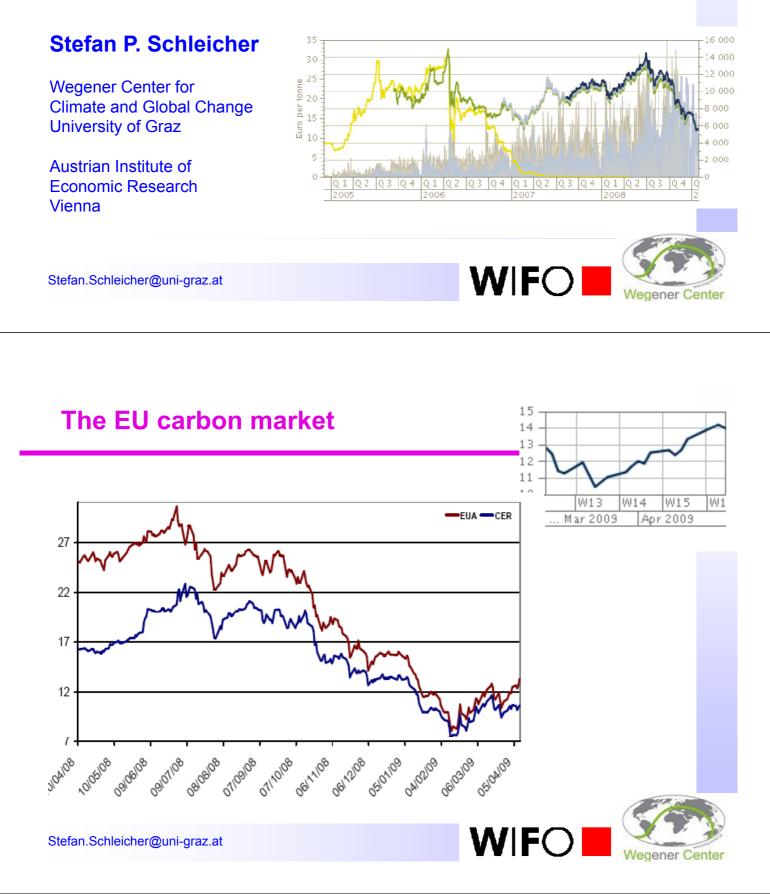
Rethinking EU carbon market policies

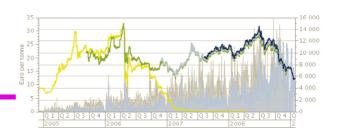
Safeguarding against price volatility and carbon leakage



My propositions

- The EU Emissions Trading System (ETS) is an unprecedented and unique policy activity.
- It has the potential for shaping energy and climate policy.
- It has also the potential for re-designing economic development on a global scale.





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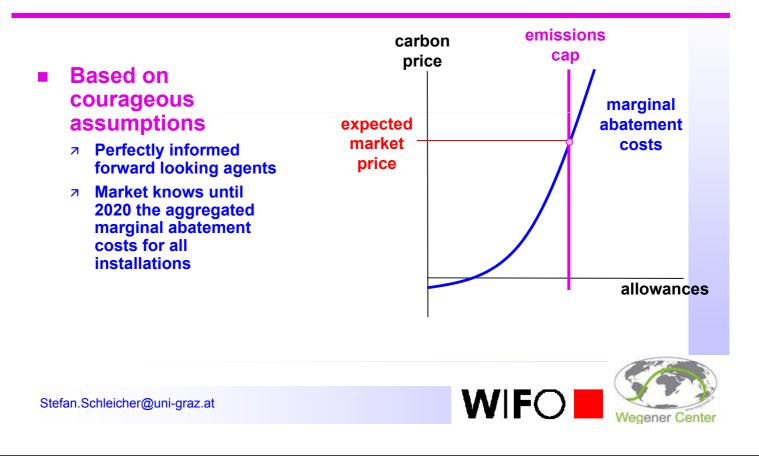
Understanding the carbon market



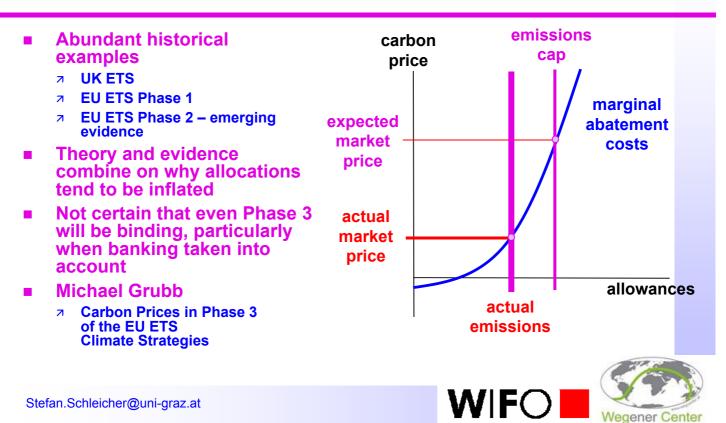
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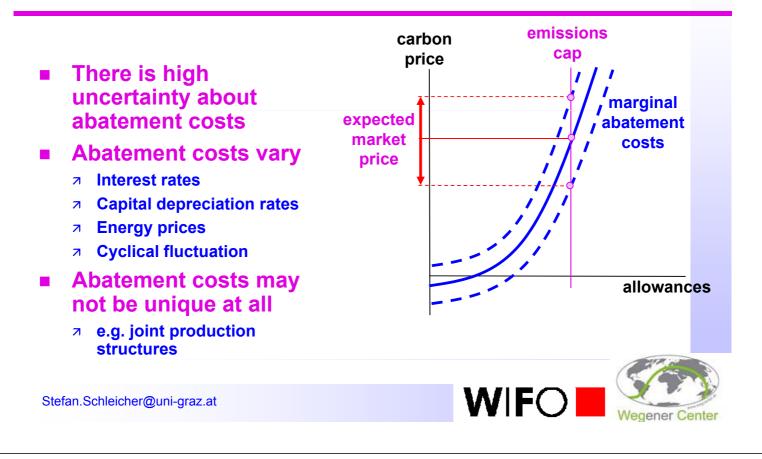
The carbon market The simplistic view



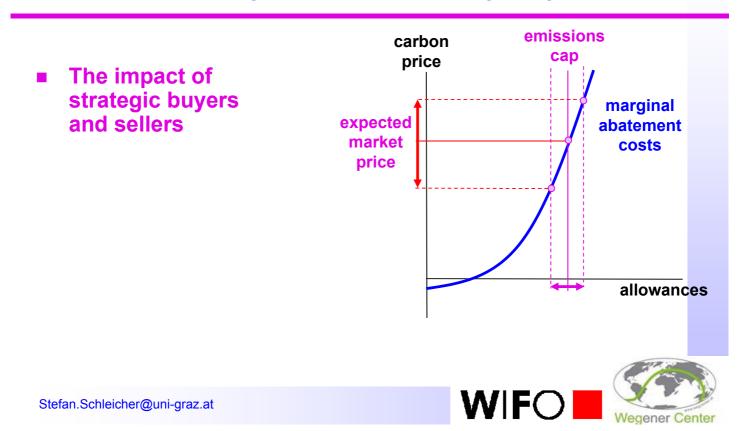
The carbon market and a bit more reality The cap may not be binding



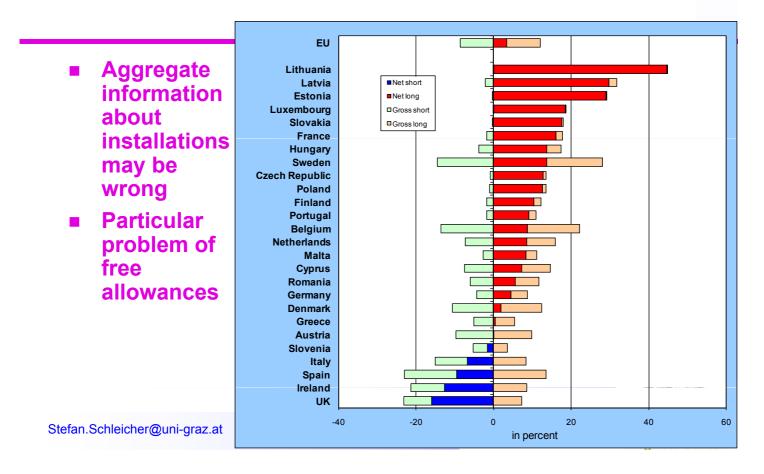
The carbon market and a bit more reality Perceived abatement costs may vary



The carbon market and a bit more reality Perceived supply of allowances may vary



The carbon market and a bit more reality





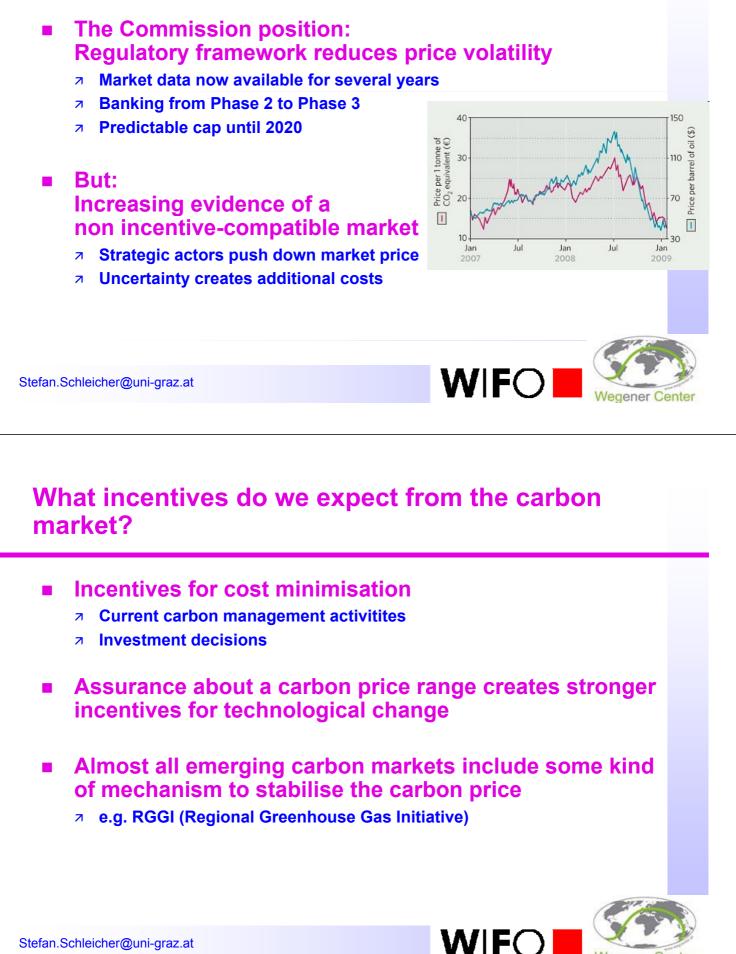
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Rethinking the design of the carbon market



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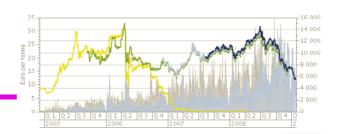
The current controversies about EU ETS market



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Steps to a carbon market management A coordinated procedure for auctioning





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Making the decisions about ETS in phase 3 operational



Dealing with carbon leakage Major problems with data requirements

Problems with publicly		Relative carbon cost impact CITL UNFCCC	
available data		%	%
 Incomplete Limited reliability Limited comparability 	Austria Belgium Bulgaria Czech Republic Denmark	12% 8% 91% 10%	13% 10% 94% 23%
 among Member States Disaggregated data needed 	Estonia Finland France Germany	9% 17% 7%	9% 13% 14%
 Gross value added Direct carbon emissions Electricity input 	Greece Hungary Ireland Italy Latvia	4% 15% 8%	4% 28% 6%
 Assumptions needed Carbon price Impact of carbon price on electricity price 	Lithuania Luxembourg Netherlands Poland Portugal Romania	11% 5% 58%	22% 5% 37%
Stefan.Schleicher@uni-graz.at	Slovakia Slovenia Spain Sweden United Kingdom	3% 6% 5% 29%	4% 8% 4% 31%

Dealing with carbon leakage A cooperative procedure for CL and benchmarking (1)

- Without the cooperation of sectors / sub-sectors it is hardly possible to determine reliable carbon cost indicators
- Sectors / sub-sectors which see a risk of CL are invited to opt-in for Carbon Market Monitoring
 - The opt-in procedure eliminates the need for deciding on NACE 3 or 4 categories



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Dealing with carbon leakage A cooperative procedure for CL and benchmarking (2)

- The CM Monitoring is done annually and determines
 - **7** The actual carbon cost and trade intensity indicators
 - **The updated list of sectors / subsectors exposed to CL**
- The information provided for CM Monitoring also serves for the distribution of free allowanced to installations by a benchmarking procedure



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Thank you.

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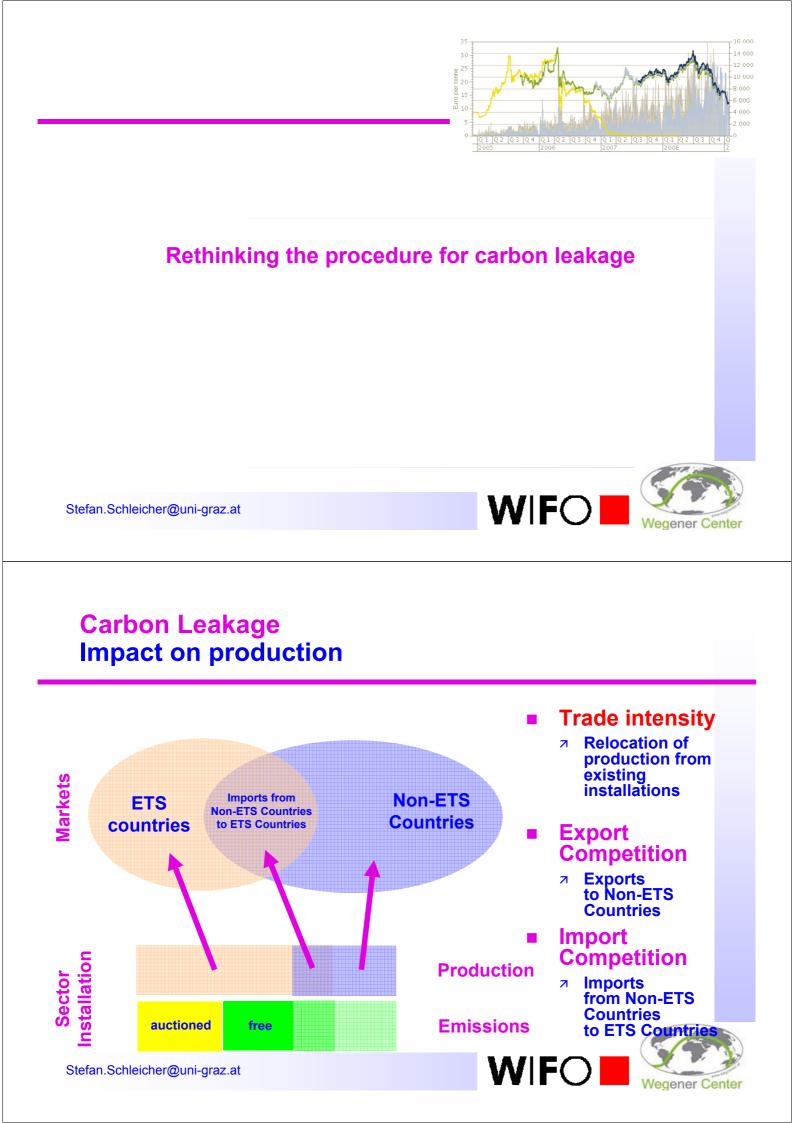
Austrian Institute of Economic Research Vienna

Wegener Center for Climate and Global Change University of Graz

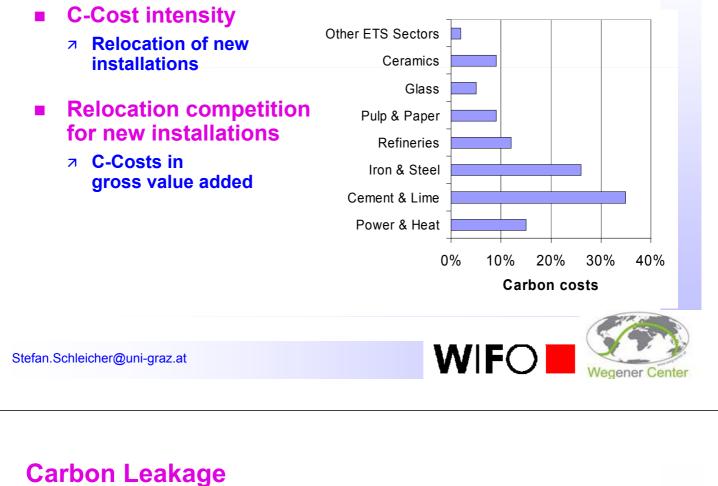


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Carbon Leakage Impact on investments



Some indicators

 Sectors and individual product classes are exposed to carbon leakage for different reasons and to different degrees

