASE FROM BELGIUM:
APPROACH OF A REGIONAL HEAVY METAL POLLUTION
CAUSED BY NON-FERROUS INDUSTRY

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Czech Republic Mining Association (Tezebni unie CZ)

Examples of the successful rehabilitations in the Czech Republic

David Póč

TĚŽEBNÍ UNIE

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BRATISLAVA 2016

SLOVAK ENVIRONMENT AGENCY

HORNONITRIANSKE BANE PRIEVIDZA, a. s.

MINISTRY OF ENVIRONMENT OF THE SLOVAK REPUBLIC

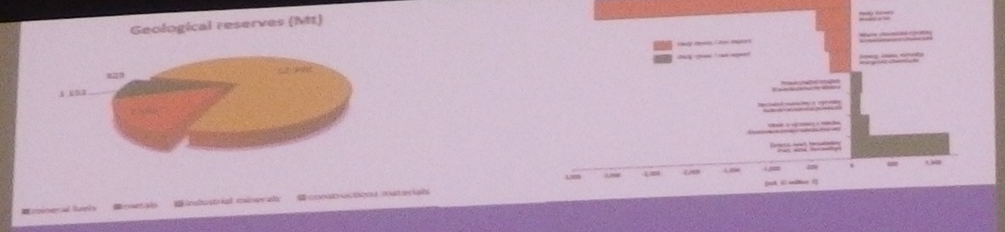
SMZ, a.s. Jelšava

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Baňa Starovšechsvätých
SLOVENSKÁ BANSKÁ, spol. s r.o.

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Slovakia

representing

- EU countries that have a strong geological potential,
- EU countries that have a strong mining culture,
- EU countries that do have to import too many raw materials which has an impact on their economies,
- EU countries that depend with their energy supply on coal, but are trying to develop alternatives,
- EU countries that have a historic legacy to overcome, and not just an environmental one, but also a one sitting in the minds of people,
- EU countries that building on their mining tradition and know-how develop new technologies and engage in extracting new deposits,

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Európska asociácia ťažobného
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Napredujúci a zodpovedný ťažobný priemysel minerálov a kovov
ktorý poskytuje spoločnosti základné podmienky k udržateľné
rozvoju.

POSLANIE EUROMINES

- podporovať udržateľný a prosperujúci ťažobný priemysel v E
  prostredníctvom zhodnotenia jeho vynikajúcej kvality
- slúžiť ako sieť pre spoluprácu a výmenu informácií v celom
- podporiť kontakty s ťažobnou komunitou na medzinár
  k dosiahnutiu spoločných cieľov
- podieľať sa na tvorbe európskej a medzinárodn

ČLENSTVO PREDSTAVUJE

- 42 rôznych k
- 20 národný
- 19 podnikov ak
- 350 000 pracovný

EUROMINES predstavuje
priemyslom a európskymi n
orgánmi.

CIELE EUROMINES

- predstavovať ťažobný priemysel ako
  rozvoju v Európe → dosiahnuť väčšie
  priemyslu v spoločnosti
- propagovať ťažobný priemysel smera
  v Európe ako:
  - ekonomicky veľmi dôležité odvetv
  - zodpovedné odvetvie voči životn
  - zodpovedného zamestnávateľa.
  - inovatívne odvetvie.
  - úložisko zásadných odborných zn
    materiálov pre tvorbu stratégií.
- určiť Euromines za vedúceho hovorcu
  v Európe.
- maximalizovať pozitívny imidž priemys

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Thank you for your attention

Ďakujeme za pozornosť

Panasonic

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