

EDELLA C. SCHLAGER

Curriculum vitae

School of Government and Public Policy

339 Social Sciences

The University of Arizona

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EMPLOYMENT

2009 – present: Professor, School of Government and Public Policy, University of Arizona

1996-2008: Associate Professor, School of Public Administration and Policy and Political Science Department, University of Arizona.

1990-1996 Assistant Professor, School of Public Administration and Policy and Political Science Department, University of Arizona.

1986-1990 Research Associate, Workshop in Political Theory and Policy Analysis, Indiana University.

EDUCATION

1982 -- B.A. Political Science, *summa cum laude*, Creighton University

1990 -- Ph.D. Political Science, Department of Political Science, Indiana University

Title: “Model Specification and Policy Analysis: the Governance of Coastal Fisheries”

Advisor: Elinor Ostrom;

Major Fields: theory and methods; public policy

PUBLICATIONS

Scholarly Books and Monographs

Edella Schlager, Kirsten Engel, and Sally Rider, eds, 2011. *Navigating Climate Change Policy: The Opportunities of Federalism*. Tucson, AZ: University of Arizona Press.

Edella Schlager and William Blomquist. 2008. *Embracing Watershed Politics*. Boulder, CO: University Press of Colorado

William Blomquist, Edella Schlager, and Tanya Heikkila. 2004. *Common Waters, Diverging Streams: Linking Institutions and Water Management in Arizona, California, and Colorado*. Washington, D.C.: Resources for the Future.

Committee on Defining Best Scientific Information Available for Fisheries Management. 2004. Improving the Use of the “Best Scientific Information Available” Standard in Fisheries Management. Washington, D.C.: National Academy Press.

Committee to Review Individual Fishing Quotas. 1999. Sharing the Fish: Toward a National Policy on Individual Fishing Quotas. Washington, D.C.: National Academy Press.

Chapters in Scholarly Books

Weible, Christopher and Edella Schlager. Forthcoming. “Narrative Policy Framework: Contributions, Limitations, and Recommendations” (with Christopher Weible), in The Science of Stories: Applications of the Narrative Policy Framework in Public Policy Analysis, edited by Michael D. Jones, Elizabeth A. Shanahan, and Mark K. McBeth. New York, New York: Palgrave Macmillan.

Ostrom, Elinor, with Michael Cox and Edella Schlager. 2014. “The Institutional Analysis and Development Framework and an Introduction to the Social-Ecological System Framework” (with Elinor Ostrom and Michael Cox). In Theories of the Policy Process, 3d edition, edited by Christopher Weible. Boulder, CO: Westview Press.

Schlager, Edella. 2011. “Acting in Concert: Regional Efforts Among States to Address Climate Change”. In Navigating Climate Change Policy in a Federal System, edited by Edella Schlager, Kirsten Engel, and Sally Rider. Tucson, AZ: University of Arizona Press.

Schlager, Edella. 2008. “Constitutional Choice and Water Governance in the Western U.S.”. In The Practice of Constitutional Development: Vincent Ostrom's Quest to Understand Human Affairs, edited by Filippo Sabetti, Barbara Allen, and Mark Sproule-Jones. Lanham, MD: Lexington Books.

Schlager, Edella. 2007. “A Comparison of Frameworks, Theories, and Models of Policy Processes”. In Theories of the Policy Process, 2nd edition, edited by Paul Sabatier, Westview Press.

Schlager, Edella and Elena Lopez-Gunn. 2006. “Collective Systems for Water Management: is the Tragedy of the Commons A Myth?” In Water Crisis: Myth or Reality, edited by Peter Rogers, M. Ramon Llana, and Luis Martinez-Cortina. London: Taylor & Francis.

Schlager, Edella. 2006. “Community Management of Groundwater”. In The Agricultural Groundwater Revolution, edited by Mark Giordanno and Karen Villholth. Cambridge, MA: CABI Publishing.

Schlager, Edella. 2005. “Getting the Relationships Right in Water Property Rights”. In Water Rights Reform: Lessons for Institutional Design, edited by Brian Randolph Bruns,

Claudia Ringler, and Ruth Meinzen-Dick. Washington, DC: International Food Policy Research Institute.

Schlager, Edella. 2004. "Local Governance of Common Pool Resources". In *Environmental Governance Reconsidered: Challenges, Choices, and Opportunities*, edited by Robert Durant, Dan Fiorino and Rosemary O'Leary. MIT Press.

Schlager, Edella. 2004. "Property Rights, Water, and Conflict in the Western U.S.". In *The Changing Properties of Property*, edited by Franz Von Benda-Beckmann, Keebet Von Benda-Beckmann, and Melanie Wiber. Berghahn Books.

Deadman, Peter, and Edella Schlager. 2002. "Agent Based Simulations of Individual Action and Group Level Behavior in Common Pool Resource Institutions". In *Integrating GIS and Agent based modeling techniques for Understanding Social and Ecological Processes*, edited by H. R Gimblett. Oxford University Press.

Schlager, Edella and William Blomquist. 2001. "Water Rights and Self-Governing Institutional Arrangements in the Western U.S." In *Protecting the Commons: A Framework for Resource Management in the Americas*, edited by Joanna Burger, Elinor Ostrom, Richard Norgaard, David Policansky, and Bernard Goldstein. Washington, D.C.: Island Press.

Schlager, Edella. 2000. "Collective Cooperation in Common Pool Resources", in *Collective Helping in Modern Society: Dilemmas and Solutions*, edited by Mark VanVugt, Mark Snyder, and Tom Tyler. Routledge.

Schlager, Edella. 1999. "A Comparison of Frameworks, Theories and Models of the Policy Making Process". In *Theories of the Policy Making Process*, edited by Paul Sabatier. Boulder, CO: Westview Press, pp. 233-260.

Schlager, Edella and William Blomquist. 1998. "Heterogeneity and Common Pool Resource Management". In *Designing Institutions for Environmental and Resource Management*, edited by Edna Loehman and D. Marc Kilgour. Edward Elgar Publishing Limited.

Schlager, Edella and Elinor Ostrom. 1996. "The Formation of Property Rights", in *Rights to Nature*. Edited by Susan Hanna, Carl Folke, and Karl Goran Maler. Washington, D.C.: Island Press.

Schlager, Edella. 1994. "Coastal Fishery Dilemmas and Fishers' Institutional Responses", in *Rules and Games* by Elinor Ostrom, Roy Gardner, and James Walker. Ann Arbor: University of Michigan Press.

Schlager, Edella and Elinor Ostrom. 1992. "Property-Rights Regimes and Coastal Fisheries: An Empirical Analysis". In *The Political Economy of Customs and Culture: Informal Solutions to the Commons Problem*, edited by Randy Simmons and Terry Anderson, Rowman & Littlefield.

Refereed Journal Articles

Garrick, Dustin, Lucia De Stefano, Fai Fung, Jamie Pittock, Edella Schlager, Mark New, and Daniel Connell. 2013. "Managing Hydroclimatic Risks in Federal Rivers: A Diagnostic Assessment" *Philosophical Transactions of the Royal Society A* 371:20120415

Schlager, Edella, Tanya Heikkila, and Carl Case. 2012. "The Costs of Compliance with Interstate Agreements: Lessons From Water Compacts in the Western United States" *Publius: The Journal of Federalism* doi: 10.1093/publius/pjs017

Heikkila, Tanya and Edella Schlager. 2012. "'Addressing the Issues: The Choice of Environmental Conflict Resolution Venues in the United States" *American Journal of Political Science* 56(4):774-786

Schlager, Edella and Tanya Heikkila. 2011. "Left High and Dry? Climate Change, Common Pool Resource Theory, and the Adaptability of Western Water Compacts" *Public Administration Review*. 71(3):461-470

Heikkila, Tanya, Edella Schlager, and Mark Davis. 2011. "The Role of Cross-scale Institutional Linkages in Common Pool Resource Management: Assessing Interstate River Compacts" *Policy Studies Journal* 39(1):121-145

Schlager, Edella and Tanya Heikkila. 2009. "Resolving Water Conflicts: A Comparative Analysis of Interstate River Compacts" *Policy Studies Journal* 37(3):367-392.

Schlager, Edella. 2006. "Challenges of Governing Groundwater in U.S. Western States" *Hydrogeology* 14(3):350-360

Blomquist, William and Edella Schlager. 2005. "Political Pitfalls of Integrated Watershed Management" *Society and Natural Resources* 18(2):101-117.

Blomquist, William, Edella Schlager, and Tanya Heikkila. 2004. "Building the Agenda For Institutional Research in Water Resource Management" *Journal of the American Water Resources Association* 40(4):925-936.

Schlager, Edella. 2002. "Rationality, Cooperation, and Common Pool Resources" *American Behavioral Scientist* 45(5):801-819.

Blomquist, William, Tanya Heikkila, and Edella Schlager. 2001. "Institutions and Conjunctive Water Management Among Three Western States" *Natural Resources Journal* 41(3):653-683.

Sabatier, Paul, and Edella Schlager. 2000. "Cognitive Approaches to Public Policy: An American Perspective" *Revue Francaise de Science Politique, Symposium on Cognitive Approaches to Public Policy*.

Schlager, Edella and William Blomquist. 1996. "A Comparison of Three Emerging Theories of the Policy Process" *Political Research Quarterly* 49(3):651-672.

Schlager, Edella. 1995. "Policy Making and Collective Action: Defining Coalitions Within the Advocacy Coalition Framework" *Policy Sciences* 28:243-270.

Hackett, Steven, Edella Schlager, and James Walker. 1994. "The Role of Communication in Resolving Commons Dilemmas: Experimental Evidence with Heterogeneous Appropriators" *Journal of Environmental Economics and Management* 27:99-126.

Schlager, Edella, William Blomquist, and SY Tang. 1994. "Mobile Flows, Storage, and Self-Organizing Institutions for Governing Common Pool Resources" *Land Economics* 70(3):294-317.

Schlager, Edella and Elinor Ostrom. 1992. "Common Property and Natural Resources: A Conceptual Analysis" *Land Economics* 68(3):249-252.

Electronic Publication, peer reviewed

Peter Deadman, Edella Schlager, and Randy Gimblett. 2000. "Simulating Common Pool Resource Management Experiments with Adaptive Agents Employing Alternate Communication Routines" *Journal of Artificial Societies and Social Simulation* 3(2)
<http://www.soc.surrey.ac.uk/JASSS/3/2/2.html>

Book Reviews

Schlager, Edella (July 13) 2012. "An Uncommonly Open Approach. Review of *Infrastructure: The Social Value of Shared Resources* by Brett Frischmann. University of Oxford Press" *Science* 337:156

GRANTS

"Upper Rio Grande Basin Water Managers Use of Weather and Climate Forecasts", subaward from "Abrupt Climate Change in a Warming World" Columbia University; NOAA, 2009-2011, \$51,000

Boundary Conflicts, Collective Choice Institutions and Conflict Resolution Mechanisms" (Tanya Heikkila, co-PI), Political Science Program, National Science Foundation, 2005-2009, \$165,000.

"A Comparative Institutional Analysis of Conjunctive Management Practices among Three Southwestern States" (William Blomquist, co-PI); NSF/EPA Partnership for Environmental Research; 1996-2000, \$198,000.

AWARDS

Udall Center for the Study of Public Policy Fellowship, 1994, 2005
College of Business and Public Administration, Teacher of the Year Award, 1994

School of Public Administration and Policy, Outstanding Teacher, 1995
Kalt Prize, Outstanding Graduate Student Placement, 2002, 2007
John Schwarz Outstanding Faculty Award 2014

SELECTED SCHOLARLY PRESENTATIONS

“A Robust Federal River? Polycentric Governance and Transboundary Drought Management in the Rio Grande/Rio Bravo” (with Dustin Garrick and Sergio Villamayor-Tomas), Workshop on the Workshop 5, Bloomington, IN, June 18-20, 2014

“Examining rule complexity: Variation of deontics, rule types, and conditions in provisioning simple and complex public goods” (with Jeffrey Hanlon and Tomas Olivier), Workshop on the Workshop 5, Bloomington, IN, June 18-20, 2014

“Water Scarcity, Conflict Resolution, and Adaptive Governance in Federal Transboundary River Basins” Invited paper for the Workshop on Water Security and Federal Rivers, Oxford, England, April 15-16, 2012.

”Vulnerability of Water Supply Systems and Managers’ Use of Climate Data in the Upper Rio Grande Watershed” (with Carl Case and Tanya Heikkila). Western Political Science Meeting, Portland, OR, March 2012

“The Politics of Contested Water Rights among Individuals and States in the Western US” (with Tanya Heikkila and Carl Case). American Political Science Meeting, Seattle, WA, September 2011

“Comment on William Blomquist’s ‘A Political Analysis of Property Rights’” invited presentation at conference on Evolution of Property Rights Related to Land and Water, sponsored by the Lincoln Institute of Land Policy, Cambridge, MA, September 20-21, 2010

“The Role of Cross-scale Institutional Linkages in Common Pool Resource Management: Assessing Interstate River Compacts” (with Tanya Heikkila and Mark Davis), American Political Science Meeting, Washington, DC, September 2010

“The Role of Cross-scale Institutional Linkages in Common Pool Resource Management: Assessing Interstate River Compacts” (with Tanya Heikkila and Mark Davis) Institutional Analysis and Development Symposium, University of Colorado – Denver, School of Public Affairs, April 9-10, 2010

“Collaborative Watershed Governance: Institutions, Conflict, and Conflict Resolution” Water Seminar Series, hosted by Water Center and School of Natural Resources, University of Nebraska, Lincoln, March 10, 2010

“Collaborative Watershed Management: Institutions, Conflicts, and Scale” Collaborative Approaches to Natural Resources Management, Symposium hosted by Centre for Public Policy, University of Melbourne, Australia, November 26, 2009

“Transboundary River Governance in the Western US: The Role of Cross-Scale Linkages in Interstate Compact Compliance” prepared for the panel “New Challenges for the Management of Shared Water Resources”, Workshop on the Workshop 4, Indiana University, Bloomington, IN, June 3-6, 2009

“Roundtable: Next Generation Theories of the Public Policy Process”, American Political Science Meeting, August 29, 2008

“Hot and Bothered: Rule Compliance and Distributional Effects of Interstate River Compacts Under Changing Climates” (with Tanya Heikkila), prepared for panel on

“Science, Water, Space, NIMBY: Balancing Politics, Policy, and Federalism”, American Political Science Meeting, August 29, 2008

“Problem and Conflict Solving Capacities of Western Interstate River Compacts” (with Tanya Heikkila), prepared for presentation on the panel “The Politics of Water Supply “, the Western Political Science Meeting, San Diego, CA, March 20-21, 2008

“Institutional Change and Collective Learning” (with Xavier Basurto) Next Generation of Policy Theories Policy Shootout, Oklahoma University, Norman, Oklahoma, February 28-29, 2008

“Examining Institutional Change Among Nested Water Arrangements: Western U.S. Interstate River Compacts from 1930 to 2005” Workshop on Dynamics of Institutions in Water Resource Management, Center for Institutional Diversity and School of Human Evolution and Social Change, Arizona State University, Tempe, AZ January 9-11, 2008

“Collaborative Governance of Interstate River Basins in the Western U.S.” (with Tanya Heikkila), prepared for presentation at the Association for Public Policy Analysis and Management Annual Meeting, panel on “Partner Capacity for Collaborative Governance”, Washington, DC, November 8, 2007

“Boundary Conflicts, Collective Choice Institutions and Conflict Resolution Mechanisms” to Workshop in Political Theory and Policy Analysis, Indiana University, September 3, 2007

“Resolving Conflicts in Transboundary River Basins: The Importance of Conflict Types, Forums and Outcomes” prepared for panel on “Conflicts over Water and Resources”, American Political Science Meeting, September 2, 2007

“Strengthening Cross-State Linkages to Improve Watershed Governance: The Case of Western Interstate River Compacts” (with Tanya Heikkila) prepared for panel on

“Environmental Governance at Multiple Scales”, American Political Science Meeting, September 2, 2007

“Constitutional Choice and Water Governance in the Western U.S.” Prepared for “Vincent Ostrom: The Quest to Understand Human Affairs” Conference, Bloomington, IN, May 31 – June 3, 2006.

“The Challenges of Governing Groundwater: A Comparative Institutional Analysis of U.S. Western States” presented at the Midwest Political Science Association Meeting, Chicago, IL, April 8-10, 2005

International Water Management Institute’s Workshop “The Agricultural Groundwater Revolution”, Anand, India, February 21-23, 2005

“Collective Systems for Water Management: Is the Tragedy of the Commons A Myth?”, Conference on The Water Crisis: Myth or Reality, Marcelino Botin Foundation, Santander, Spain, June 12-14, 2004.

“Interstate River Compacts and Institutional Interplay: Self-Governance Among Water Users, States and Federal Agencies” (with Tanya Heikkila) Western Political Science Association Annual Meeting, Portland, Oregon, March 11-13, 2004.

“Cooperation and Opportunism Among Property Rights Holders” Conference on “Changing Properties of Property”, Max Planck Institute for Social Anthropology, Halle, Germany, July 2-4, 2003.

“Scientific Uncertainty and Policy Making: The Case of the Watershed” (with William Blomquist) Western Political Science Association, Denver, Colorado, March 27-29, 2003

“The Political Economy of Water Reform” Workshop on Water Rights, Hanoi, Vietnam, February 12-15, 2003. Sponsored by IFPRI, the World Bank, the Asian Development Bank.

“Watershed Management From the Ground Up” (with William Blomquist) Panel on Enhancing Self-Governing Capabilities, Public Choice Society Meeting, San Diego, CA March 22-24, 2002

“Commitment, Agency, and Reinventing Government” Reform in Public Services Panel, American Political Science Association Meeting, San Francisco, CA, August 30-September 2, 2001

“Property Rights and Rent Seeking Behavior: Collective Choice Dilemmas for Public Policy” (with Brinton Milward), New Explorations in the Relationship between Politics and Markets Panel, American Political Science Association Meeting, Washington, D.C., August 31-September 3, 2000

“Science and the Policy Sciences” The Development of the Discipline: Public Policy Analysis Panel, XVIIIth World Congress of the International Political Science Association, Quebec, August 1- August 5, 2000

“Local Communities, Policy Prescriptions, and Watershed Management in Arizona, California, and Colorado” Local Communities, Policy Prescriptions, and Watershed Management in the Western U.S. Panel, International Association for the Study of Common Property Meeting, Bloomington, IN June 1- June 6, 2000

“Covenant Institutions and the Commons: Colorado Water Resources Management” Covenants and Cooperation Panel, International Association for the Study of Common Property Meeting, Bloomington, IN June 1- June 6, 2000

“Political Pitfalls of Integrated Watershed Management” (with William Blomquist), Environmental Policy Panel, Western Political Science Association Meeting, San Jose, CA, March 23-26, 2000.

SERVICE/OUTREACH

Local

Member, Environmental Services Advisory Committee, City of Tucson, 2004 – 2009

Secretary, Board of Directors, Catholic Community Services of Southern Arizona, 2008 – 2012

Member, Board of Directors, Catholic Community Services of Southern Arizona, 2013 --

National

Member, Committee to Review Individual Fishing Quotas, National Research Council, 1997-1999

Member, Committee on Defining the Best Available Science in Fisheries Management, National Research Council, 2003-2004

Member, Science Advisory Committee, Minerals Management Service, U.S. Department of the Interior, 1999 -- 2005

Professional

Member, Editorial Board, PS, 1997--1999

Member, Executive Committee, Policy Studies Section, American Political Science Association, 2001-- 2003

Member, Editorial Board, Policy Studies Journal, 2004 -- present

Member, Editorial Board, Political Research Quarterly, 2006 -- 2014

Associate Editor, Society and Natural Resources, 2008 – 2014

Member, Editorial Board, American Journal of Political Science, 2010 – 2013

Co-editor (with Christopher Weible) Policy Studies Journal 2014 --