

Patrick Baylis

Stanford University
Center on Food Security and the Environment
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Professional appointments

2017-Present ASSISTANT PROFESSOR, Vancouver School of Economics, University of British Columbia
2016-2017 POSTDOCTORAL FELLOW, Stanford Institute on Food Security and the Environment
2014-2016 GRADUATE STUDENT RESEARCH ASSISTANT, Lawrence Berkeley National Labs
2011-2016 GRADUATE STUDENT RESEARCHER, Energy Institute at Haas
2009-2011 SUSTAINABILITY CONSULTANT, Ackerstein Sustainability
2008-2009 MANAGEMENT CONSULTANT, Arcadia Solutions

Education

2016 PH.D. in Agricultural and Resource Economics, University of California, Berkeley
• Areas of specialization: Environmental economics and applied econometrics
• Dissertation: Essays on the Human Effects of Climate Change
– Committee: [Max Auffhammer](#) (chair), [Severin Borenstein](#), [Meredith Fowlie](#),
[Solomon Hsiang](#)

2012 M.S. in Agricultural and Resource Economics, University of California, Berkeley
2008 B.A. in Political Science/International Relations, Carleton College

Research

PUBLICATIONS

Max Auffhammer, Patrick Baylis, and Catherine Hausman. Climate change is projected to have severe impacts on the frequency and intensity of peak electricity demand across the United States. 2017. *Proceedings of the National Academy of Sciences*, 114(8). [[Paper](#)] [[Supplemental](#)]

WORKING PAPERS

Patrick Baylis. Temperature and temperament: Evidence from a billion tweets. Submitted. [[Working paper](#)]

Meredith Fowlie, Catherine Wolfram, Anna Spurlock, Annika Todd, Patrick Baylis, and Peter Cappers. Default Effects, Follow-on Behavior and Welfare in Residential Electricity Pricing Programs. Submitted. [[NBER Working Paper](#)]

Warming increases suicide rates in the United States and Mexico. Marshall Burke, Ceren Baysan, Felipe Gonzalez, Patrick Baylis, Sam Heft-Neal, Sanjay Basu, and Solomon Hsiang. Submitted.

Patrick Baylis, Nick Obradovich, Yury Kryvasheyev, Caron Chen, Lorenzo Coviello, Esteban Moro, Manuel Cebrian, and James Fowler. Weather impacts expressed sentiment. Submitted.

Teaching

- 2018 ASSISTANT PROFESSOR, **ECON573: Graduate Environmental Economics**
2017 ASSISTANT PROFESSOR, **ECON371: Undergraduate Environmental Economics**
2013 GRADUATE STUDENT INSTRUCTOR, **ARE212: Multiple Equation Estimation**
- Graduate econometrics; Maximilian Auffhammer, instructor
 - Section material applies economic theory to empirical data work using R
 - Received Outstanding Graduate Student Instructor award

Presentations

- 2017 May 18: Stanford University (SEEPAC Research Workshop on Climate Impacts)
May 15: Stanford University (Sustain Lab)
March 8: Stanford University (Center on Food Security and the Environment seminar)
- 2016 July 30: Agricultural and Applied Economics Association Annual Conference (presenter)
June 30: UC-Berkeley (Energy Camp)
April 21: UC-Berkeley (Energy Institute Research in Progress Seminar)
March 15: National Center for Atmospheric Research (Invited presentation)
February 8: Stanford Management Science & Engineering (Invited presentation)
February 3: University of British Columbia (Invited presentation)
February 1: Stanford Center on Food Security and the Environment (Invited presentation)
January 27: Pittsburgh University (Invited presentation)
January 20: Montana State University (Invited presentation)
- 2015 October 23: UC-Berkeley (Energy Institute Seminar)
October 17: University of Illinois (Heartland Workshop)
September 25: UC-Berkeley (ARE Seminar)
September 4: University of Colorado (Vail Workshop)
July 15: UC-Berkeley (Climate Workshop)
July 13: UC-Berkeley (Energy Institute Research in Progress Seminar)
June 5: Associate of Environmental and Resource Economics Annual Conference (presenter)

April 16: UC-Berkeley (Climate Change Economics Lunch)

2014 October 27: UC-Berkeley (Energy Institute Research in Progress Seminar)
April 25: UC-Berkeley (Energy Institute Research in Progress Seminar)

Grants, Honors & Awards

2016 National Center for Atmospheric Research visiting researcher
2015 Giannini Foundation grant (joint with Judson Boomhower)
2013 Outstanding Graduate Student Instructor award

Service

ADMISSIONS COMMITTEE, Student representative, University of California Berkeley
MEMBER, American Economic Association
MEMBER, Association of Environmental and Resource Economists

Other

REFEREE

Journal of the Association of Environmental and Resource Economists, Journal of Environmental Economics and Management, Energy Economics

MEDIA

PROJECTING THE IMPACT OF CLIMATE CHANGE ON U.S. ELECTRICITY LOAD: New York Times (hyperlink), Ars Technica
TEMPERATURE AND TEMPERAMENT: EVIDENCE FROM A BILLION TWEETS: Popular Science, Washington Post, Time, Weather Channel, Berkeley News, UC Newsroom, ChicagoInno