



5th Conference of **Econometric Models of Climate Change**
August 26-27, 2021, Online

<https://www.climateeconometrics.org/conference2021/>

Registration: <https://us02web.zoom.us/meeting/register/tZ0vdeigrzkjHNZhDeCUSMd3NwZnuIBGd-N2>

Conference start time: 8:35am Eastern, 5:35am Pacific, 1:35pm GMT, 2:35pm CET, 8:35pm Beijing. Times in program refer to Eastern time (ET).

Thursday, August 26, 2021

8:35– 8:40	Eric Hillebrand, Felix Pretis, Tommaso Proietti: "Welcome"
ET	Keynote I
8:40-9:00	David F. Hendry (Oxford): "Forecasting Facing Climate Change, Evolving Pandemics and Economic Shifts"
"Empirical Climate Models I"	
9:00-9:10	Yoosoon Chang (Indiana), Zack Miller (Missouri), Joon Y Park (Indiana): "What Drives Temperature Anomalies? A Functional SVAR Approach"
9:10-9:20	Lola Gadea (Zaragoza), Jesus Gonzalo (UC3M): "Long-Term Climate Forecasts: A Heterogeneous Future"
9:20-9:30	Jingying Lykke Zhou, Eric Hillebrand, Mikkel Bennedsen (Aarhus): "The state space representation of a two-component energy balance model"
9:30-9:40	Andrew Harvey (Cambridge), Dario Palumbo (Cambridge & Venice): "Regime switching models for directional and linear observations"
9:40-9:50	Ross McKittrick (Guelph): "On the choice of TLS versus OLS in signal detection regression"
9:50-10:00	Luca Margaritella (Maastricht), Marina Friedrich (VU), Stephan Smeekes (Maastricht): "High-Dimensional Causality for Climatic Attribution"
10:00-10:15	Break

ET	“Impacts I” - Parallel Session A (Breakout Rm 1)	“Empirical Climate Models II” - Parallel Session B (Breakout Rm 2)
10:15-10:25	Xiyu Jiao (Oxford), Felix Pretis (UVic), Moritz Schwarz (Oxford): “Testing for Coefficient Distortion due to Outliers with an Application to the Economic Impacts of Climate Change”	Li Chen (Xiamen), Jiti Hao (Monash), Farshid Vahid (Monash): “Testing for Time-varying Seasonal and Country-specific Effects in Climate Change Using a Nonparametric Fixed-design Model”
10:25-10:35	Sandy Dall'erba (Illinois), André Chagas, William Ridley, Yilan Xu, Lilin Yuan: “Instrumental Variable Network Difference-in-Differences (IV-NDID) estimator: model and application”	Marc Gronwald, Xin Jin (Xi'an Jiaotong-Liverpool): “Long-run covariability of global temperature anomalies and forcings from greenhouse gases”
10:35-10:45	François Bareille (INRAE), Raja Chakir (INRAE): “Decomposing Weather Impacts on Crop Profits: the Role of Agrochemical Input Adjustments”	Hanno Reuvers (Rotterdam), Etienne Wijler (Maastricht): “Sparse Generalized Yule-Walker Estimation for Large Spatio-Temporal Autoregressions with an Application to NO2 Satellite Data”
10:45-10:55	Anna Lungarska, Raja Charkir, Pierre-Alain Jayet (INRA): “Land use adaptation to climate change in Europe: a spatial econometric analysis”	Eva Amon (Hagen), Robinson Kruse-Becher (Hagen): “Modelling and adaptive forecasting of trends in temperature distributions under structural breaks”
10:55-11:05	Menghan Yuan (Nord), Thomas Leirvik (Nord): “Heterogeneity in the Effects of Climate Change on Soybean Yields”	Roberto Casarin (Venice), Dario Palumbo (Cambridge & Venice), Francesco Ravazzolo (Bozen): “Dynamic Combination and Calibration for Climate Predictions”
11:05-11:15	Paolo Nota, A. Olper (Milan): “The Effects of the Weather on Agricultural Production: Evidence from an Unstable Climate”	
11:15-11:30	Break	

ET	“Impacts II” - Parallel Session A (Breakout Rm 1)	“Empirical Climate Models III” - Parallel Session B (Breakout Rm 2)
11:30-11:40	Andrej Drygalla, Katja Heinisch, Christoph Schult (Halle Institute for Economic Research): “Modeling climate-resilient economic development: Quantifying economic effects for Vietnam”	Luke P Jackson (Durham), Katarina Juselius (Copenhagen), Andrew Martinez (Treasury), Felix Pretis (UVic): “Modeling the Interconnectivity of Non-Stationary Polar Ice Sheets”
11:40-11:50	Robert Genthner (Goettingen), Sebastian Renner (Mercator), Enrica de Cian (Venice): “Heat and firm productivity: Evidence from Indonesia’s manufacturing sector”	Philippe Goulet Coulombe (UPenn), Maximilian Göbel (ISEG): “Arctic Amplification of Anthropogenic Forcing: A Vector Autoregressive Analysis”
11:50-12:00	Lotanna Emediegwu (Manchester), Chisom Ubabukoh (Manchester): “Re-examining the relationship between climate change and global livestock production”	Andrew Harvey (Cambridge), Jerome Simons (Cambridge): “Orbital Forcing of Ice Ages”
12:00-12:10	G Balaganesh (ICFRE), Ravinder Malhotra (ICAR), R Sendhil (ICAR): “The Extent of Adoption and Determinants of Drought Management Strategies in Drought Vulnerable Areas of Tamil Nadu, India”	David I Stern (ANU), Alessio Moneta (San’Anna School of Advanced Studies), Stephan Bruns (Hasselt): “Identifying the Main Forces of Glacial Dynamics: a Singular Structural Vector Autoregressive Approach”
12:10-12:20	Mook Bangalore (LSE): “Weather shocks and household impacts: Nigeria's 2012 floods”	Vasco Gabriel (UVic), Luis Martins (ISCTE), Anthoulla Phella (ECB): “Revisiting the Causal Role of CO ₂ in Ice Ages Using Long-Run Covariability Methods”
12:20-12:30	Joao Braga, Andreas Lichtenberger, Willi Semmler (New School): “Green Bonds for the Transition to a Low Carbon Economy”	
12:30-12:45	Break	

ET	Keynote II
12:45-13:05	Robert Engle (NYU): "Climate Financial Risk: Portfolios and Stress Tests"

Friday, August 27, 2021

ET	“Impacts III”
9:00-9:10	Manuel Linsenmeier (LSE): “Temperature variability and long-run economic development”
9:10-9:20	Richard Tol (Sussex, VU): “The climate niche of Homo Sapiens”
9:20-9:30	R Sendhil, Uttam Ghimire, HM Mamrutha, K Rinki, G Balaganesh, GP Singh (ICAR): “Identification of climate change induced heat stress sensitive environment and prediction for diverse representative concentration pathways - A novel approach for tracking hotspots”
9:30-9:40	Hee Soo Kim (Indiana), Christian Matthes (Indiana), Toan Phan (Fed Richmond): “Extreme Weather and the Macroeconomy”
9:40-9:50	Matthew Gammans (Michigan State), Pierre Merel (UCD), Emanuel Paroissien (Paris-Saclay): “Reckoning climate change damages along an envelope”
9:50-10:00	Hazem Krichene, T. Geiger, K Frieler, S N Willner, I. Sauer, C. Otto (PIK): “Long-term impacts of tropical cyclones and fluvial floods on economic growth – empirical evidence on transmission channels at different levels of development”
10:00-10:15	Break

ET	“Policy & Technology I”
10:15-10:25	Anita Tendler (BU), Robert Kaufmann (BU): “A Comprehensive Analysis of the Solar PV Learning Curve: Quantifying a Solar PV Feedback Loop”
10:25-10:35	Fabian Aponte, Nikki Luttikhuis, Kirsten S Wiebe: “A simultaneous innovation-diffusion model including additional sustainability goals”
10:35-10:45	Moritz Schwarz, Ryan Rafaty, Susana Campos-Martins (Oxford): “Speculation or market forces? What drives the EU ETS price and what does this tell us about abatement costs.”
10:45-10:55	Fabian Knorre (TU Dortmund), Martin Wagner (Klagenfurt): “Nonparametric Cointegration Analysis of the Environmental Kuznets Curve Hypothesis”
10:55-11:05	Robert Kaufmann (BU): “The effect of price volatility on decisions about energy efficiency: implications for climate policy”
11:05-11:15	T Gasser, A Rezai, A Baklanov, C Cheritel, M Obersteiner (IIASA): “A Bayesian-inferred climate module for robust climate policy”
11:15-11:30	Break

ET	“Finance & Trade” - Parallel Session A (Breakout Rm 1)	“Policy & Technology II” - Parallel Session B (Breakout Rm 2)
11:30-11:40	Alexander Blasberg (Duisburg-Essen): “Climate Default Swap – Disentangling the Exposure to Transition Risk Through CDS”	Federico Carlini (LUISS), BJ Christensen (Aarhus), Nabanita Datta Gupta (Aarhus), Paolo Santucci de Magistris (LUISS): “The impact of climate and demand on the potential of wind energy for CO ₂ abatement”
11:40-11:50	Alan Feng (IMF), Haishi Li (Chicago): “We Are All in the Same Boat: Cross-Border Spillovers of Climate Risk Through International Trade and Supply Chain”	Marco Quatrosi (Ferrara): “Emission Trading in a high dimensional context: to what extent carbon markets are integrated with the broader system?”
11:50-12:00	Claudio Morana (Milano-Bicocca): “A new macro-financial condition index for the euro area”	Shreya Some (Ahmedabad University), Joyashree Roy (Asian Inst. Of Tech.), Arpita Ghose (Jadavpur University), Pawan Sharma (KVK-Kathua): “Marginal abatement cost for methane emission reduction: Case of paddy cultivation in India”
12:00-12:10	Dieter Wang (World Bank): “Natural Capital and Sovereign Bonds”	Sachintha Fernando (Martin Luther Univ): “The Environmental Effectiveness of Carbon taxes: A Comparative Case study of the Nordic experience”
12:10-12:20	Susana Campos-Martins (Oxford), David F. Hendry (Oxford): “Geoclimate, Geopolitics, and the Geovolatility of Carbon-Intensive Equity Returns”	Heather Anderson, Jiti Gao, Guido Turnip, Farshid Vahid, Wei Wei (Monash): “Estimating the effect of an EU-ETS type scheme in Australia using a synthetic treatment approach”
12:20-12:30	Break	

ET	Keynote III
12:30-12:50	James H Stock (Harvard): “Decarbonizing Light Duty Vehicles”