

Options to set an EU-wide cap

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Towards a Real World Approach (1)



- The (economist's) perfect world:
 - all sources included, the commitment is the cap
- Approaching the real world
 - a strong link exists between the EU ETS and the international climate regime
 - EU ETS is a partial scheme, two caps must be set on the EU level
 - cap for the traded sectors (privatisation of AAUs)
 - all installations together must comply with
 - cap for the non-traded sectors
 - Who must comply with ('Who must pay for the credits eventually needed for compliance?')?
 - » 'The EU'?
 - » The Member States?

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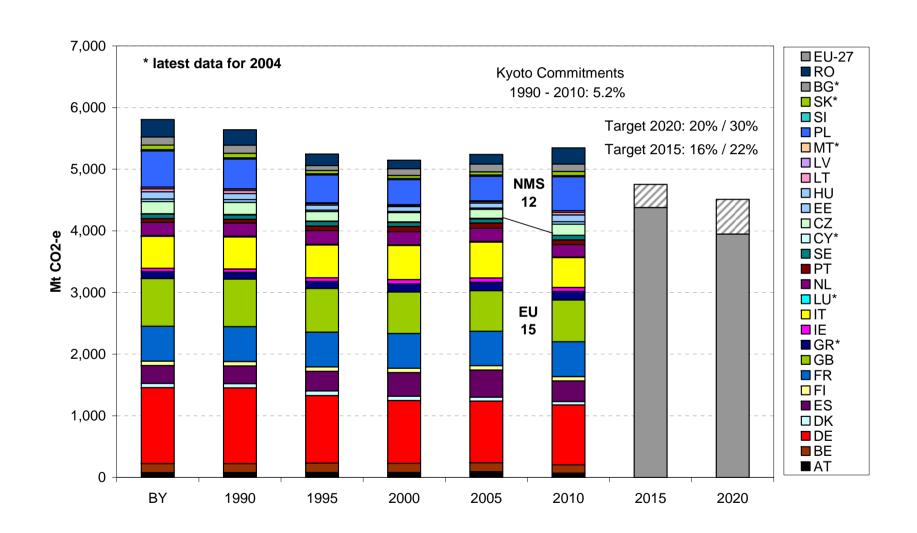
Towards a Real World Approach (2)



- General options to define an EU-wide cap (all combinations possible, not necessarily all feasable or meaningful ...)
 - 1. 'Efficiency approach' equilibrium of marginal abatement costs of traded and non-traded sectors defines both, the cap for the traded and the cap for the non-traded sectors
 - 2. 'Equal burden approach' equilibrium of compliance costs of traded and non-traded sectors
 - 3. 'Grandfathering approach' proportional reduction of the traded and the non-traded sectors
 - 4. 'Equity based approach' caps are calculated on the basis of benchmarks (of all kinds and combinations ...)
- Options 1 and 2 require two key agreements
 - Member States agree on methodology (and model)
 - Member States agree on key parameters (assumptions on fuel prices, economic growth, etc.)

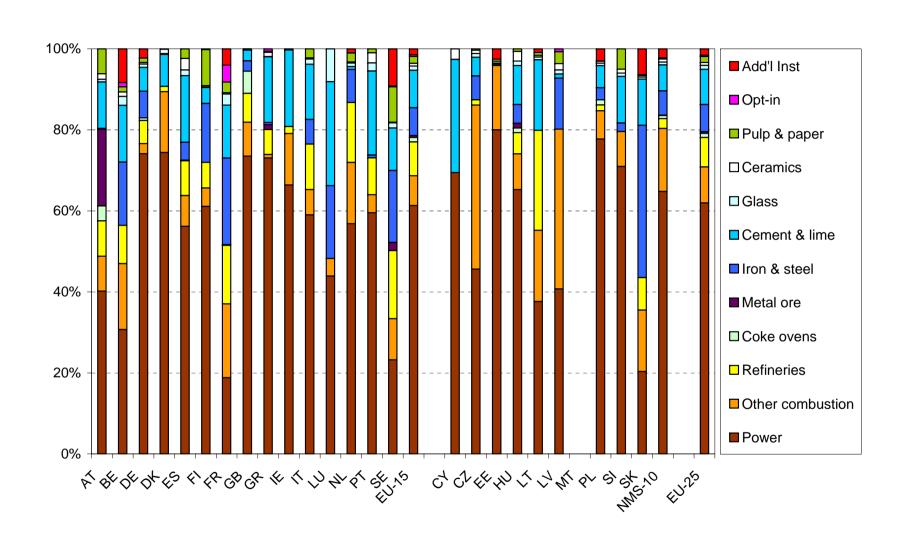
Some Data: GHG-6 Emissions EU-27 – BY - 2005 and 2015 - 2020





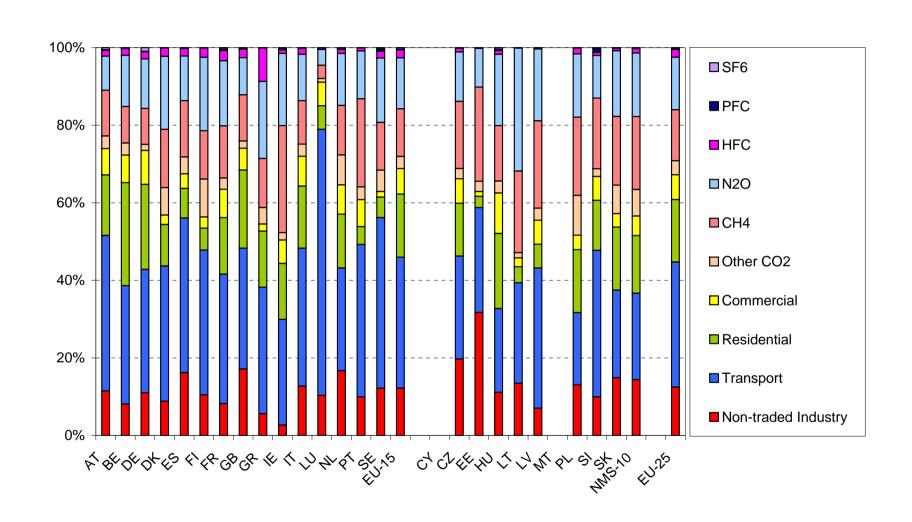
Some Data (2) EU ETS (2006) - Variety of Sectors





Some Data (3) Non-traded Sectors & Gases





Preliminary Conclusions



- IF the strong ties will be maintained between the EU ETS and the international climate regime AND
- IF the Member States will have their own commitments in addition to an EU commitment within the international regime
- THAN national caps must directly or indirectly (as a result from the commitments for the total emissions and the ETS cap) must be defined
- However, a much more harmonised approach is necessary
 - to avoid distortions in the Internal Market
 - to ensure compliance to the EU cap
 - considering the increasing importance of EU P&M
- A harmonised approach to define the national ETS caps is appropriate on the EU ETS activity levels, because
 - traded sectors face the Internal Market and therefore a comparable situation (competition, growth, etc.)
 - the range of non-traded sectors' structure is more narrow

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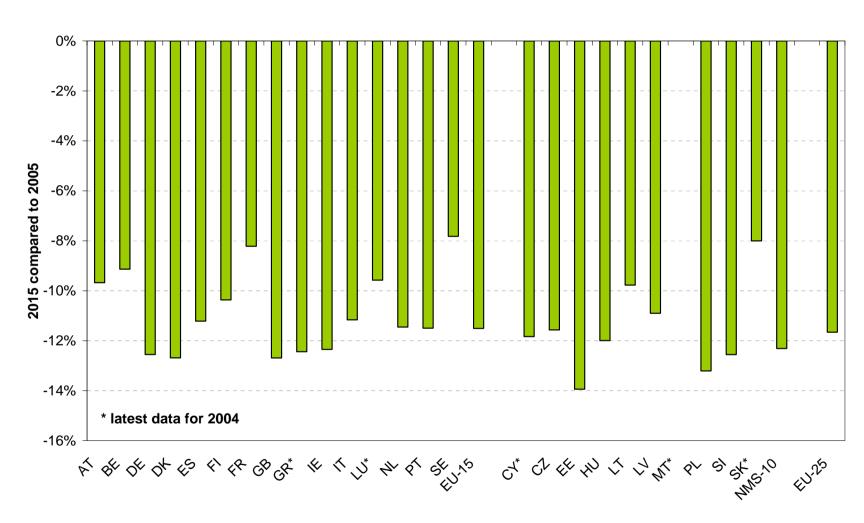
A Thought Experiment (1) Derivation of the EU ETS Cap(s)



- w/o LULUCF, w/o international bunkers
- National ETS caps based on a common approach in the framework of an EU cap
 - flat rate reduction differentiated by ETS sectors (instead of such grandfathering approach also EU benchmarks, etc. could be applied)
 - for EU-25 (no sufficient data available for BG & RO)
 - power -15%, other combustion -10%, all other activities -5%
 - ETS cap -11.7% (2005), non-traded sectors -7.6% (2005), assuming a EU-27 target of -16% (1990)
 - sensitivity: power -25%
 - ETS cap -17.9% (2005), non-traded sectors -3.2% (2005), assuming a EU-27 target of -16% (1990)

A Thought Experiment (2) Traded Sector Cap (case T16% - P15%)





A Thought Experiment (3) The Non-traded Sectors & Gases



- How to distribute additional 220 Mio t CO2-e emission reduction from the non-traded sectors & gases among the MS?
 - general approach
 - flexibility by CER / ERU / AAU purchases
 - policies and measures
 (EU-wide P&M as well as national P&M)

Some Conclusions



- If MS face separate commitments under the international regime national caps are inevitable
- However, an EU-wide common approach differentiated by ETS activities (+power) is necessary, appropriate and feasible
 - with robust (ETS sector+) grandfathering or benchmarking approaches
 - for model based approaches (equilibrium of MAC or total costs) more data and research will be necessary
- In the framework of recent 'Kyoto World' ETS interactions the ETS installations constitute an 'additional MS', additional P&M of EU and MS must address non-traded sectors (and proof gap closure)
- Strong ties between burden sharing agreement & EU ETS cap definition should lead to procedural consequences
- Sufficiently robust and precise criteria for national caps based on EU-wide methodology can be formulated





Thank you very much

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