

ECCP WG on the EU ETS Review

Expanding the EU ETS to include CH₄ from coal mines?

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Agenda

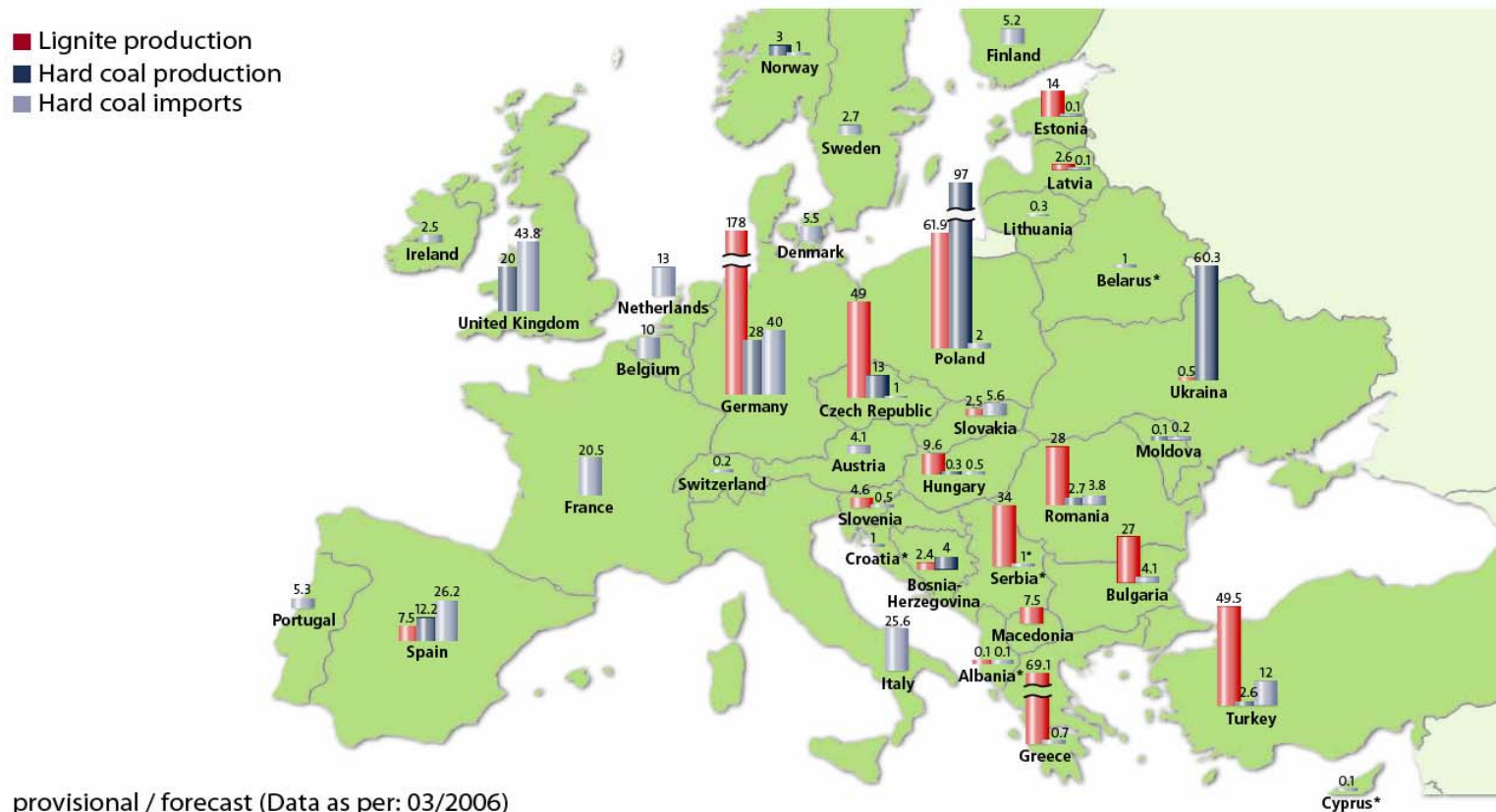
EURACOAL

- Who is EURACOAL?
- Greenhouse gas emissions in the EU
- CH₄ and coal mining
- Caveats
- Conclusions

Who is EURACOAL?

Coal in Europe

Lignite production, hard coal production and imports in Mt in 2005



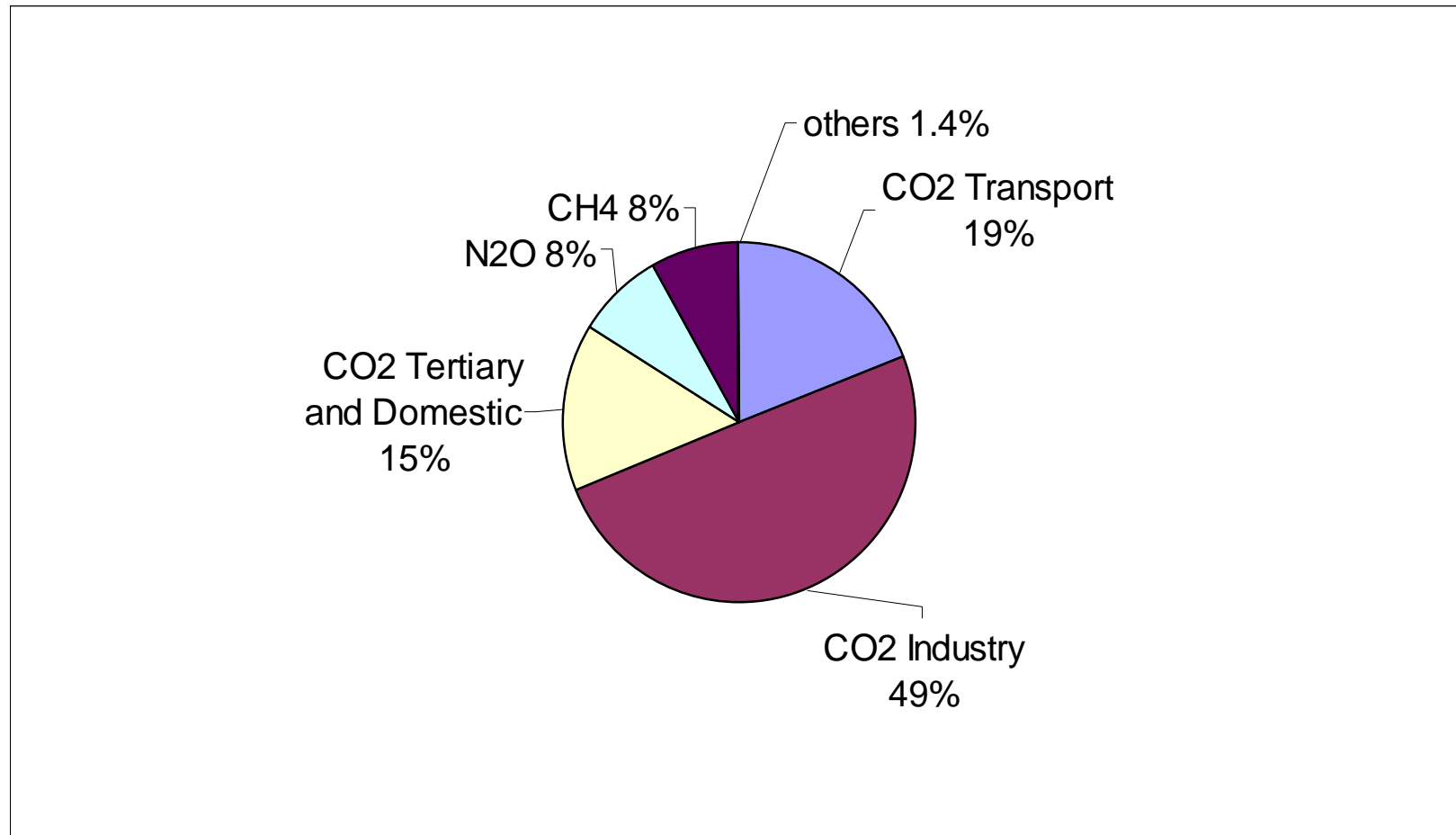
provisional / forecast (Data as per: 03/2006)
*2003/2004

Who is EURACOAL?

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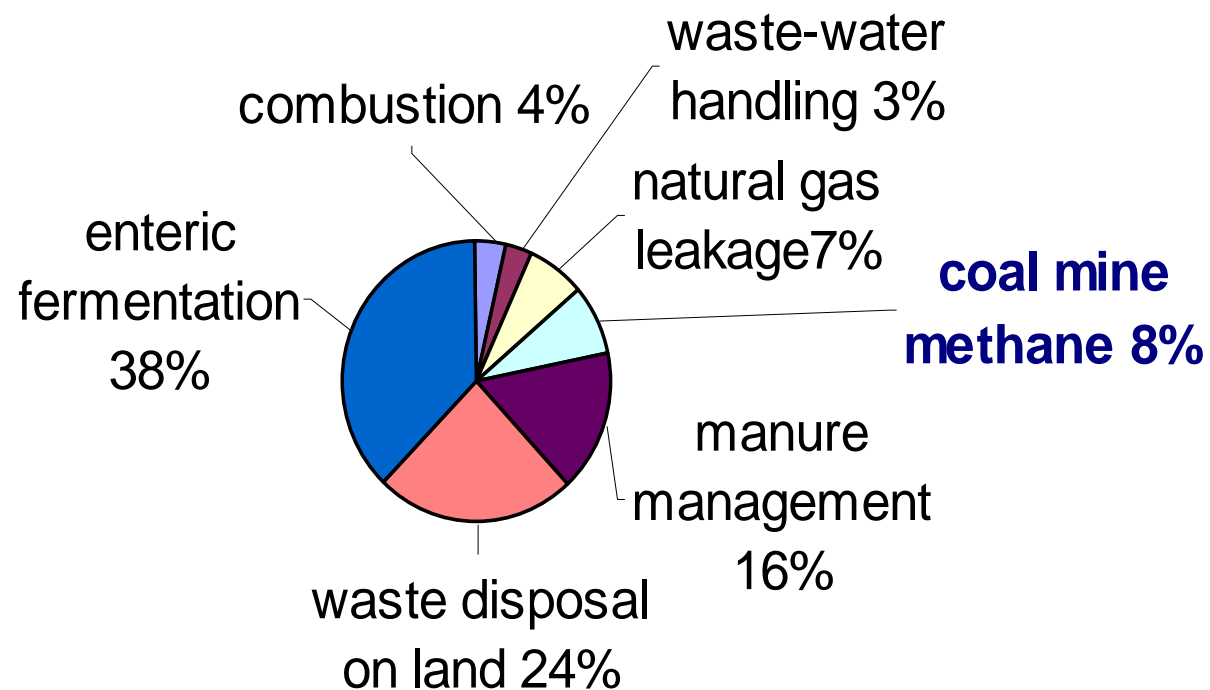
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- DEBRIV - Deutscher Braunkohlen-Industrie-Verein (GER)
 - GVSt - Gesamtverband des deutschen Steinkohlenbergbaus (GER)
 - COALPRO - Confederation of the UK Coal Producers (UK)
 - CdF - Charbonnages de France (FRA)
 - PPC - Public Power Corporation (GR)
 - ZPWGK - Polish Hard Coal Employer's Association (POL)
 - CARBUNION - Federation of Spanish Coal Producers (ESP)
 - ZSDNP - Czech Confederation of Coal and Oil Producers (CZR)
 - PPWB - Confederation of the Polish Lignite Industry (POL)
 - Mini Maritza Istok AG (BUL)
 - MATRA - Matra Erömu Rt (HUN)
 - PATROMIN - Federation of the Romanian Mining Industry (ROM)
 - VDKI - Verein der Kohlenimporteure (GER)
 - Hornonitrianske Bane Prievidza (SVK)
 - Banovici Coal Mine (BOS)
 - EPS - Electric Power Industry of Serbia (SER)
 - ISSeP - Institut Scientifique de Service Public (BEL)
 - University of Nottingham (UK)
 - IMCL - International Mining Consultants Ltd. (UK)
 - Coaltrans Conferences Limited (UK)
 - Euriscoal (BEL)
 - Fachverband Bergbaumaschinen im VDMA (GER)

GHG emissions in the EU



EU25 CH4 emissions in 2003

EURACOL



CH₄ and coal mining

- Methane is released from active and abandoned mines.
- Methane is explosive in air at concentrations of 5-15 % by volume.
- Mining law stipulates max. CH₄ concentrations of 1%.

CH₄ and coal mining

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Two gas qualities:

- ventilation air methane (concentrations < 1%)
- CH₄ from drained areas (concentrations 22 - >60% by vol.)

Caveats

- Safety aspects
- Geological aspects
- Technical aspects
- Size of the problem

Size of the problem

- Clear downward trend
(- 20% by 2020 compared to 1990)

“European methane emissions are projected to reduce under business as-usual policy commitments. As such, the Commission should assess the ‘size of the remaining’ problem in considering the potential for additional policy measures related to methane.”

- Share in global CH₄ emissions
0.25%

Conclusions

- Methane emissions from coal mines vary strongly.
- Key requirements for an inclusion in the EU ETS need to be met with a high degree of accuracy.
- Decision on an inclusion needs to be based on a careful consideration of all pros and cons. In particular, it has to yield real environmental benefits at acceptable expenditure.