

# Energy & Climate Economics

Munich, 10 – 11 March 2023

## Program

(all times are Munich time)

**Presentation: 30 Minutes**

**Discussion: 10 Minutes**

**Friday, 10 March 2023**

9:00 – 9:10      **Welcome, Introduction, and Rules of Engagement (Maximilian Auffhammer)**

### **Plenary Session 1 - Ludwig Erhard Room**

**Energy I**

**Chair: Doina Radulescu**

9:10 – 9:50      **Decreasing Emissions by Increasing Energy Access? Evidence from a Randomized Field Experiment on Off-Grid Solar Lights**  
DINA POMERANZ (University of Zürich), Adina Rom, Isabel Günther

9:50 – 10:30    **Bringing Early-Stage Technologies to Market: Evidence from Utility-Scale Solar and Feed-in-Tariffs**  
SUGANDHA SRIVASTAV (University of Oxford) –  
Distinguished CESifo Affiliate Award Candidate

10:30 – 11:10    **Complementary Inputs and Industrial Development: Can Lower Electricity Prices Improve Energy Efficiency?**  
GREGOR SINGER (London School of Economics) –  
Distinguished CESifo Affiliate Award Candidate

11:10 – 11:40    **Coffee Break**

### **Plenary Session 2 - Ludwig Erhard Room**

**Keynote**

**Chair: Maximilian Auffhammer**

11:40 – 12:40    **Ray of Hope? China and the Rise of Solar Energy**  
ROBIN BURGESS (London School of Economics)

12:40 – 13:50    **Lunch**

# CESifo AREA CONFERENCES

## Plenary Session 3 - Ludwig Erhard Room

### Climate Change I

Chair: Armon Rezai

- 13:50 – 14:30      **Structural Modelling Changes Drive the Social Cost of Carbon**  
MORITZ DRUPP (University of Hamburg), Frances Moore, James Rising,  
Simon Dietz, Ivan Rudik, Gernot Wagner
- 14:30 – 15:10      **Equity Weighting and Risk Adjusting the Social Cost of Carbon**  
DAVID ANTHOFF (UC Berkeley), LISA RENNELS (UC Berkeley), Frank Errickson  
(Princeton) & RFF SCC Team.
- 15:10 – 15:50      **A Quantity-Based Approach to Constructing Climate Risk Hedge Portfolios**  
JOHANNES STROEBEL (NYU), Gerogij Alekseev, Stefano Giglio, Quinn Maingi,  
Julia Selgrad
- 15:50 – 16:20      **Coffee Break**

## Parallel Session 4A, Ludwig Erhard Room

### Energy Transition Empirics

Chair: Megan Lang

- 16:20 – 17:00      **Induced Innovation, Inventors, and the Energy Transition**  
EUGENIE DUGUOA (LSE) and Todd Gerarden
- 17:00 – 17:40      **Electric Vehicle Charging Behavior and Charging Price Elasticities: An  
Analysis Using Swiss Data on Public Charging Stations**  
DOINA RADULESCU (University of Bern)

## Parallel Session 4B - Richard Musgrave Room

### Taxation – Theory

Chair: Cees Withagen

- 16:20 – 17:00      **Carbon Taxation and Income Distribution: Importance of Nonlinear Engel  
Curves**  
ARMON REZAI (University of Vienna), Rick Van der Ploeg, Miguel Tovar
- 17:00 – 17:40      **On the Geographic Implications of Carbon Taxes**  
BRUNO CONTE (University of Bologna), Klaus Desmet, Esteban Rossi-Hansberg
- 19:00                **Dinner**

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Saturday, 11 March 2023

## Plenary Session 5 - Ludwig Erhard Room

Title: Climate Change II

Chair: Maximilian Auffhammer

9:00 – 9:40      **Carbon Capture: Storage Versus Utilization**  
CEES WITHAGEN (VU Amsterdam), Michael Moreaux, Jean-Pierre Amigues,  
Gerard van der Meijden

9:40 – 10:20      **Sea Level Rise and Urban Adaptation in Jakarta**  
ALLAN HSIAO (Princeton University)

10:20 – 10:50      **Coffee Break**

## Parallel Session 6A - Ludwig Erhard Room

Empirics

Chair: Dina Pomeranz

10:50 – 11:30      **Extensive Margin Responses to Intensive Margin Prices: Evidence from  
Subsidies for Solar Electricity in Togo**  
MEGAN LANG (World Bank)

11:30 – 12:10      **Agricultural Productivity and Deforestation**  
RYAN ABMAN (SDSU), Teevrat Garg, Yao Pan, and Saurabh Singhal

12:10 – 12:50      **Designing Carbon Pricing Policies**  
FRIKK NESJE (University of Copenhagen), Robert C. Schmidt, Moritz A. Drupp

## Parallel Session 6B - Richard Musgrave Room

Theory

Chair: Charles Kolstad

10:50 – 11:30      **Pigou's Advice and Sisyphus' Warning: Carbon Pricing with Non-Permanent  
Carbon-Dioxide Removal**  
MAX FRANKS (PIK), Matthias Kalkuhl, Max Franks, Friedemann Gruner, Kai  
Lessmann, Ottmar Edenhofer

11:30 – 12:10      **The Economics of Carbon Leakage Mitigation Policies**  
STEFAN AMBEC (Toulouse School of Economics), Federico Esposito, and Antonia  
Pacelli

12:10 – 12:50      **Economically Exhaustible Resources in an Oligopoly-Fringe Model with  
Renewables**  
GERARD VAN DER MEIJDEN (VU Amsterdam), Hassan Bencheikroun,  
Cees Withagen

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12:50 – 13:50      **Lunch**

## **Plenary Session 7 - Ludwig Erhard Room**

**Energy**

**Chair: David Anthoff**

13:50 – 14:30      **Heterogeneity in the Pass-Through from Oil to Gasoline Prices: A New Instrument for Estimating the Price Elasticity of Gasoline Demand**  
LUTZ KILIAN (Federal Reserve Bank, Dallas) and Xiaoqing Zhou

14:30 – 15:10      **Valuing Solar Subsidies**  
KENNETH GILLINGHAM (Yale University), Bryan Bollinger, and A. Justin Kirkpatrick

15:10 – 15:40      **Coffee Break**

## **Plenary Session 8 - Ludwig Erhard Room**

**Environment and Preferences**

**Chair: Moritz Drupp**

15:40 – 16:20      **Destructive Behavior, Judgment, and Economic Decision-making Under Thermal Stress**  
MAXIMILIAN AUFFHAMMER (Berkeley), Ingvild Almås, Tessa Bold, Ian Bolliger, Aluma Dembo, Solomon M. Hsiang, Shuhei Kitamura, Edward Miguel, and Robert Pickmans

16:20 – 17:00      **Fog or Smog? The Impact of Uncensored Reporting on Pollution on Individuals' Environmental Awareness**  
SVEN HARTMANN (IAAEU and Trier University)

17:00 – 17:10      Award and Conference Close