

EDELLA C. SCHLAGER  
Curriculum vitae  
School of Government and Public Policy  
317 Social Sciences  
The University of Arizona  
Tucson, Arizona 85721  
(520) 621-5840  
e-mail: Schlager@arizona.edu  
updated 8/7/23

## EMPLOYMENT

2019 – present: Director, School of Government and Public Policy, University of Arizona

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**

Schlager, Edella and Sergio Villamayor-Tomas. 2023. “The IAD Framework and its Tools for Policy and Institutional Analysis”. In Theories of the Policy Process, 5th edition, edited by Christopher Weible. Boulder, CO: Westview Press.

Schlager, Edella, Saba Sidikki, and Michael Cox. 2022. “Methods for Analyzing Social Dilemmas and Institutional Arrangements within the Institutional Analysis and Development Framework”. In Methods of the Policy Process. Edited by Christopher Weible and Samuel Workman. New York, NY: Routledge.

Olivier, Tomas, Tyler Scott, and Edella Schlager. 2020. “Institutional design and complexity: protocol network structure in response to different collective-action dilemmas.”. In Manuel Fisher and Karin Ingold (Eds.). Networks in Water Governance. Palgrave.

Tarko, Vlad and Edella Schlager. 2019. “The Faustian Bargain: Powersharing, Constitutions, and the Practice of Polycentricity”. In Governing Complexity: Analysing and Applying Polycentricity, edited by Andreas Thiel, William Blomquist, and Dustin Garrick. Cambridge: Cambridge University Press.

Heikkila, Tanya, and Edella Schlager. 2018. “Investigating Compliance at the Macro Level: The Case of US Interstate River Compacts”. In Contextualizing Compliance in the Public Sector: Individual Motivations, Social Processes, and Institutional Design, edited by Saba Siddiki and Salvador Espinosa. London: Taylor & Francis Group.

Sugg, Zachary and Edella Schlager. 2018. “Participation of stakeholders and citizens in groundwater management: the role of collective action”. In Advances in Groundwater Governance, edited by Karen G. Villholth, Elena López-Gunn, Kirstin I. Conti, Alberto Garrido and Jac van der Gun. London: Taylor & Francis Group.

Schlager, Edella and Michael Cox. 2017. “The IAD Framework and the SES Framework: An Introduction and Assessment of the Ostrom Workshop Frameworks” In Theories of the Policy Process, 4th edition, edited by Christopher Weible. Boulder, CO: Westview Press.

Schlager, Edella. 2016. “Climate Variability and Adaptive Capacities of Intergovernmental Arrangements: Encouraging Problem Solving and Managing Conflict”. In Western Water Policy and Planning in a Variable and Changing Climate, edited by Kathleen Miller, Alan Hamlet, Douglas Kenney and Kelly Redmond. Taylor & Francis.

Weible, Christopher and Edella Schlager. 2015. “Narrative Policy Framework: Contributions, Limitations, and Recommendations” 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.

Schlager, Edella. 2015. "Governing Boundaries: Exclusion, Essential Resources, and Sustainability". In Governing Access to Essential Resources, edited by Olivier De Schutter and Katharina Pistor. New York, NY: Columbia University Press.

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 and Tanya Heikkila. 2014. "Water Scarcity, Conflict Resolution, and Adaptive Governance in Federal Transboundary River Basins". In Federal Rivers: Managing Water in Multi-Layered Political Systems, edited by D. Garrick, G. Anderson, J. Pittock. Edward Elger 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 and Carl Bauer. 2011. "Governing Water: Institutions, Property Rights, and Sustainability". In Treatise on Water Science, Vol 1, edited by Peter Wilderer. Oxford: Academic Press, pp.23-33.

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 Llama, 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, Games and Common Pool Resources 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**

Pieper, Leah, Santiago Ruiz, Edella Schlager, and Charlie Schweik. 2023. "The Use of the Institutional

Grammar 1.0 for Policy Analysis: A Literature Review.” *International Journal of the Commons*, 17(1), pp. 256–270. DOI: <https://doi.org/10.5334/ijc.1214>

Herzog, Laura, Karin Ingold, and Edella Schlager. 2021. “Prescribed by law and therefore realized? Analyzing rules and their implied actor interactions as networks” *Policy Studies Journal* DOI: 10.1111/psj.12448

Olivier, Tomás and Edella Schlager. 2021. “Rules and the Ruled: Understanding Joint Patterns of Institutional Design and Behavior in Complex Governing Arrangements” *Policy Studies Journal* DOI: 10.1111/psj.12429

Schlager, Edella, Laura Bakkensen, Tomas Olivier, and Jeffery Hanlon. 2021. “Institutional design for a complex commons: variations in the design of credible commitments and the provision of public goods” *Public Administration* 99(2) DOI: 10.1111/padm.12715

Cox, Michael, Georgina Gurney, John Anderies, Eric Coleman, Emily Darling, Graham Epstein, Ulrich Frey, Matija Nenadovic, Edella Schlager, and Sergio Villamayor Tomas. 2021. “Lessons Learned From Synthetic Research Project Based on the Ostrom Workshop Frameworks for Environmental Science and Policy” *Ecology & Society* 26(1):17 <https://doi.org/10.5751/ES-12092-260117>

Zipper, Sam, Kaitlin Whitney, Jillian M. Deines, Kevin M. Befus, Udit Bhatia, Sam J. Albers, Janice Beecher, Christa Brelsford, Margaret Garcia, Tom Gleeson, Frances O'Donnell, David Resnik, and Edella Schlager. 2019. “Balancing Open Science and Data Privacy in the Water Sciences” *Water Resources Research*.

Hanlon, Jeffrey, Tomas Olivier, and Edella Schlager. 2019. “Suspicious Collaborators: How governments in polycentric systems monitor behavior and enforce public good provision rules against one another” *International Journal of the Commons* 13(2):977-992.

Garrick, Dustin, Edella Schlager, Lucia deStefano, and Sergio Villamayor Tomas. 2018. “Managing the Cascading Risks of Droughts: Institutional Adaptation in Transboundary Rivers” *Earth’s Future* 6(6):809-827.

Lien, Aaron, Ashley Loma, and Edella Schlager. 2018. “Using institutional grammar to improve understanding of the form and function of payment for ecosystem services programs” *Ecosystem Services*

Cosens, Barbara, Robin Craig, Shana Lee Hirsch, Tony Arnold, Melinda Benson, Daniel DeCaro, Ahjond Garmestani, Hanah Gosnell, JB Ruhl, and Edella Schlager. 2017. “The Role of Law in Adaptive Governance” *Ecology and Society* 22(1):30

Gunderson, Lance, Barbara Cosens, Brian Chaffin, Tony Arnold, Alexander Fremier, Ahjond Garmestani, Robin Craig, Hannah Gosnell, Hannah Birge, Craig Allen, Melinda Benson, Ryan Morrison, Mark Stone, Joseph Hamm, Kristine Nemec, Edella Schlager, and Dagmar Llewelyn. 2017. “Regime Shifts and Panarchies in Regional Scale Social-Ecological Systems” *Ecology and Society* 22(1):31

DeCaro, Daniel, Brian Chaffin, Edella Schlager, Ahjond Garmestani, JB Ruhl. 2017. “Legal and Institutional Foundations of Adaptive Environmental Governance” *Ecology and Society* 22(1):32

Craig, Robin Kundis, Ahjond Garmestani, Craig Allen, Tony Arnold, Hannah Birge, Daniel DeCaro, Alexander Fremier, Hannah Gosnell, and Edella Schlager. 2017. "Balancing Stability and Flexibility in Adaptive Governance: An Analysis of Tools Available in US Environmental Law" *Ecology and Society* 22(1):34

Anderies, John, Marco Janssen, and Edella Schlager. 2016. "Institutions and the Performance of Coupled Infrastructure Systems" *International Journal of the Commons* 10(2):495-516.

Garrick, Dustin, Edella Schlager, and Sergio Villamayor-Tomas. 2016. "Governing an International Transboundary River: Opportunism, Safeguards, and Drought Adaptation in the Rio Grande" *Publius* 46(2):170-198.

Suggs, Zachary, Sonia Ziaja, and Edella Schlager. 2016. "Conjunctive Groundwater Management as a Response to Social-ecological Disturbances: A comparison of four Western U.S. states" *Texas Water Journal* 7(1):1-24

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

### **Other Publications**

Erstad, Brian, Andrea Romero, Robert Miller, Carl Liaupsin, Ole J Thiehaus, Paul Wagner, Edella Schlager, and Gayle A. Brezeau. 2020. “Equity and Inclusion for Non-Tenure Track Faculty” American Journal of Pharmaceutical Education 84, 12 DOI: <https://doi.org/10.5688/ajpe8428>

Beland, Daniel and Edella Schlager. 2019. "Policy Feedback in Public Policy Research: Looking Backward, Moving Forward" *Policy Studies Journal*

Smith, Craig, Andrew Whitford, and Edella Schlager 2017. "Moving Beyond the Boundaries? Exploring Nexus Among Public Policy, Public Management, and Nonprofit and Voluntary Studies Fields" *Policy Studies Journal* 45(1):4-21

Schlager, Edella. 2016. "Introducing The Importance of Context, Scale, and Interdependencies in Understanding and Applying Ostrom's Design Principles for Successful Governance of the Commons" *International Journal of the Commons* 10(2):405-416.

Schlager, Edella and Christopher Weible. 2013. "New Theories of the Policy Process" *Policy Studies Journal* 41(3):389-396

#### GRANTS

"RCN -- Coordinating And Advancing Analytical Approaches For Policy Design" (PI- Saba Siddiki, Syracuse University; co-PIs: Seth Frey, UC-Davis, Doug Rice, UMass – Amherst; Charlie Schweik, UMass--Amherst), National Science Foundation, 2019-2022

"How Rules and Beliefs Jointly Shape Water Quality Governance" (co-PI: Karin Ingold, University of Bern) International Research and Program Development Grant, University of Arizona, 2019-2020, \$28,689

"Legal Design Principles of Government-Supported Adaptation: Designing Effective Decentralization Programs in River Basins and City Greenspaces" (co-PI: Daniel DeCaro), SESYNC, 2019-2020.

"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, School of Government & Public Policy, 2014

Elinor Ostrom Lifetime Achievement Award; Science, Technology, and Environmental Politics Section, American Political Science Association, 2022



## SELECTED SCHOLARLY PRESENTATIONS: 2010-2022

“Policy Change from Diverse Theoretical Perspectives” (with Tomas Olivier), Conference on Public Policy Research, January 2023, Denver, CO

“The Co-evolution of Rules and Actor Behavior in Water Governance” (with Tomas Olivier), American Political Science Association meeting, September 2022, Montreal, Canada.

“Comparing the institutional design of polycentric systems for protecting water quality: an application of the grammar of institutions to the Ruhr River and the New York City Watersheds” (with Tomas Olivier, Laura Herzog, and Karin Ingold), European Consortium on Political Research, general conference, August 2020, online.

“Can beliefs act as institutional filters? Analyzing Beliefs, Rules and Coordination in different Watershed Management Situations” (with Karin Ingold and Laura Herzog) Prepared for delivery for the panel “Theoretical and Methodological Innovations for Policy Process Frameworks” European Consortium on Political Research Wroclaw, Poland, September 4-7, 2019.

“State-Reinforced Self-Governance and Institutional Change: the Evolution of the New York City Watershed Governing Arrangement” Prepared for delivery for the panel “Explaining Institutional and Policy Change with New Tools and in New Fields of Application”, European Consortium on Political Research Wroclaw, Poland, September 4-7, 2019.

“Suspicious Collaborators: How governments in polycentric systems monitor behavior and enforce public good provision rules against one another” (with Jeffrey Hanlon and Tomas Olivier) Prepared for delivery for the panel “Pragmatics of the Grammar of Institutions” at the International Association for the Study of the Commons, 17<sup>th</sup> Global Conference, Lima, Peru, July 1-5, 2019.

“State-Reinforced Self-Governance and Institutional Change: The Evolution of the New York City Watersheds Governing Arrangement” Prepared for delivery for the panel “State-Reinforced Self-Governance: Outlining the Future of Self-Governance Research and Policy in Highly Regulated Polycentric Cities and Metropolitan Systems”, at the Workshop on the Ostrom Workshop (WOW6), Indiana University, Bloomington, IN, June 18-21, 2019.

“Crowding in Cooperative Behavior: Intergovernmental Agreements and the Provision of Regional Public Goods” Prepared for APPAM 39<sup>th</sup> Fall Conference, Chicago, Illinois, November 2-4, 2017

“Encouraging Cooperation and Managing Conflict in the Rio Grande/Bravo: The Effects of Venues for Finding Policy Solutions”, prepared for the panel “Using the Institutional Analysis and Development Framework to Examine Conflict and Cooperation in Transboundary CPRs” European Consortium on Political Research General Conference, Oslo, Norway, September 6-9, 2017

“Encouraging Cooperation and Managing Conflict in the Rio Grande/Bravo”, prepared for the panel “Understanding conflict and cooperation in federal rivers: bridging methods and scales in transboundary CPRs”. International Association for the Study of the Commons, XVI Bienial Conference, Utrecht, the Netherlands, July 10-14, 2017

“Institutional design for a complex commons: variations in the design of credible commitments and the provision of public goods” (with Laura Bakkensen, Tomas Olivier, and Jeffrey Hanlon), prepared for the Midwest Political Science Association, April 6-9, 2017, Chicago, Illinois

“Examining Rules and Behavior in a Complex Institutional Arrangement: The Case of the New York City Watersheds” (with Tomas Olivier), prepared for the Midwest Political Science Association, April 6-9, 2016, Chicago Illinois

“Analyzing the Grammars of the Rio Grande River Basin Treaties” (with Tomas Olivier), prepared for the International Association for the Study of the Commons, Edmonton, Canada, June 2015

“Examining the Designs of Monitoring and Enforcement Mechanisms in a Regional CPR Self-Governing Arrangement” (with Jeffrey Hanlon and Thomas Olivier), prepared for Institutions of Resource Management Panel, Midwest Political Science Association, April 16-19, 2015, Chicago, IL

“Institutional Design of Robust Intergovernmental Arrangements” Invited Presentation at Sustaining the Commons: Interplay between Theory and Practice, Center for Behavior, Institutions, and Environment, Arizona State University, March 19, 2015

“Explaining the Design of Complex Intergovernmental Agreement for Governing a Regional Common Pool Resource: An Application of the “Grammar of Institutions””, Invited Presentation, Department of Political Science, Texas A&M University, February 16, 2015

“Water Scarcity, Governance, and Adaptation Among Western Interstate River Compacts”, Invited Presentation, Department of Ecosystem Science and Management, Texas A&M University, February 17, 2015

“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

#### 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 -- 2018

##### *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 -- 2014

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 – 2016

Editor, Policy Studies Journal 2016 – 2019

Senior Research Fellow, Ostrom Workshop, Indiana University 2017- present

Member, Executive Committee, Science, Technology and Environmental Politics Section, American Political Science Association, 2020 – 2023

Member, Editorial Board, Journal of Policy Studies, 2021—present

Member, Editorial Board, Asia Pacific Journal of Public Administration, 2021-present

Member, Editorial Board, Journal of Policy Studies, 2022 --