



Workshop on “Energy and Climate: Macroeconomic Implications”

**BI Norwegian Business School
(Room A2-030)
Oslo, August 18-19, 2022**

The workshop is open for participation. To attend the workshop, please register [here](#).
(Deadline for registration is Tuesday August 16, 2022)

Local Organizers:

Hilde Bjørnland (BI Norwegian Business School and Norges Bank)

Francesco Ravazzolo (BI Norwegian Business School and Free University of Bozen-Bolzano)

Leif Anders Thorsrud (BI Norwegian Business School)

Ragnar Torvik (NTNU and BI Norwegian Business School)

Knut Are Aastveit (Norges Bank and BI Norwegian Business School)

Thursday, August 18, 2022

09:30 **Registration and coffee**

09:55 **Welcome remarks by Hilde C. Bjørnland (BI)**

Session 1: Climate, energy and the macroeconomy

Chair: João Victor Issler

10:00 - 10:40 **Haroon Mumtaz** (Queen Mary University of London)
The Macroeconomic Cost of Climate Volatility
(with Piergiorgio Alessandri)

10:40 – 11:20 **Martin Stuermer** (International Monetary Fund)
Market Size and Supply Disruption: Sharing the Pain of a Russian Gas Shut-off to the European Union
(with Silvia Albrizio, John Bluedorn, Christoffer Koch, Andrea Pescatori).

11:20 - 12:00 **Yoosoon Chang** (Indiana University)
Oil and the Stock Market Revisited: A Functional VAR Approach
(with Hilde C. Bjørnland and Jamie Cross)

12:00-13:00 **Lunch**

Keynote Lecture

Chair: Knut Are Aastveit

13:00 – 14:00 **Christiane Baumeister** (University of Notre Dame, CEPR, NBER)
Recent Developments in Modeling Energy Market Dynamics

14:00-14:20 **Coffee Break**

Session II: Supply side shocks and adjustments

Chair: Yoosoon Chang

14:20- 15:00 **Linnea Lorentzen** (BI Norwegian Business School)
The Domino Effects: Understanding Sectoral Reallocation and its Wage Implications

15:00- 15:40 **Thomas Størdal Gundersen** (Statistics Norway and BI Norwegian Business School)
The Price Responsiveness of Shale Producers: Evidence From Micro Data
(with Knut Are Aastveit and Hilde C. Bjørnland)

15:40 - 16:00 **Coffee Break**

Session III: Forecasting using commodities and electricity

Chair: Leif Anders Thorsrud

- 16:00-16:40 **João Victor Issler** (Brazilian School of Economics and Finance FGV EPGE)
Commodity-Price Forecasting: A Broad Evaluation of Machine-Learning, Forecast-Combination, and Standard Time-Series Techniques
(with Yihao Lin)
- 16:40-17:20 **Giulio Galdi** (University of Trento)
Nowcasting industrial production using linear and non-linear models of electricity demand
(with Roberto Casarin, Carlo Fezzi, Davide Ferrari and Francesco Ravazzolo)
- 19:00 - Workshop dinner for invited (place *tba*)

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| Friday, August 19, 2022 |
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Session IV: Climate and Energy Shocks

Chair: Hilde C. Bjørnland

- 09:00 – 09:40 **Warwick McKibbin** (Australia National University)
Global Economic Impacts of Climate Shocks, Climate Policy and Changes in Climate Risk Assessment
(with Roshen Fernando and Weifeng Liu)
- 09:40 - 10:20 **Nida Çakır Melek** (Federal Reserve Bank of Kansas City)
The Income Share of Energy and Substitution: A Macroeconomic Approach
(with Musa Orak)
- 10:20 - 10:40 **Coffee Break**

Session V: Climate change and risks

Chair: Francesco Ravazzolo

- 10:40 - 11:20 **Vegard H. Larsen** (Norges Bank)
Climate risk and commodity currencies
(with Felix Kapfhammer and Leif Anders Thorsrud)
- 11:20 - 12:00 **Philippe Goulet Coulombe** (Université du Québec à Montréal)
When Will Arctic Sea Ice Disappear? Projections of Area, Extent, Thickness, and Volume
(with Francis X. Diebold, Glenn D. Rudebusch, Maximilian Goebel and Boyuan Zhang)
- 12:00-13:00 **Lunch**

Keynote Lecture

Chair: Ragnar Torvik

13:00 - 14:00 **Per Krusell** (IIES, Stockholm University)
Suboptimal Climate Policy

14:00 - 14:20 **Coffee break**

Panel discussion: Macroeconomic Implications of Energy Price Spurs and Climate Change amid Geopolitical Developments

Chair: Hilde C. Bjørnland

14:20-14:45 **Jarand Rystad** (Rystad Energy)
The energy market

14:45-16:00 **Panel discussion**
Christiane Baumeister (University of Notre Dame, CEPR, NBER), **Per Krusell** (IIES, Stockholm University), **Jarand Rystad** (Rystad Energy) and **Nils-Henrik M. von der Fehr** (University of Oslo)

Moderator: **Hilde C. Bjørnland** (BI)

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*This event is the third in a series of Workshops on Energy Economics and Climate Change, initiated by **Hilde C. Bjørnland** (BI Norwegian Business School), **Yoosoon Chang** (Indiana University), **Marcelle Chauvet** (University of California, Riverside) and **Joao Issler** (FGVGetulio Vargas Foundation). Previous workshops have been held in FGV, Rio de Janeiro (2018) and Sungkyunkwan University, Seoul (2019).*