

# **The competitiveness of the glass and ceramics industry & the EU climate and energy package**

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**Hnutí DUHA**

# Business as usual CO<sub>2</sub>:

- ~ temperature increase ~ appx. half of the difference between the last Ice Age and now
- ±1.5 °C, 90% certainty

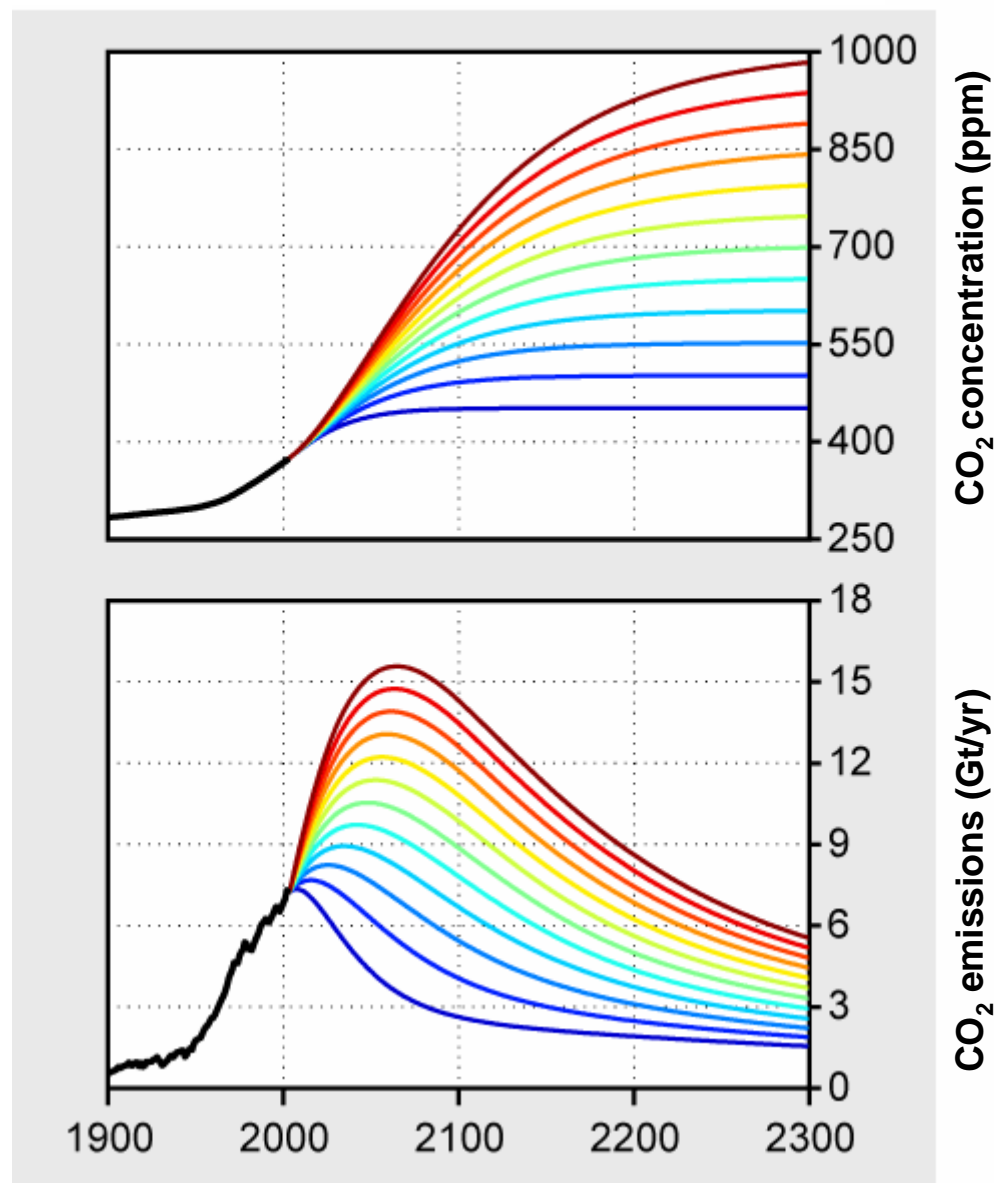


# EU will cut carbon emissions

- **Reasonable objective: +2 °C**
- **~ 450 ppm CO<sub>2</sub> in the air**
- **~ cut worldwide emissions by 50% by 2050**
- **~ EU: by 80%**



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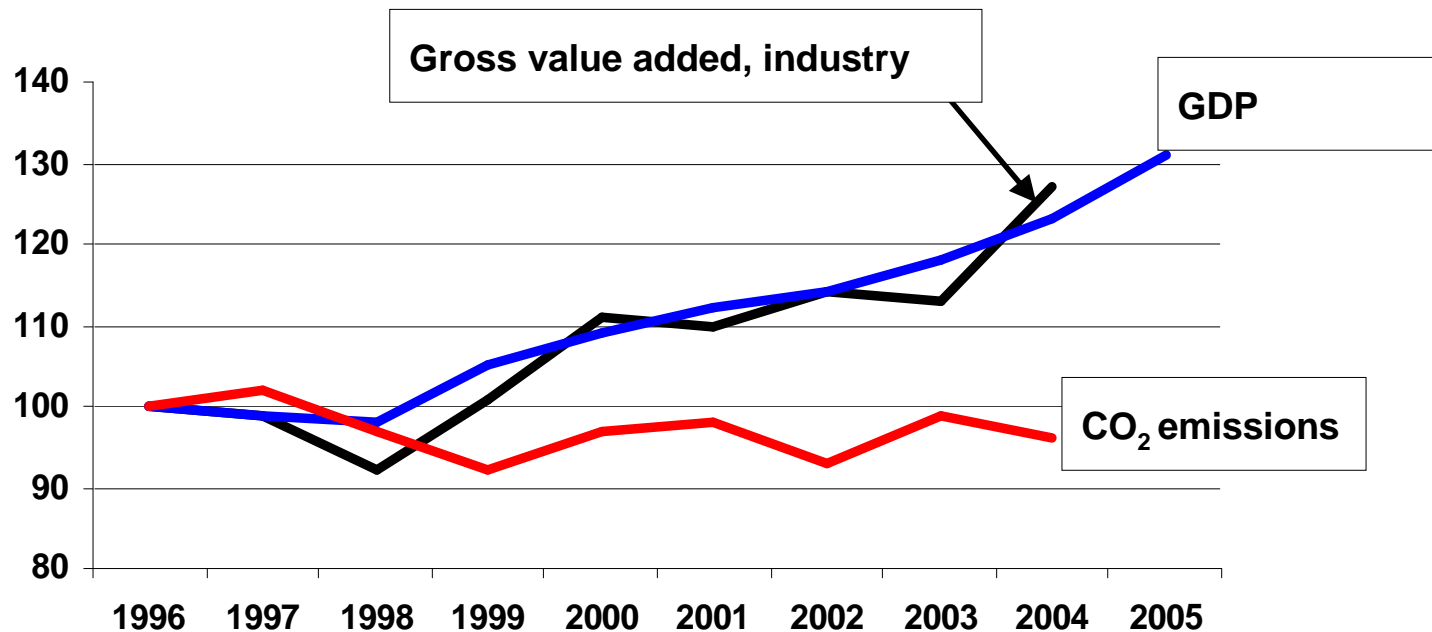


# Economic balance sheet

- **CO<sub>2</sub> reduction costs will reduce economic growth by 0.12%/year by 2030 (total GDP reduction < 3%)**
- **Economic impact of climate change: 5% of GDP; including health and environmental costs: > 11 % of GDP**
- **And humanitarian costs would be much larger**



# Economy grows (yes, it used to), CO<sub>2</sub> emissions stagnate



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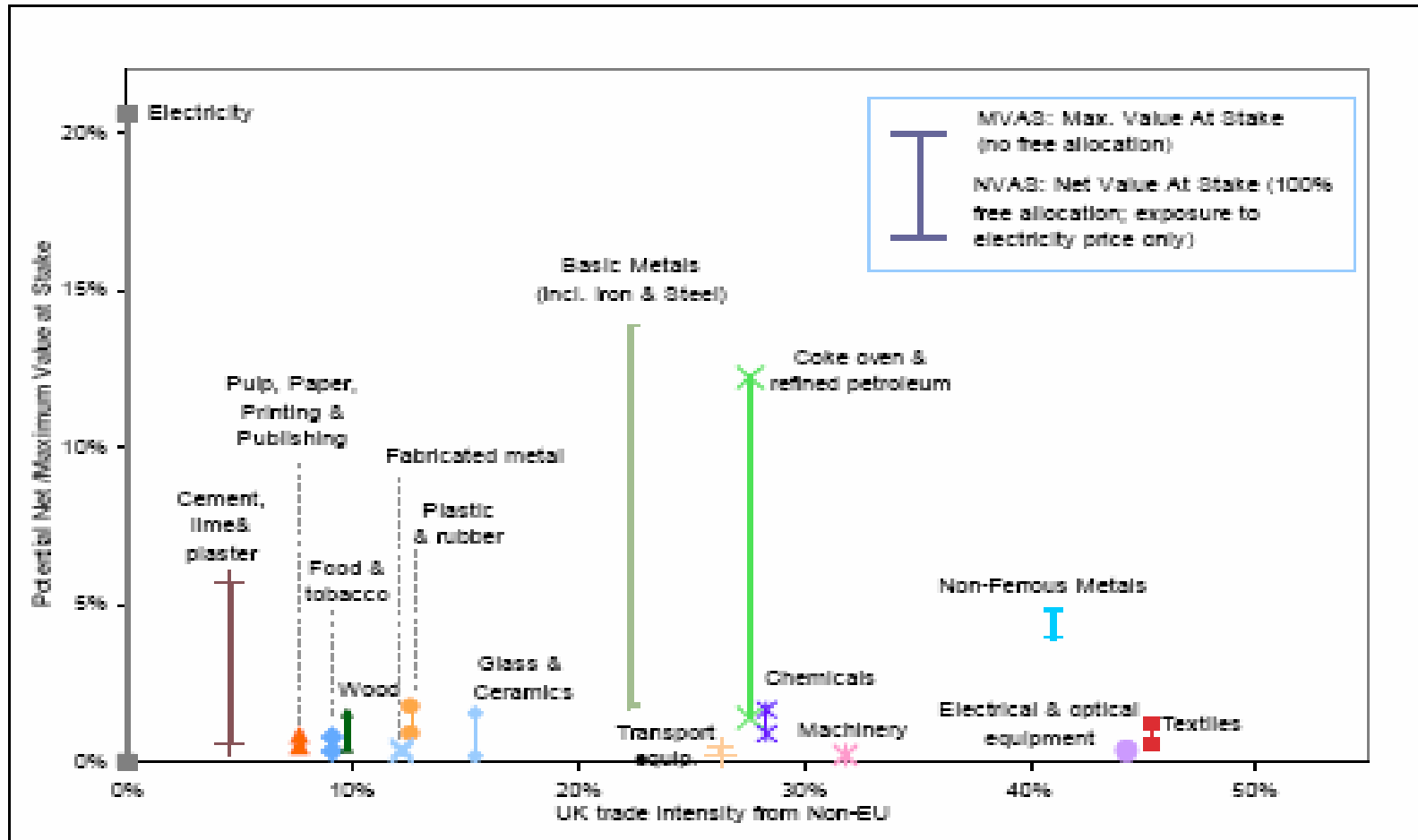
Hnutí DUHA, after MŽP 2006 and ČSÚ 2006

# **No one wants carbon leakage**

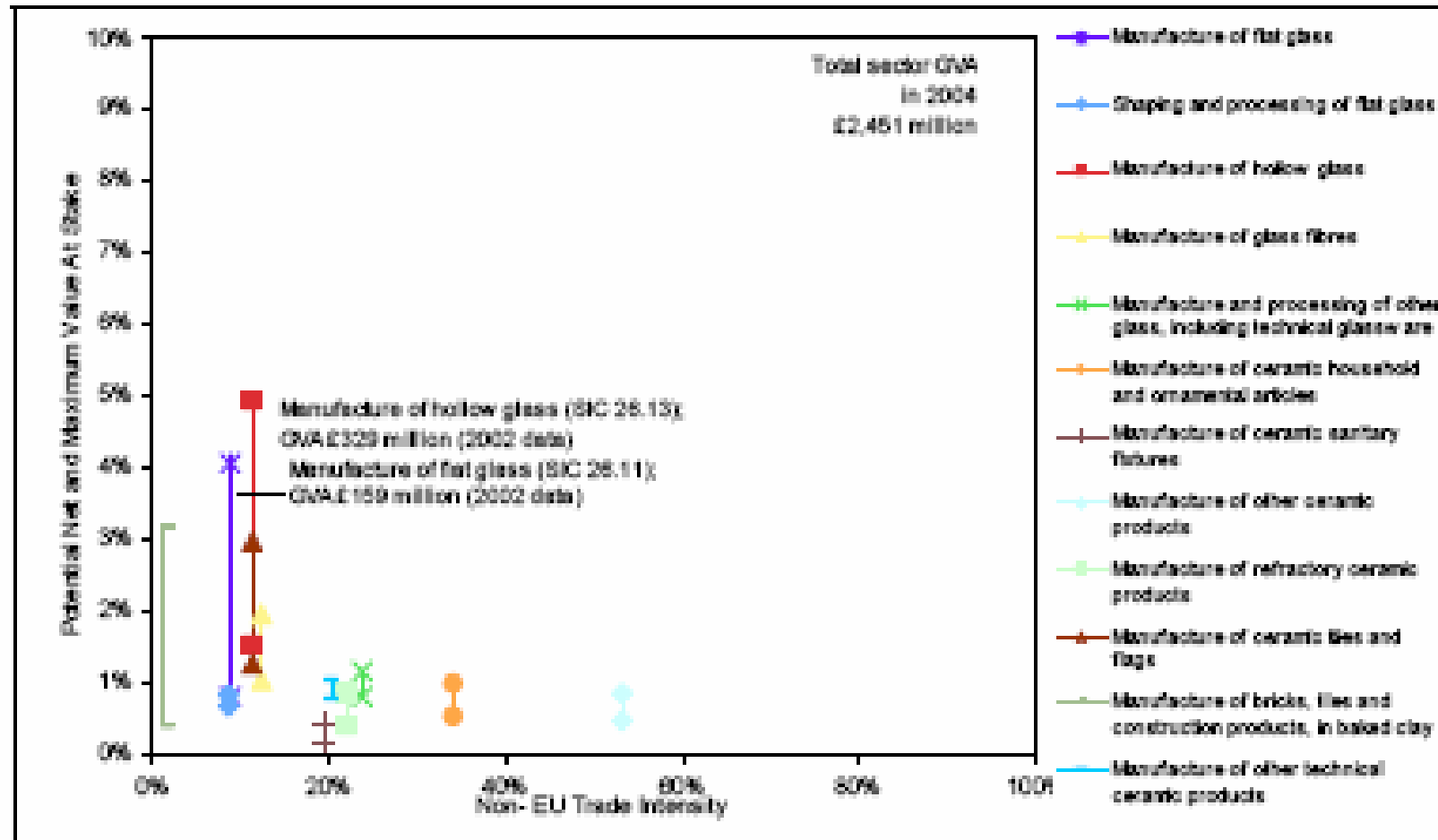
- **Outsourced CO<sub>2</sub> is still CO<sub>2</sub>**
- **This issue needs to be addressed**
- **About one third of Chinese emissions is export goods**
- **EU imports ~ 12% of EU emissions**



# Value at Stake, main industries



# ...and glass and ceramics





# EU Emission Trading Scheme

- **The cheapest way to cut emissions**
- **An opportunity to escape emission reductions when expensive**
- **EU, USA, Australia and others**



# Climate Change Act, UK-style

- **Size, speed and shape of CO<sub>2</sub> reduction**
- **UK: widespread agreement on the legislation**



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**Thank you**



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