

OLIVIER DESCHENES

CURRENT APPOINTMENTS

University of California, Santa Barbara

Professor, Department of Economics

July 2016—present

**Bren School of Environmental Science and Management,
University of California, Santa Barbara**

Affiliated Appointment

July 2008—present

National Bureau of Economic Research, Cambridge MA

Research Associate

October 2009—present

Faculty Research Fellow

September 2007—September 2009

(Program Affiliation: Environmental and Energy Economics)

Institute of Labor Economics (IZA), Bonn, Germany

Research Fellow

May 2011—present

Program Coordinator, Environment, Health and Labor Markets area

July 2012—present

**Broom Center for Demography,
University of California, Santa Barbara**

Research Associate

April 2012—present

PAST APPOINTMENTS

University of California, Santa Barbara

Associate Professor, Department of Economics

July 2007— July 2016

University of California, Santa Barbara

Assistant Professor, Department of Economics

July 2001—June 2007

Princeton University

Visiting Research Fellow, Industrial Relations Section

July 2004—June 2005

University of California, Berkeley

Visiting Scholar, Center for Labor Economics

September 2002—December 2002

FIELDS OF INTEREST

Environmental and Energy Economics, Health Economics, Labor Economics

CURRENT AREAS OF RESEARCH

Causal analysis in environmental and resource economics; Labor market and environmental implications of energy transition; Economic and health impacts of global climate change; Adaptation to climate change; Health effects of air pollution; Impact of temperature and air pollution on labor markets; Relationship between energy markets and labor markets.

EDUCATION

Ph.D., Economics, Princeton University, 2001
M.A., Economics, University of Montreal, 1996
B.A., Economics, University of Montreal, 1995

PUBLICATIONS

Social Distancing Responses to COVID-19 Emergency Declarations Strongly Differentiated by Income (with J. Weill, M. Springborn, and M. Stigler), **Proceedings of the National Academy of Sciences**, July 2020, 202009412. <https://doi.org/10.1073/pnas.2009412117>

The Effect of Air Pollution on Body Weight and Obesity: Evidence from China (with H. Wang, S. Wang, and P. Zhang), **Journal of Development Economics**, Volume 145, 2020
<https://doi.org/10.1016/j.jdeveco.2020.102461>

The Economic Impacts of Natural Disasters: A Review of Models and Empirical Studies (with W. Botzen and M. Sanders), **Review of Environmental Economics and Policy**, Volume 13, 2019, pp. 167–188 <https://doi.org/10.1093/reep/rez004>

Quasi-Experimental Methods in Environmental Economics: Opportunities and Challenges (with K. Meng), **Handbook of Environmental Economics**, Volume 4, 2018, pp. 285-328

Maybe Next Month? Temperature Shocks, Climate Change, and Dynamic Adjustments in Birth Rates (with A. Barreca, and M. Guldi), **Demography**, August 2018, Volume 55, pp. 1269-1293
<https://doi.org/10.1007/s13524-018-0690-7>

A Forward-Looking Ricardian Approach: Do Land Markets Capitalize Climate Change Forecasts? (with C. Severen and C. Costello), **Journal of Environmental Economics and Management**, May 2018, Volume 89, Number 3, pp. 235-254. <https://doi.org/10.1016/j.jeem.2018.03.009>

Temperature Effects on Productivity and Factor Reallocation: Evidence from a Half Million Chinese Manufacturing Plants (with P. Zhang, K. Meng, and J. Zhang), **Journal of Environmental Economics and Management**, March 2018, Volume 88, Number 3, pp. 1-17.
<https://doi.org/10.1016/j.jeem.2017.11.001>

Defensive Investments and the Demand for Air Quality: Evidence from the NO_x Budget Program (with M. Greenstone and J. Shapiro), **American Economic Review**, October 2017, Volume 107, Number 10, pp. 2958-89. <https://doi.org/10.1257/aer.20131002>

Agricultural Pesticide Use and Adverse Birth Outcomes in the San Joaquin Valley of California (with S. Gaines and A. Larsen), **Nature Communications**, 2017, 8(302), pp. 1-14

Economic Considerations: Cost-Effective and Efficient Climate Policies (with M. Auffhammer, C. Lin Lawell, J. Bushnell, and J. Zhang), in Veerabhadran “Ram” Ramanathan (Ed.), *Bending the Curve: Ten Scalable Solutions for Carbon Neutrality and Climate Stability*. **Collabra**, December 2016, Volume 2, Number 1, Article 18, pp. 1-14

Children and Climate Change: Introducing the Issue (with J. Currie), **Future of Children**, Spring 2016, Volume 26, Number 1, pp. 3-9

Adapting to Climate Change: The Remarkable Decline in the U.S. Temperature-Mortality Relationship over the 20th Century (with A. Barreca, K. Clay, M. Greenstone, and J. Shapiro), **Journal of Political Economy**, February 2016, Volume 124, Number 1, pp. 105-159

Spatiotemporal Variation in the Relationship Between Landscape Simplification and Insecticide Use (with S. Gaines and A. Larsen), **Ecological Applications**, October 2015, Volume 25, Issue 7, pp. 1976–1983

Convergence in Adaptation to Climate Change: Evidence from High Temperatures and Mortality, 1900-2004 (with A. Barreca, K. Clay, M. Greenstone, and J. Shapiro), **American Economic Review, Papers and Proceedings**, May 2015, Volume 105, Number 5, pp. 247-251

Green Jobs, in **International Encyclopedia of the Social and Behavioral Sciences, 2nd edition**, edited by James D. Wright, 2015, pp. 372-378

Temperature, Human Health, and Adaptation: A Review of the Empirical Literature, **Energy Economics**, November 2014, Volume 46, pp. 606-619

Environmental Regulations and Labor Markets, **IZA World of Labor**, July 2014

Removing Biases in Forecasts of Fishery Status (with C. Costello, S. Gaines, and A. Larsen), **Journal of Bioeconomics**, July 2014, Volume 16, Number 2, pp. 213-219

The Economic Impacts of Climate Change: Evidence from Agricultural Profits and Random Fluctuations in Weather: Reply (with M. Greenstone), **American Economic Review**, December 2012, Volume 102, Number 7, pp. 3761-3773

Status and Solutions for the World's Unassessed Fisheries (with C. Costello, D. Ovando, R. Hilborn, S. Gaines, and S. Lester), **Science**, October 26 2012, 338, 517-520

Climate Policy and Labor Markets, in **The Design and Implementation of U.S. Climate Policy**, Edited by Don Fullerton and Catherine Wolfram, University of Chicago Press, 2012

Using Panel Data Models to Estimate the Economic Impacts of Climate Change on Agriculture (with M.Greenstone), in **Handbook on Climate Change and Agriculture**, Edited by Ariel Dinar and Robert Mendelsohn, Edward Elgar Publishing, 2011

Economic Impacts of Climate Change on California Agriculture (with C. Kolstad), **Climatic Change**, December 2011, 109, 365-386

Climate Change, Mortality, and Adaptation: Evidence from Annual Fluctuations in Weather in the U.S. (with M. Greenstone), **American Economic Journal: Applied Economics**, October 2011, 3(4): 152-185

Extreme Weather Events, Mortality and Migration (with E. Moretti), **Review of Economics and Statistics**, November 2009, 91(4): 659-681

Climate Change and Birth Weight (with M. Greenstone and J. Guryan), **American Economic Review, Papers and Proceedings**, May 2009, 99(2): 211-217

Estimating the Effect of Family Background on the Returns to Schooling, **Journal of Business and Economic Statistics**, July 2007, Volume 25, Number 3, pp. 265-277

The Economic Impacts of Climate Change: Evidence from Agricultural Profits and Random Fluctuations in Weather (with M. Greenstone), **American Economic Review**, March 2007, Volume 97, Number 1, pp. 354-385

The Long-Term Impact of Military Service on Health: Evidence from World War II and Korea Veterans (with K. Bedard), **American Economic Review**, March 2006, Volume 96, Number 1, pp. 176-194

Sex Preferences, Marital Dissolution and the Economic Status of Women (with K. Bedard), **Journal of Human Resources**, Spring 2005, Volume 40, Number 2, pp. 411-434

Do Unemployment Insurance Claimants Actively Seek Work? Evidence from Randomized Trial in Four U.S. States (with O. Ashenfelter and D. Ashmore), **Journal of Econometrics**, October 2005, Volume 125, Number 1, pp. 53-75

EDITED VOLUMES

Children and Climate Change, **The Future of Children**, published by Princeton University and Brookings Institute, Washington D.C., Spring 2016, edited with Janet Currie

OTHER PUBLICATIONS

Economic Impacts of Climate Change on California Agriculture, October 2008, Report Prepared for the California Energy Commission and the California Environmental Protection Agency (with C. Costello and C. Kolstad)

AWARDS AND HONORS

Excellence in Refereeing Award, American Economic Review, 2018

Albert Rees Prize for Outstanding Dissertation in Labor Economics, Princeton University, 2007

Bill Garlock Faculty Fellow in Economics, UCSB, 2001-2005

W.E. Upjohn Institute Dissertation Award, First-Prize Winner, 2002

Industrial Relations Section Fellowship, Princeton University, 1996-2000

Social Sciences and Humanities Research Council Graduate Fellowship, 1996-2000

RESEARCH GRANTS

Sloan Foundation, Grant Number G-2020-13958, “Labor Market Implications of Renewable Energy Policies,” September 2020 – December 2021

UCSB Academic Senate Grant, 2020-2021

California Environment Protection Agency, Grant Number 19EPA017, “AB 74 Study: Demand and Supply of Fossil Fuels,” March 2020 – March 2022 (with R. Deshmukh, D. Lea, and K. Meng)

UCSB Academic Senate Grant, 2016-2017

UCSB Academic Senate Grant, 2012-2013

UCE3 Mini-Grant, 2012

National Institutes of Health / National Institute of Environmental Health Sciences, Grant Number R21ES019375, “Using Medication Purchases to Measure the Health Consequences of Air Pollution”, July 2010 – July 2013 (with M. Greenstone and J. Shapiro)

UCSB Academic Senate Grant, 2008-2009

IBSER Grant, University of California, Santa Barbara, 2008-2009

CalEPA PIER Scripps Grant, 2007-2008 (with C. Costello and C. Kolstad)

UCSB Academic Senate Grant, 2006-2007

IBSER Grant, University of California, Santa Barbara, 2005-2006

UCSB Academic Senate Grant, 2003-2004

IBSER Grant, University of California, Santa Barbara, 2002-2003

TEACHING EXPERIENCE

Econometric Theory (Ph.D. Level), Applied Econometrics (Ph.D. Level), Economics and Climate Change (Undergraduate) Econometrics (Undergraduate, 2 classes), Econometrics (Master Level, 1 class), Intermediate Microeconomics (Undergraduate, 1 class), Labor Economics (Undergraduate, 2 classes)

DISSERTATION ADVISEES

Belinda Acuna (2009), Shamlan Albahar (2018), Drew Benkhe (2017)*, Ernest Boffy-Ramirez (2013), Brianna Briggs (2008), Serena Canaan (2016), Insook Cho (2008), Karin Donhowe (2016), Christopher Erb (2009), Christopher Goodwin (2015), Benjamin Hansen (2009), Juliana Helo (2020), Doug Herman (2006), Bree Jones (2010), Katherine Kimble (2013), Matt Lang (2010), Ashley Larson (2015), Bryan Leonard (2016), Corey Lott (2017)*, Fernando Lozano (2005), Hani Mansour (2009), Levi Marks (2019)*, Steve Miller (2015), Jennifer Milosch (2014), Renato Molina (2018), Trevor O'Grady (2013), Ashwin Rode (2014), Sahani Saha (2007), Christopher Severen (2017)*, Damien Sheehan-Connor (2008), Sahaab Bader Sheikh (2020)*, Patricia Silva (2006), Corey White (2017)*, Matthew Wibbenmeyer (2018), Allison Witman (2014), Peng Zhang (2016)*.

* Chaired or co-chaired committees.

PROFESSIONAL ACTIVITIES

EDITORIAL ACTIVITIES

Co-Editor, Resource and Energy Economics, 2020—present
Associate Subject Editor, IZA World of Labor, 2015—present
Associate Editor, Asian Development Review, 2018-2019
Editorial Advisor, Canadian Journal of Economics, 2008-2010

REFeree

American Economic Review, American Economic Journals: Applied Economics, American Economic Journals: Public Economics, American Economic Journals: Macroeconomics, American Journal of Agricultural Economics, Berkeley Electronic Press, Canadian Journal of Economics, Climatic Change, Econometrica, Econometric Reviews, Economica, Economic Inquiry, Economic Journal, Educational Evaluation and Policy Analysis, Environmental Management Review, Environmental Management, Environmental and Resource Economics, Environmental Health Perspectives, European Economic Review, Industrial and Labor Relations Review, Industrial Relations, IZA Journal of Labor Economics, IZA World of Labor, Journal of Applied Econometrics, Journal of Business and Economic Statistics, Journal of Development Economics, Journal of Economic Literature, Journal of Econometrics, Journal of Environmental Economics and Management, Journal of the European Economic Association, Journal of Human Resources, Journal of Labor Economics, Journal of Political Economy, Journal of Population Economics, Journal of Public Economics, Journal of Urban Economics, Labour Economics, National Science Foundation,

Quarterly Journal of Economics, Review of Economic Studies, Review of Economics and Statistics,
Scandinavian Journal of Economics, Science, Southern Economic Journal

INVITED SEMINARS

University of California, Santa Barbara, Bren School of Environmental Management, May 2020
Paris AgroTech, France, October 2019
Laboratoire BETA, France, October 2019
Regensburg University, Germany, May 2019
University of Texas-Austin, April 2019
University of Wyoming, April 2019
University of Connecticut, September 2018
University of Verona, April 2018
Hong Kong Polytechnic University, March 2018
Toulouse School of Economics, September 2017
VU University Amsterdam, Tinbergen Institute Seminar, June 2017
London School of Economics, Grantham Research Institute Seminar, June 2017
Oxford University, Oxford Centre for the Analysis of Resource Rich Economies (OxCarre) Seminar,
June 2017
Princeton University, Joint Science, Technology and Environmental Policy Program & Industrial
Relations Section Seminar, April 2017
University of Oklahoma, Department of Economics, March 2017
University of Illinois, Urbana-Champaign, College of Business, October 2016
Cornell University, Dyson School of Applied Economics and Management, May 2016
Case Western Reserve University, Department of Economics, November 2015
National University of Singapore, Business School, October 2015
Simon Fraser University, Department of Economics, October 2014
Resources for the Future, May 2014
University of California Berkeley, Agricultural and Resource Economics, March 2014
University of Arizona, Department of Economics, December 2013
Harris School of Public Policy, University of Chicago, October 2013
Institute for the Study of Labor (IZA), Bonn, Germany, September 2013
National University of Singapore, Business School, July 2013
Université de Montpellier, France, Centre LAMETA, June 2013
Claremont McKenna College, Department of Economics, May 2013
University of California San Diego, Department of Economics, March 2013
University of Southern California, Department of Economics, February 2013
Cal State Polytechnic Institute, San Luis Obispo, Department of Economics, February 2012
University of Washington, Department of Economics, October 2011
National Institute of Environmental Health and Sciences, RTP NC, April 2011
Clemson University, Department of Economics, February 2011
Columbia University, Sustainable Development Seminar Series, December 2010
University of California Davis, Department of Economics, October 2010
Tilburg University, Department of Economics, November 2009

Tulane University, Department of Economics, September 2009
Rand Corporation, Santa Monica, April 2009
Georgetown University, Public Policy Institute, November 2008
HEC Montreal, Institute for Applied Economics, September 2008
University of California, Santa Barbara, Bren School of Environmental Management, May 2008
Tufts University, The Fletcher School, January 2008
University of California, Santa Barbara, Department of Geography, May 2007
University of California, Los Angeles, Department of Economics, March 2007
Wharton School, University of Pennsylvania, December 2006
University of California, Berkeley, Center For Labor Economics Lunch, January 2006
University of California, Santa Cruz, Department of Economics, December 2005
University of California, Davis, Department of Economics, November 2005
University of Texas, Austin, Department of Economics, April 2005
Columbia University, Department of Economics, December 2004
Princeton University, Department of Economics, November 2004
Cornell University, Department of Economics, October 2004
University of Illinois at Urbana-Champaign, Department of Economics, October 2004
Institute for the Study of Labor (IZA), Bonn, Germany, April 2004
Claremont McKenna College, Department of Economics, December 2003
University of California, Berkeley, Center For Labor Economics Lunch, October 2003
McGill University, Department of Economics, September 2003
Massachusetts Institute of Technology, Department of Economics, April 2003
Stanford University, Department of Economics, March 2003
University of British Columbia, Department of Economics, October 2002
University of California, Berkeley, Department of Economics, February 2002
University of California, Santa Barbara, Department of Economics, February 2001
University of Toronto, Department of Economics, January 2001
Cornell University, Department of Economics, January 2001
Rochester University, Department of Economics, October 2000
University College London, Department of Economics, January 2001
University of Montreal, Department of Economics, January 2001
University of Quebec at Montreal, Department of Economics, January 2001
HEC Montreal, Institute for Applied Economics, January 2001
University of Illinois at Urbana-Champaign, Department of Economics, December 2000
Princeton University, Department of Economics, October 2000

INVITED LECTURES

University of Verona, “Quasi-Experimental Methods in Environmental Economics,” April 2018
Hong Kong Polytechnic University, “Quasi-Experimental Methods in Environmental Economics,” March 2018
National University of Singapore, “Theoretical and Empirical Issues in Measuring the Welfare Effects of Environmental Pollution Using Health Outcomes,” October 2015
University of California Center for Environmental and Energy Economics Summer School, “Labor, Health, and Environmental Quality,” August 2012

CONFERENCE PRESENTATIONS

Seoul Workshop on Energy Economics 2019 – Seoul, South Korea (**Keynote Speaker**)
Essen Health Conference 2018 - Health and Environment, Essen, Germany (**Keynote Speaker**)
Winter Meeting of French Association of Environmental and Resource Economists (FAERE), Paris, France, December 2017 (**Keynote Speaker**)
Asian Development Bank Conference on The Climate Change Challenge to Development in Asia, Seoul, South Korea, August 2017
Twenty Fourth Annual Conference on Environmental Economics, Ulvon, Sweden, June 2017 (**Keynote Speaker**)
SEEPAC Research Workshop: Advances in Estimating Economic Effects from Climate Change Using Weather Observations, Stanford University, May 2017
Fourth Annual Economics of Low-Carbon Markets Workshop, University of São Paulo, Brazil, December 2016 (**Keynote Speaker**)
EAERE Annual Conference, Zurich, Switzerland, June 2016
AERE Summer Conference, Breckenbridge CO, June 2016
ASSA Meetings, Boston MA, January 2015
Institute for International Economic Studies Conference on Climate and the Economy, Stockholm Sweden, September 2012
NBER Conference on Integrated Assessment Modeling, Cambridge MA, May 2012
UCSB/ARB AB32 Workshop on Measuring the Economic Impacts of Cap-and-Trade Regulation, Santa Barbara April 2012
UCSD Workshop on Human Capital and the Environment, San Diego, January 2012
IZA Workshop on Environment and Labor, Bonn, Germany, December 2011
UCSB Workshop on Environmental Economics and Development, December 2010
Fourth World Congress of Environmental and Resource Economists, Montreal, Canada, July 2010
NBER Conference on Design and Implementation of Climate Policy, Washington D.C., May 2010
NBER, Labor Studies and Energy and Environmental Economics Joint Spring Meeting, April 2009
ASSA Meetings, San Francisco, January 2009
Association of Environmental and Resource Economists Annual Meetings, Berkeley CA, June 2008
Ninth Occasional California Workshop on Environmental and Resource Economics, Bren School, University of California Santa Barbara, November 2009
Society of Labor Economists Meetings, Cambridge MA, May 2006
Eight Occasional California Workshop on Environmental and Resource Economics, Bren School, University of California Santa Barbara, October 2003

European Econometric Society Meetings, Venice, Italy, August 2002

CONFERENCE DISCUSSIONS

ASSA Meetings, San Diego, January 2020

ASSA Meetings, San Francisco, January 2016

ASSA Meetings, San Diego, January 2013

NBER EEE Spring Meetings, Cambridge MA, March 2012

ASSA Meetings, Chicago, January 2012

ASSA Meetings, Denver, January 2011

NBER Conference on Design and Implementation of Climate Policy, Washington D.C., May 2010

NBER Climate Change: Past and Present Conference, May 2009

ASSA Meetings, Chicago, January 2007

SOLE Meetings, Toronto, September 2003

CONFERENCE ORGANIZATION

Co-organizer, 17th California Occasional Workshop on Environmental and Resource Economics, November 2018 (with K. Meng)

Co-organizer, IZA Workshops on Environment and Labor Markets, IZA Bonn, Germany, Annually, 2013-2019 (with N. Pestel)

Co-organizer, 12th California Occasional Workshop on Environmental and Resource Economics, October 2010 (with C. Kolstad)

Co-organizer, NBER Spring Meeting, Cambridge MA, April 2009 (with D. Fullerton)

Co-organizer, Conference on “Quasi-Experimental Methods in Health Economics,” Santa Barbara, March 2007 (with D. Steigerwald)

Co-organizer, Conference on “Spatial & Social Interactions in Economics,” Santa Barbara, April 2003, (with P. Kuhn)

UNIVERSITY SERVICE

Member, UC Global Climate Leadership Council Applied Research Working Group (ARWG), 2020—present

Member, UCSB Committee on Committee, 2017-2019

Member, ISBER Advisory Committee, 2016-2019

Member, UCSB Graduate Council, 2014-2016

Co-Associate Director, University of California Center for Energy and Environmental Economics (UCE3), September 2009—2014

Director of Graduate Studies, Department of Economics, 2010-2013

Member, Faculty Search Committee, Bren School of Environmental Science and Management, 2008, 2010, 2011, 2013, 2017

Member, Junior Faculty Search Committee, 2001-2004, 2007-2008, 2015, 2016, 2017

Member, Graduate Committee, 2007-2008

Placement Director, 2007-2008

Departmental Speaker, UCSB Affiliates Economic Forum, September 2007

July 2020