

ERIC C. EDWARDS

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Department of Applied Economics
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POSITION

- 2018- Assistant Professor, Department of Agricultural and Resource Economics
North Carolina State University
- 2014-2018 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. and Smith, S.M. The Role of Irrigation in the Development of Agriculture in the United States. Accepted at *Journal of Economic History*.
- Edwards, E.C., Libecap, G.D, Cristi, O. and Edwards, G. An Illiquid Market in the Desert: Estimating the Cost of Water Trade Restrictions in Northern Chile. Accepted at *Environment and Development Economics*.
- Edwards, E.C., Bosworth, R.C., Adams, P., Baji, V., Burrows, A., Gerdes, C., Jones, M. 2017. Economic Insight from Utah's Water Efficiency Supply Curve. *Water*, 9, 214.
- 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.

Working Papers

- Ayres, A.B., Edwards, E.C. and Libecap, G.D. Do Transaction Costs Obstruct Collective Action to Limit Common-pool Losses? Evidence from California's Groundwater. NBER Working Paper No. 23382. Revision requested at *Journal of Environmental Economics and Management*.
- Edwards, E.C., Go, D.H. and Oladi, R. Predator-Prey Interaction in a Bi-Resource Economy and the Role of Free Trade. Revision requested at *Environmental and Resource Economics*.

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

Edwards, E.C., O'Grady, T. Jenkins, D. Land Ownership and Delay in Oil and Gas Production: A Natural Experiment. In Preparation.

Ge, M., Edwards, E.C. and Akhundjanov, S.B. Land Ownership and Irrigation on American Indian Reservations: A Regression Discontinuity Approach. In Preparation.

Edwards, E.C. and Null, S.E. The Cost of Addressing Saline Lake Decline and the Potential for Markets. In Preparation.

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.

Other Publications

Edwards, E.C. and Sutherland, S.A. 2017. Lobbying. Lobbying. Fathali M. Moghaddam ed. *SAGE Encyclopedia of Political Behavior*, SAGE Publications, Inc. Thousand Oaks, CA, pp. 448-451.

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, F17, S18

APEC 5560: Natural Resource and Environmental Economics, S18

APEC 6500: Resource Economics (Masters), S15, S16, S17, S18

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

APEC 7950: Graduate Seminar, F15, S16, F16, S17, F17, S18

Univ. of California, Santa Barbara:

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

PRESENTATIONS AND CONFERENCES

2018 North Carolina State University; Utah State University Civil and Environmental Engineering Spring Seminar; Pressing Issues in Public Land Management Workshop, Las Vegas, NV—Speaker;

2017 Allied Social Science Association (ASSA) Annual Meeting: Association of Environmental and Resource Economists (AERE) Session; University of Florida; North American Association of Fisheries Economists (NAAFE) Forum; “The Challenge of Balancing Competing Demands for Water,” Maui, HI—Keynote Speaker; University of Utah; AERE Summer Conference, Sponsored Session; Society for

- Institutional & Organizational Economics (SIOE) Annual Conference; University of Alaska, Fairbanks; Occasional Workshop in Environmental and Resource Economics; iUTAH All-Hands Meeting and Symposium; Native Waters on Arid Lands: Third Annual Tribal Summit
- 2016 University of Utah; Washington State University; Western Economics Association International (WEAI) Annual Meeting; USU Plant, Soils, and Climate Seminar
- 2015 SIOE Annual Conference; WEAI Annual Meeting; NAAFE 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 WEAI Annual Conference—Presenter, AERE 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

- 2018 Utah Agricultural Experiment Station Extension Water Initiative Grant. “Conserving Utah’s Water via Markets: Alternatives for Sustaining Agriculture, Urban Growth, and the Environment.” Co-PI, \$33,988, July 2018-December 2019.
- 2017 Utah Agricultural Experiment Station Extension Water Initiative Grant. “The Potential for Water Conservation through Rate Changes: Economic Analysis and Implementation.” Co-PI, \$19,451, July 2017-June 2018.
- 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: *Journal of Law and Economics*, *Journal of the Association of Environmental and Resource Economists*, *Journal of Environmental Economics and Management*, *American Journal of Agricultural Economics*, *Australian Journal of Agricultural and Resource Economics*, *Conservation Letters*, *Ecological Economics*, *Institutional Economics*, *Journal of Agricultural and Resource Economics*, *Public Choice*, *Strategic Behavior and the Environment*, *Sustainability*, *Water*, *Water Resources Research*, American Agricultural Economics Association Annual Meeting
- Discussant: WEAI Annual Conference: AERE Session (2016), ASSA Annual Meeting: Economic History Association Session (2016), WEAI Conference: AERE Session (2015), WEAI Conference: Water Economics and Institutions Session (2015), ASSA Annual Meeting: AERE Session (2015)
- Chair: WEAI Conference: AERE Session (2015), Occasional Workshop in Environmental and Resource Economics (2015); NAAFE Forum: “Distribution and ITQs”—session organizer (2017)

STUDENTS SUPERVISED

Advisor

Kyle Eager, MS Applied Economics 2017, USU
Muyang Ge, PhD Economics 2019, USU

Committee Member

Ryan Barnes, PhD Economics 2016, USU
Dong Hun Go, PhD Economics 2018, USU
Grant Patty, MS Economics 2018, USU
Leslie Sanchez, PhD Agriculture, Food and Environment 2020, Tufts University
Arpita Nehra, PhD Economics 2021, USU

Undergraduate Researchers

2016-17

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

2015-17

Coleman Gerdes, graduated 2017, BS Environmental and Natural Resource Economics
Michelle Jones, graduated 2017, BS Environmental and Natural Resource Economics
Amberlee Burrows, graduated 2017, BS 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 (*Analyst at Arizona Department of Water Resources*)
Patrick Adams, graduated 2016, BS Economics and Environmental Studies (*Analyst at Arizona Department of Environmental Quality*)
Philip Visser, graduated 2016, BS Environmental and Natural Resource Economics