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**EMPLOYMENT**

2019 – 2024: Director, School of Government and Public Policy, University of Arizona

2009-2014: Director, Graduate Studies, 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**

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

1982 – BA, Political Science, Department of Political Science, Creighton University

**PUBLICATIONS**

**Books and Monographs**

5. Edella Schlager, Kirsten Engel, and Sally Rider, eds, 2011. Navigating Climate Change Policy: The Opportunities of Federalism. Tucson, AZ: University of Arizona Press.
4. Edella Schlager and William Blomquist. 2008. Embracing Watershed Politics. Boulder, CO: University Press of Colorado.
3. 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.
2. 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.

1. 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

30. Siddiki, Saba and Edella Schlager. Forthcoming. "Applying the Institutional Grammar in the Study of Natural Resources Governance". In Researching Institutions in Natural Resources Governance, edited by Fiona Nunan. New York, NY: Routledge.
29. 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.
28. 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.
27. 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.
26. 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.
25. 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.
24. 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.
23. 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.
22. 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.

21. 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.
20. 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.
19. Ostrom, Elinor, with Michael Cox and Edella Schlager. 2014. "The Institutional Analysis and Development Framework and an Introduction to the Social-Ecological System Framework". In Theories of the Policy Process, 3d edition, edited by Christopher Weible. Boulder, CO: Westview Press.
18. 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.
17. 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.
16. 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.
15. 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.
14. 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.
13. 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.
12. Schlager, Edella. 2006. "Community Management of Groundwater". In The Agricultural Groundwater Revolution, edited by Mark Giordanno and Karen Villholth. Cambridge, MA: CABI Publishing.
11. 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.
10. 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.

9. 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.
8. 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.
7. 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.
6. 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.
5. 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.
4. 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.
3. 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.
2. 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**

33. 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>
32. 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

31. 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
30. 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
29. 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>
28. 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*.
27. 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.
26. 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.
25. 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*
24. 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
23. 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
22. 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
21. 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

20. 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.
19. 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.
18. 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
17. 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
16. 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
15. 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
14. 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
13. 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
12. Schlager, Edella and Tanya Heikkila. 2009. “Resolving Water Conflicts: A Comparative Analysis of Interstate River Compacts” *Policy Studies Journal* 37(3):367-392.
11. Schlager, Edella. 2006. “Challenges of Governing Groundwater in U.S. Western States” *Hydrogeology* 14(3):350-360
10. Blomquist, William and Edella Schlager. 2005. “Political Pitfalls of Integrated Watershed Management” *Society and Natural Resources* 18(2):101-117.
9. 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.
8. Schlager, Edella. 2002. “Rationality, Cooperation, and Common Pool Resources” *American*

Behavioral Scientist 45(5):801-819.

7. Blomquist, William, Tanya Heikkila, and Edella Schlager. 2001. "Institutions and Conjunctive Water Management Among Three Western States" *Natural Resources Journal* 41(3):653-683.
6. 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*.
5. Schlager, Edella and William Blomquist. 1996. "A Comparison of Three Emerging Theories of the Policy Process" *Political Research Quarterly* 49(3):651-672.
4. Schlager, Edella. 1995. "Policy Making and Collective Action: Defining Coalitions Within the Advocacy Coalition Framework" *Policy Sciences* 28:243-270.
3. 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.
2. 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.
1. Schlager, Edella and Elinor Ostrom. 1992. "Common Property and Natural Resources: A Conceptual Analysis" *Land Economics* 68(3):249-252.

#### **Electronic Publication, peer reviewed**

1. 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**

1. 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**

5. 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>
4. Beland, Daniel and Edella Schlager. 2019. "Policy Feedback in Public Policy Research: Looking Backward, Moving Forward" *Policy Studies Journal*
2. 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

2. 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.
1. 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.

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**

National Academy of Public Administration Fellow, 2023

Woman of Impact, University of Arizona, 2023

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

John Schwarz Outstanding Faculty Award, School of Government & Public Policy, 2014

Kalt Prize, Outstanding Graduate Student Placement, Eller College 2002, 2007



School of Public Administration and Policy, Outstanding Teacher, 1995

College of Business and Public Administration, Teacher of the Year Award, 1994

Udall Center for the Study of Public Policy Fellowship, 1994, 2005

### **SELECTED SCHOLARLY PRESENTATIONS (2014-2024)**

Categorizing and Exploring Constitutive Rules Using IG 2.0 and the Ostrom Rule Typology”, Workshop on the Workshop 7, Bloomington, IN, June 19-21, 2024

“Drivers of Policy Change and Their Effect on Policy Design in a Regional Governing Arrangement” (with Tomás Olivier), COPPR 2024, Syracuse, NY, May 15-17, 2024

“What Shapes Micro-Level Policy Change? Tracking and Analyzing the Complexity of Policy Changes over Time” (with Tomás Olivier), APPAM Fall Conference, Atlanta, Georgia, November 2023

“Micro-level Policy Change in an Intergovernmental Agreement” (with Tomás Olivier), APSA Annual Meeting, Los Angeles, CA, September 2023 (presented online)

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

Participant on “Managing Mergers and Collaborations with Political Science and Beyond” Panel, NASPAA Conference, Chicago, IL, October 2022

Participant on “Instructing Future Public Service Leaders in the Public Policy Process” Panel, NASPAA Conference, Chicago, IL, October 2022

“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 Biennial 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

## **SERVICE/OUTREACH**

### **National**

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

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

### **Professional**

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

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

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

Editor-in-Chief, Policy Studies Journal 2016 – 2019

Co-editor-in-chief (with Christopher Weible) Policy Studies Journal 2014 – 2016

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

Associate Editor, Society and Natural Resources, 2008 – 2014

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

Member, Editorial Board, Policy Studies Journal, 2004 – 2014, 2022--present

Member, Executive Committee, Policy Studies Section, APSA, 2001-- 2003