

14th Toulouse Conference on the Economics of Energy and Climate

Toulouse, June 6-7, 2024

CONFERENCE VENUE

Toulouse School of Economics (TSE)
1, Esplanade de l'Université
Auditoriums 3 & 4
31080 Toulouse Cedex 06

ORGANIZING COMMITTEE

Stefan AMBEC (TSE)
Mathias REYNAERT (TSE)

CONFERENCE SECRETARIAT

Christelle FAUCHIE & Florence CHAUVET
eleconf@tse-fr.eu



This conference is part of a project that has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No. 870245.

Thursday, June 6, 2024

8:30 – 9:00 Registration and Welcome **Room:**

09:00 – 10:00 **KEYNOTE LECTURE 1:**
Moderator: **Room:**

Catherine WOLFRAM (MIT)

10:00 – 10:30 **Break**

10:30 – 12:30 **PARALLEL SESSION 1**

1A: Electrification and renewables **Chair :**
Room:

Tim SCHITTEKATTE (MIT), Graham Turk (MIT), Pablo Dueñas Martínez (MIT and Universidad Pontificia Comillas), Paul L. Joskow (MIT) and Richard Schmalensee (MIT)
Designing Network Tariffs Under Increased Residential End-user Electrification: Can the US Learn Something from Europe?

Andrew YATES (University of North Carolina), Stephen P. Holland (University of North Carolina) and Erin T. Mansur (Tuck School of Business at Dartmouth and NBER)
Electrification in the Long Run

Misato SATO (London School of Economics), Aurélien Saussay (London School of Economics) and Leanne Cass (London School of Economics)
Supporting Solar: The Causal Impact of Subsidies on Domestic Photovoltaic Installations

1B: Climate risk **Chair:**
Room:

Charles MASON (University of Wyoming) and Neil A. Wilmot (University of Minnesota–Duluth)
On Climate Fat Tails and Politics

Shuang ZHANG (Imperial College), Jianwei Xing (Peking University), KangkaiWang (Peking University), Hua Zhang (CEIBS) and Eric Zou (University of Michigan)
Microclimate Risks and Urban Businesses

Simon LANG (Yale University)
Welfare-Maximizing Climate Policy and the Role of Climate Finance

12:30 – 14:00 **Lunch**

14:00 – 16:00 **PARALLEL SESSION 2**

2A: Carbon pricing **Chair:**
Room:

Armon REZAI (Vienna University of Economics and Business), Frederick van der Ploeg (University of Oxford), Miguel Tovar (The Economics and Social Research Institute)
Carbon taxation and income redistribution

Parallel sessions: 25 minutes for speakers, 10 minutes for discussants and 5 minutes for questions

Aude POMMERET (Université Savoie Mont Blanc), Stefano Carattini (Georgia State University), Giseong Kim (Georgia State University) and Givi Melkadze (Georgia State University)
Carbon Taxes and Tariffs, Financial Frictions, and International Spillovers

Geoffrey BARROWS (Ecole Polytechnique), Raphael Calel (Georgetown University), Martin Jégard (Swedish University of Agricultural Sciences) and Hélène Ollivier (Paris School of Economics)
Equilibrium Effects of Carbon Policy

2B: Market structure

Chair:
Room:

Félix MICHELET (Mines Paris Tech)

The impact of electricity market integration on the cost of CO2 emissions abatement through renewable energy promotion

Mert DEMIRER (Massachusetts Institute of Technology) and Ömer Karaduman (Stanford GSB)
Do Mergers and Acquisitions Improve Efficiency: Evidence from Power Plants

Nicolas ASTIER (Paris School of Economics) and Frank A. Wolak (Stanford University)
Nuclear operations with a high penetration of renewables: the case of France

16:00 – 16:30

Break

16:30 – 17:50

PANEL SESSION

Which policies and market design for the energy transition?

Antoine DECHEZLEPRETRE (Senior Economist, OECD)

Miguel GIL TERTRE^{online} (Chief Economist, DG Climate, European Commission)

Charles WEYMULLER (Chief Economist, EDF)

Catherine WOLFRAM (Professor at MIT and former Deputy Assistant Secretary for Climate and Energy Economics, U.S. Treasury)

20:00

Conference Dinner (invitation only)

Parallel sessions: 25 minutes for speakers, 10 minutes for discussants and 5 minutes for questions

Friday, June 7, 2024

8:30 – 10:30

PARALLEL SESSION 4

4A: Oil and coal

Chair:

Room:

Katinka HOLTSMARK (University of Oslo), Esther Ann Bøler (Imperial College Business School, CEP & CEPR) and Karen Helene Ulltveit-Moe (University of Oslo & CEPR)
Shock Therapy for Greener Growth: The Dynamics of Firms' R&D Investments

Julien DAUBANES (Technical University of Denmark & MIT), Saraly Andrade de Sa (University of Copenhagen) and Diego S. Cardoso (Purdue University)
Do Markets Price the Sensitivity of Economic Oil Reserves?

Pello ASPURU (CEMFI)

Delaying the Coal Twilight Local Mines, Regulators, and the Energy Transition

4B: Market distortions and dynamics

Chair:

Room:

Junnan HE (Sciences Po), Michele Fioretti (Sciences Po) and Jorge A. Tamayo (Harvard Business School)

Diversified Production and Market Power: Theory and Evidence from Renewables

Ara JO (University of Bath) and Christos Karydas (ETH Zürich)

Firm Heterogeneity, Industry Dynamics and Climate Policy

Shaun MCRAIE (Centro de Investigación Económica and Department of Economics, ITAM) and Frank A. Wolak (Stanford University)

Electricity Pricing for the Energy Transition

10:30 – 10:50

Break

10:50 – 12:10

PARALLEL SESSION 5

5A: Carbon sinks

Chair:

Room:

Prakash MISHRA (University of Pennsylvania)
The Global Allocative Efficiency of Deforestation

Lorenzo SILECI (London School of Economics) and Jeffrey Pagela (London School of Economics)
More Than Just Carbon: The Socioeconomic Impact of Large-Scale Tree Planting

Parallel sessions: 25 minutes for speakers, 10 minutes for discussants and 5 minutes for questions

5B: Market design

Chair:

Room:

Frank WOLAK (Stanford University), Megan Bailey (University of Calgary), David P. Brown (University of Alberta) and Blake Shaffer (University of Calgary)

Centralized vs Decentralized Demand Response: Evidence from a Field Experiment

Stefan LAMP (TSE), Mario Samano (HEC Montreal) and Silvana Tiedemann (Hertie School Berlin)

Firms' Bidding Behavior in a New Market: Evidence from Renewable Energy Auctions

12:10 – 13:30

Lunch

13:30 – 15:30

PARALLEL SESSION 6

6A: Impact of green policies

Chair:

Room:

Claire ALESTRA (Paris School of Economics)

Powering Down Nuclear: A Multidimensional Impact Evaluation of the German Case

Matthieu GLACHANT (Mines Paris Tech) and Guillaume Wald (Mines Paris Tech)

The Effect of Energy Efficiency Obligations on Residential Energy Use: Empirical Evidence from France

Ron CHAN (The University of Manchester) and Yichen Christy Zhou (Clemson University)

Charged Up? Impacts of Green Energy Transition on Local Labor Markets

6B: Retailing pricing

Chair:

Room:

Blake SHAFFER (University of Calgary), Megan Bailey (University of Calgary), David P. Brown (University of Alberta), Erica Myers (University of Calgary) and Frank A. Wolak (Stanford University & NBER)

Unintended Consequences of Time-of-Use Rates: EV Charging and Distribution Network Constraints

Andre TRINDADE (Nova School of Business and Economics) Davi Resende (FGV EPGE), Gabriel Richter (Stone) and Marcelo Sant'Anna (FGV EPGE)

Pricing and Informality: Evidence from Energy Theft in Brazil

Shefali KHANNA (Imperial College London), Ralf Martin (Imperial College London and Centre for Economic Performance, LSE) and Mirabelle Muûls (Imperial College London and Centre for Economic Performance, LSE)

Shifting Household Power Demand across Time: Incentives and Automation

16:00 – 17:00 KEYNOTE LECTURE 2:

Room:

Matti LISKI (Aalto University)