

## *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](#).

If you want to follow the conference online, please send an email to [helene.olsen@bi.no](mailto:helene.olsen@bi.no)

**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*)

**Friday, August 19, 2022**

### **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).*