

CONFERENCE VENUE

Toulouse School of Economics (TSE) 1, Esplanade de l' Université - Auditoriums 3, 4, 6 31080 Toulouse Cedex 06

ORGANIZING COMMITTEE:

Stefan Ambec (TSE) Christian Gollier (TSE) Mathias Reynaert (TSE) Jean Tirole (TSE)

CONFERENCE SECRETARIAT:

Christelle Fauchié elecconf@tse-fr.eu







Wednesday, June 15, 2022

8:30 – 9:00 Registration and Welcome Room: A3

09:00 - 10:00 KEYNOTE LECTURE 1:

Moderator: Stefan AMBEC (TSE) Room: A3

Natalia FABRA (Universidad Carlos III de Madrid)

Efficiency and distributional implications of Real Time Pricing for Electricity

10:00 - 10:30 Break

10:30 – 12:30 PARALLEL SESSION 1

1A: Organization of the Energy Market Chair : Gilles LAFFORGUE

Room: A3

Claude CRAMPES (TSE) and Jérôme Renault (TSE) Flexibility and Risk Transfer in Electricity Markets

Discussant: Matti LISKI (Aalto University and Helsinki Graduate School of Economics)

Christoph GRAF (Stanford University), Federico Quaglia (Terna S.p.A.) and Frank Wolak (Stanford University)

Simplified Market Mechanisms for Non-Convex Markets: Evidence from Italian Electricity Market Discussant: Natalia FABRA (Universidad Carlos III de Madrid)

Charles MASON (University of Wyoming)

Why do Firms Hold Oil Stockpiles?

Discussant: Gilles LAFFORGUE (Toulouse Business School)

1B: Climate Policy and Finance Chair: Frédéric CHERBONNIER

Room: A4

Pier Basaglia (University of Hamburg), **Stefano CARATTINI** (Georgia State University, CESifo, and London School of Economics), Antoine Dechezleprêtre and Tobias Kruse (Organisation for Economic Co-operation and Development)

Climate Policy Uncertainty and Firms' and Investors' Behavior

Discussant: Ulrich HEGE (TSE)

Frédéric Cherbonnier (TSE, Sciences-Po Toulouse) and Ulrich HEGE (TSE)

Should There Be a Green Supporting Factor? Carbon Policies and Climate Financial Regulation

Discussant: Julien SAUVAGNAT (Bocconi University)

Frédéric CHERBONNIER (TSE, Sciences-Po Toulouse), Christian Gollier (TSE) and Aude Pommeret (IREGE, University Savoie Mont Blanc)

Stress discounting

12:30 – 14:00 Lunch

2A: Renewables and Network Reliability

Chair: Stefan AMBEC

Room: A3

Jonathan ELLIOTT (Johns Hopkin University)

Investment, Emissions, and Reliability in Electricity Markets

Discussant: Mathias REYNAERT (TSE)

Catherine BOBTCHEFF (Paris School of Economics and CNRS), Philippe De Donder and

François SALANIE (TSE)

When Electricity Provision Becomes Unreliable

Discussant: Nicolas ASTIER (Paris School of Economics)

Nicolas ASTIER (Paris School of Economics), Ram Rajagopal and Frank Wolak (Stanford University)

Can Distributed Intermittent Renewable Generation Reduce Future Grid Investments? Evidence from

France

Discussant: Stefan AMBEC (TSE)

2B: Subsidies in Energy Markets Chair: Ludovica GAZZE

Room: A4

Bettina CHLOND, Timo Goeschl (Alfred Weber Institute for Economics, Heidelberg University, Leibniz Institute for European Economic Research (ZEW)) and Martin Kesternich (Leibniz Institute for European Economic Research (ZEW), University of Kassel)

Accelerating Consumer Durable Replacement In Low-income Households: Pecuniary and Behavioral Instruments

Discussant: Stefano CARATTINI (Georgia State University)

Raphael Calel (Georgetown University), Jonathan Colmer (University of Virginia), Antoine Dechezleprêtre (London School of Economics and OECD) and **Matthieu GLACHANT** (MINES ParisTech) *Do Carbon Offsets Offset Carbon?*

Discussant: Sylvain CHABE-FERRET (TSE)

Matthias RODEMEIER (Bocconi University) and Andreas Loschel (University of Bochum, CESifo, & RWI)

Information Nudges, Subsidies, and Welfare: Evidence from a Natural Field Experiment

Discussant: Ludovica GAZZE (University of Warwick)

16:00 – 16:30 Break

16:30 - 17:50

PARALLEL SESSION 3

3A: Electricity Prices

Chair: Sébastien HOUDE

Room: A3

Matti LISKI and livo Vehviläinen (Aalto University and Helsinki Graduate School of Economics)

The (smart) Technology Effect: Consumers, Not Producers, Benefit from More Efficient Trade in

Electricity Markets

Discussant: Christoph GRAF (Stanford University)

Christoph Graf and Frank WOLAK (Stanford University)

Measuring the Ability to Exercise Market Power in Locational-Pricing Markets: An Application to the

Italian Electricity Market

Discussant: Sébastien HOUDE (Grenoble Ecole de Management)

3B: Land Use **Chair: Anouch MISSIRIAN**

Room: A4

Rafael Araujo (FGV EPGE and Climate Policy Initiative), Francisco Costa (University of Delaware) and

Marcelo SANT'ANNA (FGV EPGE)

Efficient Forestation in the Brazilian Amazon: Evidence from a Dynamic Model

Discussant: Alipio FERREIRA (TSE)

Valentin GUYE (Université Paris-Saclay, INRAE, AgroParisTech)

Balancing Indirect Land Use Change Mechanisms: Empirical Evidence from Biofuel Mandates and Pan-

tropical Deforestation

Discussant: Anouch MISSIRIAN (TSE)

20:00 Conference Dinner (invitation only)

Thursday, June 16, 2022

8:30 - 10:30

PARALLEL SESSION 4

4A: Auctions Chair: Bert WILLEMS

Room: A3

Bert Willems (Tilburg University and Toulouse School of Economics) and **Yueting YU** (Tilburg University)

Bidding and Investment in Wholesale Electricity Markets: Pay-as-Bid versus Uniform-Price Auctions Discussant: Patrick REY (TSE)

Stefan LAMP (Universidad Carlos III Madrid), Mario Samano (HEC Montreal) and Silvana Tiedemann (Hertie School)

Bidders' Experience and Prices in Renewable Energy Auctions

Discussant: Olivier DE GROOTE (TSE)

Olga CHIAPPINELLI (DIW Berlin) and Gyula Seres (National University of Singapore, Global Asia

Institute, and Tilburg Law & Economics Center)

Optimal Discounts in Green Public Procurement

Discussant: Bert WILLEMS (Tilburg University)

4B: Climate Risk and Firms Chair: Nicolas TREICH

Room: A4

Julien DAUBANES (Université de Genève), Shema Mitali (EPFL) and Jean-Charles Rochet (TSE,

Université de Genève)

Why Do Firms Issue Green Bonds?
Discussant: **Sébastien POUGET** (TSE)

Luigi Iovino, Thorsten Martin and Julien SAUVAGNAT (Bocconi University),

Corporate Taxation and Carbon Emissions

Discussant: Eugenia GONZALEZ-AGUADO (TSE)

Wesley Howden (The University of Arizona) and Remy LEVIN (University of Connecticut)

The Impacts of Climate Change on Risk Preferences

Discussant: Nicolas TREICH (TSE)

10:30 - 10:50 Break

5A: Systemic Changes

Chair: Francesco RICCI

Room: A6

Jim Skea, Alaa AlKhourdajie, Raphael Slade, Iain Staffell (Imperial College London) and Richard GREEN (Imperial College London)

Why do Mitigation Pathways Differ? The Role of Scenario Assumptions and Model Features Discussant: Claude CRAMPES (TSE)

Alexis LEBEAU (EDF R&D, Industrial Engineering Research Department, CentraleSupélec), Marie Petitet (EDF R&D, Chaire European Electricity Markets, University Paris-Dauphine), Marcelo Saguan (EDF R&D), Simon Quemin (EDF R&D, Climate Economics Chair, University Paris-Dauphine, Potsdam Institute for Climate Impact Research)

Long-Term Issues with The Energy-Only Market Design in the Context of Electricity Decarbonization: Insights from a System Dynamics Simulation Model

Discussant: Francesco RICCI (CEE-M, Univ de Montpellier, CNRS, INRAE, Institut Agro Montpellier)

5B: Technology Breakthrough

Chair: Stefan LAMP

Room: A3

Sai BRAVO MEGAREJO and Carole Haritchabalet (Université de Pau et des Pays de l'Adour)

Certification of Low-carbon Hydrogen in the Transport Market

Discussant: Thomas TANGERAS (IFN)

Sugandha SRIVASTAV (Smith School of Enterprise & the Environment, University of Oxford) *Bringing Breakthrough Technologies to Market Evidence from Renewable Energy Projects* Discussant: **Stefan LAMP** (Universidad Carlos III de Madrid)

5C: The Political Economy of Solar

Chair: Matthieu GLACHANT

Room: A4

Olivier DE GROOTE (TSE), Axel Gautier (HEC Liege, University of Liege) and Frank Verboven (KU Leuven)

The political economy of financing climate policy – Evidence from the solar PV subsidy programs Discussant: Matthias RODEMEIER (Bocconi University)

Sébastien HOUDE (Grenoble Ecole de Management) and Wenjun Wang (Agricultural Bank of China) The Incidence of the U.S.-China Solar Trade War

Discussant: Matthieu GLACHANT (Mines ParisTech)

12:10 – 13:30 Lunch

13:30 - 14:50

PARALLEL SESSION 6

6A: Air Pollution Chair: Marcelo SANT'ANNA

Room: A6

Marion LEROUTIER (Misum, Stockholm School of Economics) and Hélène Ollivier (Paris School of

Economics, CNRS)

The Cost of Air Pollution for Workers and Firms: Evidence from Sickness Leave Episodes

Discussant: Tatyana DERYUGINA (University of Illinois)

Isis Durrmeyer and **Nicolás MARTINEZ** (TSE), The Welfare Costs of Urban Traffic Regulations Discussant: **Marcelo SANT'ANNA** (FGV EPGE)

6B: Carbon Pricing Chair: Luc ROUGE

Room: A3

Thomas-Olivier LEAUTIER (Toulouse School of Economics and TotalEnergies) and Elise Viadère

(Université Paris-Dauphine)

Give to the Poor or the Needy: Optimal Carbon Dividend Distribution

Discussant: Richard GREEN (Imperial College London Imperial)

Aude Pommeret (Université de Savoie Mont-Blanc (IREGE)), **Francesco RICCI** (CEE-M, Univ de Montpellier, CNRS, INRAE, Institut Agro Montpellier) and Katheline Schubert (Paris School of Economics, University Paris 1 Panthéon Sorbonne)

Confronting the Carbon Pricing Gap: Second Best Climate Policy

Discussant: Luc ROUGE (Toulouse Business School)

6C: Regulation and Compliance Chair: Sai BRAVO MEGAREJO

Room: A4

Oliver R. Browne (Brattle), **Ludovica GAZZE** (University of Warwick), Michael Greenstone and Olga

Rostapshova (University of Chicago)

Enforcement and Deterrence with Certain Detection: An Experiment in Water Conservation Policy

Discussant: Céline NAUGES (TSE)

Bing Guo (Universidad Carlos III de Madrid), Sarah PARLANE and

Lisa Ryan (University College Dublin)

Regulatory Compliance in the Automobile Industry

Discussant: Sai BRAVO MEGAREJO (Université de Pau et des Pays de l'Adour)

15:00 – 16:00 KEYNOTE LECTURE 2: Room: A3

Moderator: **Mathias REYNAERT** (TSE)

Tatyana DERYUGINA (University of Illinois)

How Many Lives Are Saved by Reductions in Fossil Fuel Use?