

'Lessons' from Climate Change and Energy Policy in Western Countries

Xavier Labandeira

FSR Climate, EUI
Universidade de Vigo, Spain

China's Climate Policies and Low-carbon Innovation

Our Common Future under Climate Change
Paris, 8 July 2015



Why this?

- 2050 Roadmap
- 2020 Climate and Energy Package
 - 20% reduction in EU GHG emissions from 1990
 - 20% of renewable energy consumption
 - 20% improvement in Energy Efficiency
- 2030 Framework for Climate and Energy
 - Binding EU target: -40% reduction of GHG by 2030
 - 27% of renewable energy at EU level
 - Energy efficiency increase of at least 27%
 - 15% interconnection between Member States



Why this (2)?

- EU ETS
- Renewable promotion
- Energy Efficiency policies
- Energy/carbon Taxes



Why this (3)?

- Coverage/non coverage by EU ETS
- Supplementary effects
 - 'Low prices'
 - Market failures
- Other non-GHG objectives, but collateral effects
- Jurisdictional issues
- And, of course, interactions...



EU ETS

- “The system works”
- Learning by doing process
- Low price debate
- Successful multinational collaboration

(China session, Helsinki 2015)



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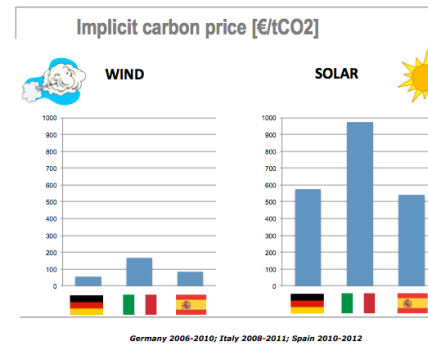
WORKING PAPERS

RSCAS 2014/04
Robert Schuman Centre for Advanced Studies
Climate Policy Research Unit

The EU ETS: Eight Years and Counting

Denny Ellerman, Claudio Marcantoni and Aleksandar Zaklan

Renewables as Climate Policies



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WORKING PAPERS

RSCAS 2014/28
Robert Schuman Centre for Advanced Studies
Climate Policy Research Unit

The Implicit Carbon Price of Renewable Energy Incentives in Germany

Claudio Marcantoni and A. Denny Ellerman



Energy Efficiency and Climate Policies: A Scoping Meeting for the FSR Climate

Organiser: **Xavier Labandeira** | Director, FSR Climate/ELR
Sala del Capitolo, Badia Fiesolana
Via dei Rozzettini, 9 - San Domenico di Fiesole

7 November 2014

PROGRAMME

Time	Session	Topic	Speaker
08:45-10:45	Session 1: General framework		
08:45		Introduction and presentation of participants	Xavier Labandeira
09:00		Energy efficiency and climate policy: the big picture	Tyler Bryant
09:20		Energy efficiency policy instruments: issues for application	Lisa Ryan
09:40		EU energy efficiency policies	Serena Pontoglio
10:00		Energy efficiency and interactions with other climate policy instruments	Okkar Lecogher
10:20		Debate	
10:45-11:15	Coffee		
11:15-13:15	Session 2: Research needs and gaps		
11:15		Issues for future energy efficiency policies in the EU residential sector	Paolo Bertoldi
11:35		Energy efficiency policies: the vision of an international power company	Gonzalo Saenz
12:55		Funding energy efficiency	Juan Alberto Manuel Duñas
12:15		Unlocking energy efficiency in transport	Andreas Schäfer
12:40		Debate	
13:15-14:30	Lunch		
14:30-16:40	Session 3: Ex-post analysis		
14:30		Energy efficiency policy issues, methods and data	Matthew Kotchen
15:00		An overall assessment of energy efficiency instruments	Magnus Söderberg
15:20		Nudging energy efficiency	Giovanna D'Adda
15:40		Policy packages, distribution and empirical results for Spain	Xavier Labandeira/Ana Ramos
16:00		Some empirical results for France	Louis-Gaëtan Graudet
16:20		Some empirical results for Germany	Kathrine Von Graevenitz
16:40-17:30		Debate, wrap up and departure	



The legal framework





ENERGY/CARBON TAXATION AND CLIMATE POLICIES: A SCOPING MEETING FOR FSR CLIMATE

Academic Coordinator: **Xavier Labandeira** | Director FSR Climate/EUI

Seminar Room, Villa Malafrauca
Via Boccaccio, 151 - Florence

12 December 2014

PROGRAMME

08.45-10.55	Session 1: Energy/Environmental Taxation and Climate Policy
08.45-09.00	Introduction and presentation of participants Xavier Labandeira
09.00-09.20	Energy taxes and climate policy: the big picture Mikael Skov Andersen
09.20-09.40	Energy and carbon taxation in the world Xavier Labandeira
09.40-10.00	Climate policy interactions Carolin Fischer
10.00-10.20	EU energy taxation: Present and future Carola Maggiali
10.20-10.55	Debate
10.55-11.20	Coffee break
11.20-13.30	Session 2: Empirical Analysis for the EU
11.20-11.40	Taxes and climate policy in Sweden Susanne Alarfeldt
11.40-12.00	Ex post analysis: the Dutch experiment Herman Vollsberg
12.00-12.20	Micro methods and data José María Labaraga
12.20-12.40	General equilibrium modelling Stefano Verde
12.40-13.00	Macro methods and data Hector Pollitt
13.00-13.30	Debate
13.30-14.30	Lunch
14.30-16.10	Session 3: Assessing Obstacles to Progress
14.30-14.50	Competitiveness effects Sebastian Petrick
14.50-15.10	Distributional issues I: methods, data and results Silvia Tiezzi
15.10-15.30	Distributional issues II: compensatory policies Florens Pflaeg
15.30-15.50	Acceptability and environmental taxes Todd Cherry
15.50-16.10	Identifying and overcoming barriers Stephen Smith
16.10-17.15	Debate, wrap up and departure



Conclusions

- ❑ EU ETS: major policy tool
- ❑ Several non-EU ETS GHG mitigation policy instruments
- ❑ Mostly at a MS level
- ❑ Limited empirical evidence on effects
- ❑ Synergies and interactions may occur
- ❑ But non-GHG mitigation reasons are significant
- ❑ Limits to energy/carbon taxation



THANKS

Xavier.Labandeira@eui.eu

www.labandeira.eu

