



2nd Conference on **Econometric Models of Climate Change**
September 4-5, 2017
Nuffield College, University of Oxford, United Kingdom

www.climateeconometrics.org/conference2017

Conference Organizers:

Eric Hillebrand (Aarhus University and CREATES ehillebrand@creates.au.dk),
Felix Pretis (University of Oxford, felix.pretis@nuffield.ox.ac.uk),
Tommaso Proietti (University of Rome, Tor Vergata, tommaso.proietti@uniroma2.it)

Local Organisers:

Angela Wenham, angela.wenham@economics.ox.ac.uk

Conference Location:

Nuffield College, New Road, OX1 1NF Oxford

Presentations will take place in the Large Lecture Room (LLR), lunch is served in the Junior Common Room (JCR). Poster presentations take place in the Senior Common Room (SCR). The conference dinner is hosted in the Nuffield College Dining Hall.

Conference Support

The conference is made possible thanks to support from the Environmental Defense Fund.

The conference is supported by *Econometrics* – Open Access Journal. Free for readers, and free publication for manuscripts submitted in 2017.



Monday, September 4, 2017

8.30 – 9.00	Registration and Coffee (LLR)	
9.00 – 9.15	Eric Hillebrand, Felix Pretis, Tommaso Proietti	Welcome

Session 1: Global Climate I		
Chair: Eric Hillebrand		

9.15 – 9.45	Jim Stock, Giselle Montamat (Harvard Univ.)	Quasi-Experimental Evidence on the Transient Climate Sensitivity
9.45 – 10.15	J. Isaac (Zack) Miller , Kyungsik Nam (Univ. of Missouri)	Dating Hiatuses: A Statistical Model of the Recent Hiatus in Global Warming – and the Next One
10.15 – 10.45	Maria Dolores Gadea Rivas (Univ. of Zaragoza), Jesus Gonzalo (U. Carlos III)	Polar Warming
10.45 – 11.00	Coffee (LLR)	

Session 2: Global Climate II		
Chair: Tommaso Proietti		

11.00 – 11.30	Claudio Morana (Univ. of Milan), Giacomo Sbrana (Neoma Business School)	Temperature anomalies, radiative forcing and ENSO
11.30 – 12.00	Li Chen (Xiamen & Monash Univ.), Jiti Gao, Farshid Vahid (Monash Univ.)	Global temperatures and green-house gases: a common features approach
12.00 – 13.00	Lunch (JCR)	

Session 3: Economic Impacts I		
Chair: Sven Kunze		

13.00 – 13.30	David A Stainforth , Raphael Calel (LSE)	The Importance of Physics and Physical Uncertainties in Economic Assessments of Climate Policy
13.30 – 14.00	Michael Hanemann (UC Berkeley and Arizona State Univ.), Nazli Uludere (Arizona State Univ.)	Extreme events, disaggregation and the estimation of damage functions
14.00 – 14.30	Dalia Ghanem (UC Davis), Todd Kuffner (Washington Univ. St Louis)	Improved Model Selection Methods for Climate Change Impact
14.30 – 15.00	David Ubilava (Univ. of Sydney), Jesse B. Tack, Nelson B. Villoria (Kansas State Univ.)	The Geography of the Growth Effect of ENSO: Smooth Transitions Across Latitudes and Longitudes

15.00 – 16.30

Poster Session and Coffee (SCR)

See poster descriptions.

Session 4: Economic Impacts II

Chair: David Ubilava

16.30 – 17.00 **Paolo Agnolucci** and Vincenzo De Lipsis (UCL) Has the long-run growth in crop yield come to an end? Evidence from European countries

17.00 – 17.30 **Sven Kunze** (Heidelberg Univ.) The Effect of Tropical Cyclones on Economic Sectors Worldwide
A Panel Data Analysis using Geodata

19:00 – 19:30

Reception (Fellows Garden/SCR)

19.30 – 21.30

Conference Dinner (Nuffield College Hall)

Tuesday, September 5, 2017

Session 5: Weather, Impacts, and Breaks

Chair: Felix Pretis

8.30 – 9.00

Coffee (LLR)

9.00 – 9.30 **Jerome Simons** and Julian Schweitzer (Univ. of Oxford) Extreme Weather Events and Labour Market outcomes: Evidence from Ecuador under the El Niño

9.30 – 10.00 **Niels Buus Lassen**, Matilde Biil Røndbjerg, Mads Zacho Krarup, Lisbeth la Cour & Ravi Vatraru (Copenhagen Business School) Weather, psychology & media consumption: Modelling Danish TV viewing, Airbnb booking, & Facebook behaviour with weather data, 2010-2017

10.00 – 10.30 **Neil R. Ericsson** (George Washington Univ. & Federal Reserve), Mohammed H. I. Dore, and Hassan Butt (Brock Univ.) Detecting and Quantifying Structural Breaks in Climate

10.30– 11.00

Coffee (LLR)

Session 6: Ocean and Ice Sheets

Chair: Neil R. Ericsson

11.00 – 11.30 **Luke Jackson, Andrew Martinez,** Felix Pretis (Univ. of Oxford) Empirically Modeling the Interconnectivity between the Greenland and Antarctic Ice Sheets

11.30 – 12.00 **Torben Schmith** (Danish Meteorological Institute) Natural variability of the Arctic Ocean fresh water content: short- and long-range dependence

12.00 – 13.00

Lunch (JCR)

Session 7: Emissions

Chair: Timo Teräsvirta

13.00 – 13.30 **Felix Pretis** (Univ. of Oxford) Robert Kaufmann, Sucharita Gopal (Boston Univ.) Local Emissions Affect Local Climate: Attribution, Impacts, and Policy

13.30 – 14.00 **David F. Hendry** (Univ. of Oxford) First-in, First-out: Modelling the UK's CO2 Emissions, 1860-2016

14.00 – 14.30 **Bent Jesper Christensen,** Nabanita Datta Gupta, Paolo Santucci de Magistris (Aarhus Univ.) The Relation between Clean Energy and CO2 Emissions: Evidence from Denmark

14.30 – 15.00 **Peter Grabarczyk** (Technical Univ. Dortmund), Eric Hillebrand (Aarhus Univ.), Martin Wagner (Technical Univ. Dortmund) Nonparametric Cointegration Analysis of the Environmental Kuznets Curve for Carbon Dioxide Emissions

15.00 – 15.30

Coffee (LLR)

Session 8: Seasonality and Forecasting

Chair: David F. Hendry

15.30 – 16.00	Changli He , Jian Kang and Timo Teräsvirta (Aarhus Univ.)	Modelling Seasonality in the Central England Monthly Temperature series 1772-2016 Using the Shifting Seasonal Mean Autoregressive Model
16.00 – 16.30	Xiaochun Meng and James Taylor (Univ. of Oxford)	Combining Methods for Multivariate Extreme Temperature Forecasting
16.30 – 17.00	Agnijo Banerjee (Grove Academy), Arnab Bhattacharjee (Heriot-Watt Univ.), Jose Manuel Martins	Climate Change: Projections versus Predictions
17:00 – 17.15	Eric Hillebrand, Felix Pretis, Tommaso Proietti	Closing Remarks

Poster Session

(Monday 4 September 15.00-16.30, SCR)

- Anderson Ngowa** (Strathmore Univ.) Modeling heat-related mortality based on greenhouse emissions in OECD countries.
- Reza Modarres** (Isfahan Univ. of Technology) Modelling the effect of climate signals on long term drought time series of Iran based on multivariate GARCH model
- Iaria Prosdocimi** (Univ. of Bath) Assessing future flood risk: the reliability of global projections and the significance of future changes
- Mario Daniele Amore (Bocconi Univ.), Morten Bennedsen (Univ. of Copenhagen), Birthe Larsen and **Philip Rosenbaum** (Copenhagen Business School) CEO Education and Green Decision-Making
- Felix Pretis, **Moritz Schwarz**, Kevin Tang, Karsten Haustein, Myles R. Allen (Univ. of Oxford) Uncertain impacts on economic growth when stabilizing global temperatures at 1.5°C or 2°C warming
- Andrew B. Martinez** (Univ. of Oxford) The impact of forecast uncertainty on hurricane damages
- Luke P. Jackson** (Univ. of Oxford) and Svetlana Jevrejeva (NOC) The impact of half-a-degree Celsius upon the spatial pattern of future sea-level change.
- Peter Thejl** and **Torben Schmith** (Danish Meteorological Institute) Using the Co-Integrated VAR-model and the Johansen test in iterated trials to determine radiative climate forcing
- Masako Ikefuji (Univ. of Tsukuba), Roger J. A. Laeven (Univ. of Amsterdam), Jan R. Magnus (Vrije Univ. Amsterdam), **Yuan Yue** (Univ. of Amsterdam) Earthquake risk premia in property prices: Evidence from five Japanese cities
- Michael Peichl** (Helmholtz-Centre for Environmental Research) The Effect of Soil Moisture Anomalies on Maize Yield in Germany

List of Attendants

Agnijo Banerjee	Grove Academy, Dundee, UK
Alena Miftakhova	University of Zurich
Alessandro Giovannelli	University of Rome "Tor Vergata"
Anderson Ngowa Chembe	Strathmore University
Andrew Martinez	University of Oxford
Angela Wenham	University of Oxford
Arnab Bhattacharjee	Heriot-Watt University
Ben Marcangelo	
Bent Jasper Christensen	Aarhus University
Bent Nielsen	University of Oxford
Claudio Morana	University of Milan-Bicocca
Dalia Ghanem	University of California, Davis
David F Hendry	University of Oxford
David Stainforth	London School of Economics
David Ubilava	University of Sydney
Eric Hillebrand	Aarhus University
Felix Pretis	University of Oxford
Frank Convery	Environmental Defense Fund
Giselle Montamat	Harvard University
Ilaria Prodocimi	University of Bath
James Taylor	Saïd Business School, University of Oxford
Jennifer Castle	University of Oxford
Jerome Simons	University of Oxford
Jesus Gonzalo	U. Carlos III de Madrid
Julian Schweitzer	UN ILO
Jurgen Doornik	University of Oxford
Katarina Juselius	University of Copenhagen
Kristina Mohlin	Environmental Defense Fund
Li Chen	Monash & Xiamen University
Lisbeth la Cour	Copenhagen Business School
Lola Gadea	University of Zaragoza
Luke Jackson	University of Oxford
Mads Krarup	Copenhagen Business School
Martin Wagner	Technical University Dortmund and Inst. for Advanced Studies, Vienna
Matilde B. Røndbjerg	Copenhagen Business School
Michael Hanemann	Arizona State University/Berkeley
Moritz Schwarz	University of Oxford
Nabanita Datta Gupta	Aarhus University
Neil R Ericsson	Federal Reserve Board
Niels Buus Lassen	Copenhagen Business School
Paolo Agnolucci	UCL
Peichl, Michael	Helmholtz-Zentrum für Umweltforschung (UFZ)
Pengfei Zhang	Oxford University Postdoc
Peter Grabarczyk	TU Dortmund

Peter Thejll	Danish Meteorological Institute
Philip Rosenbaum	Copenhagen Business School
Praveen Teleti	Cambridge University
Reza Modarres	Department of Natural Resources, Isfahan University of Technology
Sophocles Mavroeidis	University of Oxford
Søren Johansen	University of Copenhagen
Subhayu Banerjee	
Sven Kunze	Heidelberg University
Thomas Sterner	University of Gothenburg
Timo Teräsvirta	CREATES, Aarhus Univ. and C.A.S.E., Humboldt-Universität zu Berlin
Tommaso Proietti	University of Rome Tor Vergata
Torben Schmith	Danish Meteorological Institute
Vanessa Berenguer Rico	University of Oxford
Xiaochun Meng	Saïd Business School, University of Oxford
Xiyu Jiao	University of Oxford
Yuan Yue	University of Amsterdam
Zack Miller	University of Missouri
Zoe Fannon	University of Oxford