

**Stefano Verde (EUI)**, Maria Pazienza: *Replacing Italy's RES-E Surcharge with a Carbon Tax: A Macroeconomic Analysis*

**Justice Tei Mensah (SLU)**: *Time Varying Dynamics of Aggregate Energy Demand in Ghana*

**Frank Pothén (ZEW)**, Michael Schymura: *Bigger Cakes with Less Ingredients? A Comparison of Material Use of the World Economy*

Alexander Rohlf, Daniel Römer, **Kathrine von Graevenitz (ZEW)**: *The Effect of Emission Information on Housing Prices in Germany*

Michael Hanemann, Xavier Labandeira, **José M. Labeaga (UNED)**, Xiral López: *Identifying Energy Demand from Discrete Changes*

**Session 6** Chair: **Massimo Tavoni**

Sebastian Petrick, **Ulrich Wagner (UC3M)**: *The Impact of Carbon Trading on Industry: Evidence from German Manufacturing Firms*

**Jean Philippe Nicolai (ETH)**: *Conditions for Profit-neutral Permit Allocations*

**Sanjay Patnaik (GWU)**: *Cap(-)ture and Trade Arbitraging by Multinational Firms in the European Union Emissions Trading Scheme (EU ETS)*

**Meriem Hamdi-Cherif (CIRED)**, Henri Waisman: *Economic Globalization, Global Energy Issues and Climate Change. China in Global Perspective*

**Sylwia Bialek (Goethe)**, Alfons J. Weichenrieder: *Do Stringent Environmental Policies Deter FDI? M&A versus Greenfield*

**Aleksandar Zaklan (EUI)**, Vanessa Valero, Denny Ellerman: *An Analysis of Allowance Banking in the EU ETS*

### Workshop Committee

*Chairs:*

Xavier Labandeira (Vigo and EfE)

Andreas Löschel (ZEW and EfE)

Carlos de Miguel (Vigo and EfE)

Denny Ellerman (EUI)

Michael Hanemann (Arizona State)

Pedro Linares (Comillas and EfE)

Juan-Pablo Montero (PUC Chile and EfE)

Massimo Tavoni (FEEM and EfE)

economics  
for  
energy

ZEW

Zentrum für Europäische  
Wirtschaftsforschung GmbH  
Centre for European  
Economic Research



2014

25-26 June

Workshop

6<sup>th</sup> Atlantic  
Workshop on Energy  
and Environmental  
Economics

Frontiers in the  
Economics of Energy  
Efficiency

A Toxa, Galicia (Spain)

# Program

## Wednesday, 25 June

08:30 - 08:45 Registration

08:45 - 09:00 Welcome address

09:00 - 11:00 **Invited papers.** Chair: **Xavier Labandeira**

**Anna Alberini (Maryland):** *Information v. Energy Efficiency Incentives: Evidence from Residential Electricity Consumption in Maryland*

**Antoine Dechezlepretre (LSE):** *Knowledge Spillovers from Clean and Dirty Technologies*

**Kenneth Gillingham (Yale):** *Heterogeneity in the Response to Gasoline Prices: Evidence from Pennsylvania and Implications for the Rebound Effect*

**Frank Jotzo (ANU):** *Carbon Pricing in China and Australia*

**Juan Pablo Montero (PUC Chile):** *Driving Restrictions: Do They Make Drivers Buy Dirtier or Cleaner Cars?*

11:00 - 11:30 Coffee break

11:30 - 13:00 **Keynote lecture**

**Richard Schmalensee (MIT):** *The MIT Future of Solar Energy Study: Emerging Highlights?*

13:00 - 14:00 Lunch

14:00 - 15:30 **Roundtable: *Frontiers in the Economics of Energy Efficiency.*** Denny Ellerman (EUI), Michael Hanemann (ASU), Xavier Labandeira (Vigo and EfE), Andreas Löschel (ZEW), Ignacio Pérez-Arriaga (UPC and MIT), Kanako Tanaka (LCS Japan)

15:30 – 15:45 Coffee break

15:45 - 17:45 **Parallel sessions**

**Session 1** Chair: **Pedro Linares**

François Cohen, **Matthieu Glachant (CERNA)**, Magnus Söderberg: *The Impact of Energy Prices on Energy Efficiency: Evidence from the UK Refrigerator Market*

**Zeus Guevara (IST)**, Tânia Sousa, Tiago Domingos: *An Approach for a Better Evaluation of Energy Efficiency Trends Using Index Decomposition Analysis and Useful Work Accounting*

Anna Alberini, **Andrea Bigano (FEEM):** *How Effective Are Energy-efficiency Incentive Programs? Evidence from Italian Homeowners*

**Anna Risch (IREGE):** *Environmental Fiscal Incentives: Effectiveness or Free-riding Effect? An Econometric Evaluation of the French Energy Tax Credit*

Florens Flues, **Benjamin Lutz (ZEW):** *The Effect of Electricity Taxation on the German Manufacturing Industry: a Regression Discontinuity Approach*

Alicia Pérez, **Ana Ramos (Vigo and EfE)**, Susana Silva: *Valuing Energy Performance Certificates in the Portuguese Residential Sector*

**Session 2** Chair: **Carlos de Miguel**

**Alberto Ansuategui (UPV/EHU)**, Simone Marsiglio: *Is Environmental Protection Expenditure Beneficial for the Environment?*

**Johannes Emmerling (FEEM):** *Sharing of Climate Risks Across World Regions*

**James Lennox (FEEM)**, Jan Witajewski: *Directed Technical Change with Capital-embodied Technologies: Implications for Climate Policy*

**Thomas Kuhn (TU Chemnitz)**, Michael Pickhardt, Frauke Voosholz: *Sustainable Energy, Indirect Land Use Change and Global Warming*

Zeba Anjum, Paul Burke, Reyer Gerlagh, **David Stern (ANU):** *Integrating the IPAT, Environmental Kuznets Curve, and Emissions Convergence Models Using Long-run Growth Rates*

20:30 Dinner

## Thursday, 26 June

09:00 -11:00 **Parallel sessions**

**Session 3** Chair: **Denny Ellerman**

**Stefen Lamp (EUI):** *Projection Bias in Household Investment: The Case of Solar Photovoltaics in Germany.*

**Andreas Gerster (RGS Econ):** *Fundamental Drivers of Regime-switching: An Analysis of German Power Prices*

**José M. Chamorro (UPV/EHU)**, Luis M. Abadie, Richard de Neufville: *Measuring Performance of Long-term Power Generating Portfolios*

Baltasar Manzano, José M. Martín-Moreno, **Rafaela M. Pérez-Sánchez (UCM)**, Jesús Ruiz: *Endogenous Price Asymetries in the Fuel Market: An Application to the Spanish Case*

**Claudio Marcantonini (EUI)**, Denny Ellerman: *The Implicit Carbon Price of Renewable Energy Incentives in Germany*

**Session 4** Chair: **Michael Hanemann**

**Renaud Coulomb (ECP)**, Fanny Henriet: *The Grey Paradox: How Owners Of Carbon-emitting Resources Can Benefit From Optimal Carbon Taxation*

**Anna Grodecka (Bonn)**, Karlygash Kuralbayeva: *Optimal Environmental Policies, Public Finance and Labor Markets over the Business Cycle*

**Louis G. Giraudet (CIRED)**, Sébastien Houde: *Double Moral Hazard and the Energy Efficiency Gap*

**Dorothee Charlier (UM2):** *Split Incentives and Energy Efficiency: Empirical Analysis and Policy Options*

**Claudio Baccianti (ZEW):** *Explaining Trends in Aggregate and Sectoral Energy Intensity: The Composition and Technique Effects Revised*

11:00 - 11:30 Coffee break

11:30 - 13:00 **Keynote lecture**

**Massimo Filippini (ETH and USI):** *Underlying Energy Efficiency in the Residential Sector: an Economic Perspective*

13:00 - 14:00 Lunch

14:00 - 16:00 **Invited papers.** Chair: **Andreas Löschel**

**Ibon Galarraga (BC3):** *The use of “Bonus-malus” Schemes for the Promotion of Energy Efficient Household Appliances: a Case Study for Spain*

**Robert Hahn (Oxford):** *Does Using the Social Cost of Carbon Matter?: An Assessment of U.S. Policy*

**María Loureiro (USC):** *Why don´t you Want to Drive a Hybrid Car?*

**Stephen Sorrell (Sussex):** *Living up to Expectations: Estimating Rebound Effects for UK Households*

**Massimo Tavoni (FEEM):** *Induced Technological Change in Energy Intensive Sectors*

16:00 - 16:15 Coffee break

16:15 - 18:30 **Parallel sessions**

**Session 5** Chair: **Juan Pablo Montero**

**Stefano Carattini (HEG Genève)**, Andrea Baranzini: *Paying Enough Taxes Already? Testing the Acceptability of Carbon Taxes with Survey Data*