

ERIC C. EDWARDS

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Department of Applied Economics
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POSITION

2014- Assistant Professor, Department of Applied Economics, Utah State University

EDUCATION

2014 Ph.D. Economics and Environmental Science, Univ. of California, Santa Barbara
2008 M.B.A., Simon Graduate School of Business, Univ. of Rochester
2005 B.S., Mathematics, Univ. of Idaho (Magna cum laude)

RESEARCH

Publications

Edwards, E.C. 2016. What Lies Beneath? Aquifer Heterogeneity and the Economics of Groundwater Management. *Journal of the Association of Environmental and Resource Economists*, vol. 3 no. 2, pp. 453-91.

Grafton, R.Q., Libecap, G.D., Edwards, E.C., O'Brien, R.J., and Landry, C. 2012. Comparative Assessment of Water Markets: Insights from the Murray-Darling Basin of Australia and the Western USA. *Water Policy*, 14(2): 175-93.

Book Chapters

Edwards, E.C. and Libecap, G.D. 2015. Water Institutions and the Law of One price, *R. Halvorsen and D.F. Layton eds. Handbook on the Economics of Natural Resource*, Edward Elgar Publishing, pp. 442-473.

Working Papers

Edwards, E.C., Libecap, G.D, Cristi, O. and Edwards, G. An Illiquid Market in the Desert: The Role of Interest Groups in Shaping Environmental Regulation. NBER Working Paper No. 21869. Under review.

Edwards, E.C., Bosworth, R.C., Baji, V., Burrows, A., Gerdes, C., Adams, P., Jones, M. Economic Insight from Utah's Water Efficiency Supply Curve. Revise and resubmit at *Water*.

Edwards, E.C. and Smith, S.M. The Role of Irrigation in the Development of American Agriculture.

Ayres, A.B., Edwards, E.C. and Libecap, G.D. The Role of Bargaining Costs in Addressing the Depletion of Natural Resources: The Case of California's Groundwater

Edwards, E.C. and Sutherland, S.A. Consolidation in Alaskan Ports after the Introduction of Fishing Property Rights.

Edwards, E.C., Go, D.H. and Oladi, R. Predator-Prey Interaction in a Bi-Resource Economy and the Role of Free Trade.

Research in Progress

The Effect of Land Ownership on Oil and Gas Production: A Natural Experiment from the Wyoming Checkerboard (with Trevor O'Grady and David Jenkins)

Groundwater and Climate Adaptation: A Study of the Ogallala Aquifer in Kansas (with Ryan Abman)

Student Papers in Progress

Crop Choice and Groundwater Access (with Kyle Eager, MS)

Agriculture, Water, and Climactic Response on American Indian Reservations (with Muyang Ge, PhD)

Other Publications

Edwards, E.C. and Sutherland, S.A. Lobbying. Forthcoming 2017. *SAGE Encyclopedia of Political Behavior*

Edwards, E.C. 2016. Summary: An Illiquid Market in the Desert. *UNESCO Global Water Forum*: <http://www.globalwaterforum.org/2016/08/31/an-illiquid-market-in-the-desert/>

Edwards, E.C. 2016. Book Review: Chasing Water: A Guide for Moving From Scarcity to Sustainability. *Water Economics and Policy*, vol. 2 no. 2.

Edwards, E.C. 2014. Summary: What lies beneath? Aquifer heterogeneity and the economics of collective action. *UNESCO Global Water Forum*: <http://www.globalwaterforum.org/2014/04/28/>

TEACHING

Utah State:

APEC 1600: Natural Resources and American Economic Institutions, S17

APEC 7950: Graduate Seminar, F15, S16, F16

APEC 6500: Resource Economics (Masters), S15, S16

APEC 7500: Resource Economics (PhD), F14, S17

Univ. of California, Santa Barbara:

ESM 279: Fin. Mgmt. & Envr. Acct. (Masters), S13, S14; visiting S15, S16

PRESENTATIONS AND CONFERENCES

2016 University of Utah; Washington State University; Western Economics Association International Annual Meeting; USU Plant, Soils, and Climate Seminar

2015 Society for Institutional & Organizational Economics Annual Conference; Western Economics Association International Annual Meeting; North American Association of Fisheries Economists Forum; "Energy, the Environment, and Regulatory Policy" conference, Logan, UT—Invited Speaker; Weber State University; Montana State University

2014 Heartland Environmental and Resource Economics Workshop, University of Illinois Presenter; Water Markets Design Workshop, UC Santa Barbara—Invited Participant;

Penn State University; University of Illinois; University of Oklahoma; Colorado State University

- 2013 Western Economic Association International Annual Conference—Presenter, Association of Environmental and Resource Economists Session, CU Environmental and Resource Economics Workshop—Presenter, UCSB Environmental Politics Conference—Presenter
- 2012 All-University of California Conference in Energy and Environmental Economics—Presenter, CU Environmental and Resource Economics Workshop—Presenter, American Geophysical Union Fall Meeting—Presenter and Poster
- 2011 “Priming California’s Water Market Pump” Workshop Participant, International Water Conference at Cornell University—Poster

COMPETITIVE GRANTS

- 2016 Utah Agricultural Experiment Station Seed Grant: “Building Utah State's Capabilities in Water, Climate, and the Economy.” PI, \$40,000, July 2016-18.
- 2015 U.S. Department of Agriculture’s Agriculture and Food Research Initiative: “Native Waters on Arid Lands,” Co-PI, USU funding \$327,805 (grant total \$4.5 million), July 2015-2020.
- USU Office of Research and Graduate Studies Research Catalyst Grant: “A Unifying Framework for Environmental Markets: A Case Study of the Bear River Development.” PI, \$19,684, July 2015-16.
- USU Office of Research and Graduate Studies Research Assistantships RFP: “Integrating ecological, economic, and social components to improve effectiveness of landscape restoration.” Co-PI, no direct funding, August 2015-2017.
- 2014 NSF Dissertation Improvement Grant: “Doctoral Dissertation Research in Economics: Institutional Adaptation to a Heterogeneous Common Pool Resource: Management of the Critical High Plains Aquifer in Kansas,” Co-PI, \$15,288, February 2014-2016.
- 2011-12 UCE³ Mini-Grant: Trading Energy for Water: Desalinization and Firm Behavior in Northern Chile with Gary Libecap. Graduate Assistant, \$16,400.

AFFILIATED GRANTS

- 2016 NSF Research Traineeship Program. “Graduate Climate Adaptation Research that Enhances Education and Responsiveness of science at the management-policy intersection.” Collaborator—grad student and course development support.
- 2015 University of California Multi-campus Research Programs and Initiatives: Legal and Economic Data and Analysis of Environmental Markets; funded for travel; May 2015-Dec. 2016.
- 2014 NSF EBSCOR grant: Innovative Urban Transitions and Aridregion Hydro-Sustainability (iUTAH); collaborator, summer salary totaling \$21,465, GSR funding of \$23,000, July 2014-17.
- Participant in Western Association of Agricultural Experiment Station Multistate Research Project W3190: Management and Policy Challenges in a Water-Scarce World; no direct funding, November 2014-present.

FELLOWSHIPS AND AWARDS

- 2016 Society for Institutional and Organizational Economics: Ronald H. Coase Dissertation Award, First Runner-up
- 2014 Property and Environment Research Center: Lone Mountain Fellow
- 2013 Property and Environment Research Center: Summer Graduate Fellow
- 2010-12 Decker's Outdoor Corporation Fellow
- 2009-10 Emil Steck, Jr. Fellow
- 2009-14 University of California Regents Special Fellow

PROFESSIONAL SERVICE

- Referee: American Agricultural Economics Association Annual Meeting, *American Journal of Agricultural Economics*, *Conservation Letters*, *Ecological Economics*, *Institutional Economics*, *Journal of Agricultural and Resource Economics*, *Public Choice*, *Strategic Behavior and the Environment*, *Water Resources Research*
- Discussant: Western Econ. Assoc. Intl. Conference: Assoc. Envr. and Res. Econ. Session (2016), Allied Soc. Sci. Assoc. Annual Meeting: Economic History Association Session (2016), WEAI Conference: AERE Session (2015), WEAI Conference: Water Econ. and Institutions Session (2015), ASSA Annual Meeting: AERE Session (2015)
- Chair: WEAI Conference: AERE Session (2015), Occasional Workshop in Environmental and Resource Economics (2015)

STUDENTS SUPERVISED

Advisor

- Kyle Eager, MS Applied Economics 2016
Delphine Feigenbaum, MS Applied Economics 2016
Muyang Ge, PhD Economics 2019

Committee Member

- Ryan Barnes, PhD Economics 2016
Dong Hun Go, PhD Economics 2017
Ramjee Acharya, PhD Economics 2017
Jeffery Wright, MS Applied Economics 2017

Undergraduate Researchers

2016-17

Sarah Ross, Alan Ochoa, Cade Andrus, Gideon Maughan, Zach Malcame, Jake Rudd

2015-17

Coleman Gerdes, Environmental and Natural Resource Economics
Michelle Jones, Environmental and Natural Resource Economics
Amberlee Burrows, Environmental and Natural Resource Economics
Austin Brown, Civil Engineering
Jack Trice, Environmental Studies

2015-16

Viviane Baji, graduated 2016, BS Environmental and Natural Resource Economics
Research Analyst at WestWater Research

Patrick Adams, graduated 2016, BS Economics and Environmental Studies
Environmental Intern at Newmont Mining Corporation

Philip Visser, graduated 2016, BS Environmental and Natural Resource Economics
Seasonal Technician at Marion County Conservation Board