

**TANYA HEIKKILA, PHD**  
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**EDUCATION**

- 2001 Ph.D., Management, University of Arizona, School of Public Administration and Policy  
Dissertation: "Managing Common Pool Resources in a Public Service Industry: The Case of Conjunctive Water Management."
- 1998 M.P.A., University of Arizona, School of Public Administration and Policy
- 1992 B.A. International Studies and Spanish, University of Oregon, Clark Honors College

**ACADEMIC POSITIONS**

- 2022-Present University of Colorado Denver, Co-Director, Center for Policy and Democracy
- 2022-Present University of Colorado Denver, School of Public Affairs, MPP Program Interim Director
- 2016-Present University of Colorado Denver, School of Public Affairs, Professor
- 2017-Present University of Colorado Denver, PhD in Architecture and Planning, Affiliated Faculty
- 2017-2021 University of Colorado Denver, School of Public Affairs, Associate Dean of Faculty Affairs
- 2009-2016 University of Colorado Denver, School of Public Affairs, Associate Professor
- 2012-2015 University of Colorado Denver, School of Public Affairs Doctoral Program Director
- 2009-2012 Columbia University Earth Institute, Affiliated Associate Research Scientist
- 2002-2009 Columbia University, School of International and Public Affairs, Assistant Professor
- 2008-2009 Columbia University Earth Institute, Columbia Water Center, Associate Director
- 2001-2002 Indiana University, Workshop in Political Theory & Policy Analysis, Post-Doctoral Fellow
- 1997-2000 University of Arizona, School of Public Administration and Policy, Research Assistant
- 1997 University of Arizona, Udall Center for Studies in Public Policy, Research Assistant

**RESEARCH FUNDING AND GRANTS**

- 2021-2022 National Science Foundation. "Policy Innovation Labs." Sub-contract from Michigan Tech University (Adam Wellstead, lead PI). CU Denver PI **Tanya Heikkila**. *Award Total for CU Denver \$11,429.*
- 2019-2022 National Science Foundation. Research Coordination Network (RCN). "Coordinating and Advancing Analytical Approaches for Policy Design." Co-PIs: Saba Siddiki, Charlie

- Schweik, Edella Schlager, Doug Rice, Seth Frey; Senior Personnel: Brenda Bushouse, **Tanya Heikkila** and Christopher Weible. *Award Total \$461,854.*
- 2020-2021 Alfred P. Sloan Foundation. “Learning and Adapting from Crises in State Level Energy Sectors.” **Co-PIs: Tanya Heikkila**, Christopher M. Weible, and Amy Pickle. *Award Total \$49,955.*
- 2018-2021 Alfred P. Sloan Foundation. “Assessing the Range and Nature of Concord and Conflict in Energy Infrastructure Sitings.” **Co-PIs:** Chris Weible and **Tanya Heikkila**. *Award Total \$218,239.*
- 2017-2021 National Science Foundation. “Collaborative Research: A Comparative Diagnosis of Policy Conflicts: Examining Unconventional Oil and Gas Development Across the United States.” **Co-PIs: Tanya Heikkila** and Christopher Weible (CU Denver); Hongtao Yi and Ramiro Berardo (Ohio State University). *Award Total \$649,000 (\$319,467, CU Denver).*
- 2014-2017 National Science Foundation. “Social science contributions to the AirWaterGasSustainability Research Network” **Co-Investigators:** Chris Weible and **Tanya Heikkila**. *Award Total \$261,000.* (Sub-contract under AirWaterGas Sustainability Research Network. Principal Investigator: Joe Ryan.)
- 2014-2016 Alfred P. Sloan Foundation. “National-level Politics of Hydraulic Fracturing in the U.S.” **Principal Investigators: Tanya Heikkila** and Chris Weible. *Award Total \$107,000.*
- 2014-2015 Colorado Clinical and Translational Sciences Institute (CCTSI) CSU-CU Pilot Collaboration Award. “Changing industries, landscapes, and environments: Implications for the public’s health in Colorado” Principal Investigator Jill Litt; **Collaborators: Tanya Heikkila** and Chris Weible. *Award Total \$60,000.*
- 2013-2017 National Science Foundation. “PIRE: Developing Low-Carbon Cities in the USA, China & India through Inter-Disciplinary Integration across Engineering, Environmental Sciences, Social Sciences & Public Health” Principal Investigator: Anu Ramaswami; **Senior Personnel: Tanya Heikkila**. *Award Total \$4.7 million.*
- 2012-2014 Alfred P. Sloan Foundation. “The Politics of Shale Gas Development in the U.S.” Principal Investigators: **Tanya Heikkila** and Chris Weible. *Award Total \$325,000.*
- 2009-2012 National Science Foundation, Program on Coupled Natural and Human Systems. “Paleoclimate shocks: environmental variability, human vulnerability, and societal adaptation during the last millennium in the Greater Mekong Basin.” Principal Investigator: B. M. Buckley; **Co-PI: Tanya Heikkila**. *Award total \$1.4 million.*
- 2009-2010 NOAA. ARCHES, “Abrupt Climate Change Project”, under Columbia Earth Institute’s Lamont Doherty Earth Observatory. Principal Investigator. *Award Portion \$165,000.*
- 2008-2011 PepsiCo Foundation. “Improving rural water and livelihood outcomes through targeted solutions in India, China, Africa, and Brazil.” Principal Investigator: Upmanu Lall; **Co-PI: Tanya Heikkila**. *Award total \$6 million.*
- 2005-2009 National Science Foundation. “Boundary Conflicts, Collective Choice Institutions, and Conflict Resolution Mechanisms.” **Co-PIs: Tanya Heikkila** and Edella Schlager. *Award total \$274,000.*

- 2007-2008 Asian Development Bank. “Water Security in Asia: Strategic Investments and Directions for Risk Management and Development.” Lead Investigator: Upmanu Lall; Co-Investigator: **Tanya Heikkila**. *Award total \$180,000.*
- 2007-2008 Columbia University Earth Institute, ADVANCE Transition Support Award (National Science Foundation). Research on Large-Scale Collaborative Ecosystem Governance. Principal Investigator: **Tanya Heikkila**. *Award total \$10,500.*
- 2006-2007 Columbia University Earth Institute, Cross-Cutting Initiative Team Seed Grant. “Water, a 21st Century Sustainability Challenge: Catastrophe Under High Population Density And Extreme Climate?” Principal Investigator: Tobias Siegfried; Co-Investigator: **Tanya Heikkila**. *Award total: \$30,000.*
- 2004-2005 Alfred P. Sloan Foundation. “Special Districts, Performance Measurement, and Citizen Involvement: An Exploration of Communication and Knowledge.” Co-PIs: Kimberley Isett and **Tanya Heikkila**. *Award total \$45,000.*

## BOOKS

- 2019 Cairney, P., **T. Heikkila**, and M. Wood. *Making Policy in a Complex World*. Cambridge, UK: Cambridge University Press.
- 2018 Siddiki, S., S. Espinosa, and **T. Heikkila**, eds. *Contextualizing Compliance in the Public Sector: Individual Motivations, Social Processes, and Institutional Design*. New York: Routledge Publishing.
- 2016 C. M. Weible, **T. Heikkila**, K. Ingold, and M. Fischer eds. *Policy Debates on Hydraulic Fracturing: Comparing Coalition Politics in North America and Europe*. New York: Palgrave Macmillan.
- 2013 Cohen, S., W. Eimicke and **T. Heikkila**. *The Effective Public Manager*, Fifth Edition. San Francisco: Jossey Bass.
- 2008 Cohen, S., W. Eimicke and **T. Heikkila**. *The Effective Public Manager*, Fourth Edition. San Francisco: Jossey Bass.
- 2004 Blomquist, W, E. Schlager, and **T. Heikkila**. *Common Waters, Diverging Streams: Linking Institutions and Water Management in Arizona, California, and Colorado*. Washington, D.C.: Resources for the Future Press.

## PEER REVIEWED JOURNAL ARTICLES

Underline denotes student co-author at the time of publication

- 2022 J. You, **T. Heikkila**, C. M. Weible, S. Kim, K. Park, J. Yordy, S. L. Smolinski. “The distribution of conflict and attention across energy infrastructure.” *Public Administration*. Forthcoming
- 2022 Weible, C.M., K. Olofsson, and **T. Heikkila**. “Advocacy coalitions, beliefs, and learning: An analysis of stability, change, and reinforcement.” *Policy Studies Journal*. Early View: DOI: 10.1111/psj.12458
- 2022 **Heikkila, T.** and M. Jones. “The State of Diversity and Inclusiveness in Policy Process Theory.” *Policy & Politics*. 50 (1): 21-42.

- 2022 Chen, C., T. Heikkila, C. M. Weible, J. Yordy, H. Yi, R. Berardo, and J. Kagan. 2021. (In Press.) "Policy Composition and Adoption Duration: Capturing Conflict in the Legislative Process." *Policy Studies Journal* <https://doi.org/10.1111/psj.12457>
- 2022 H., C.M. Weible, C. Chen, F. Holm, J. Yordy, R. Berardo, **T. Heikkila**, and J. Kagan. "Measuring Policy Conflict and Concord." *Society & Natural Resources*. Early View <https://doi.org/10.1080/08941920.2022.2029994>
- 2021 You, J., C. M. Weible, & , **T. Heikkila**. Exploring instigator and defender policy scenarios in the siting of energy infrastructure. *Politics & Policy*. <https://doi.org/10.1111/polp.12442>
- 2021 You, J., Yordy, J., C. M. Weible, K. Park, K., **T. Heikkila**, & D. Gilchrist. Comparing policy conflict on electricity transmission line sitings. *Public Policy and Administration*. Advance online publication. <https://doi.org/10.1177/09520767211036800>
- 2021 **Heikkila, T.**, C. M. Weible, K. L. Olofsson, J. A. Kagan, J. You, J. Yordy. "The structure of environmental governance: How public policies connect and partition California's oil and gas policy landscape." *Journal of Environmental Management*, 284: 112069 [doi.org/10.1016/j.jenvman.2021.112069](https://doi.org/10.1016/j.jenvman.2021.112069).
- 2020 Weible, C.M. and **T. Heikkila**. "Connecting Cognitive and Behavioral Characteristics in Policy Conflicts." *International Review of Public Policy*. 2 (3): 1-20. <http://journals.openedition.org/irpp/1312>
- 2020 Berardo, R., F. Holm, C. Chen, **T. Heikkila**, J. Kagan, C.M. Weible, H. Yi, & J. Yordy. "Hydraulic Fracturing and Political Conflict: News Media Coverage of Topics and Themes Across 15 States." *Energy Research and Social Science*. 70: 101660-.
- 2020 You, J., J. Yordy, K. Park, **T. Heikkila**, and C. M. Weible. "Policy conflicts in the siting of natural gas pipelines." *Journal of Environmental Policy & Planning*, 22(4): 501-517.
- 2020 Weible, C. M., Yordy, J., **Heikkila, T.**, Yi, H., Berardo, R., Kagan, J., & Chen, C. "Portraying the Structure and Evolution of Polycentricity via Policymaking Venues." *International Journal of the Commons*, 14(1), pp. 680–691. DOI: <https://doi.org/10.5334/ijc.1021>
- 2020 Gerlak, A. K., **T. Heikkila**, and J. Newig. "Learning in environmental governance: opportunities for translating theory to practice," *Journal of Environmental Policy and Planning*, 22(5): 653-666.
- 2020 Weible, C.M., D. Nohrstedt, P. Cairney, D.P. Carter, D. A. Crow, A. P. Durnová, **T. Heikkila**, K. Ingold, A. McConnell, and D. Stone. "COVID-19 and the policy sciences: initial reactions and perspectives." *Policy Sciences*, pp.1-17.
- 2020 **Heikkila, T.**, C.M. Weible, and A.K. Gerlak. "When Does Science Persuade (or Not Persuade) in High Conflict Policy Contexts." *Public Administration*, 98: 535-550.
- 2019 Yordy, J., J. You, K. Park, C.M. Weible, and **T. Heikkila**. "Framing Contests and Policy Conflicts over Gas Pipelines." *Review of Policy Research*, 36(6): 736-756.
- 2019 Siddiki, S., **T. Heikkila**, C.M. Weible, R. Pacheco-Vega, D. Carter, C. Curley, A. Deslatte, and A. Bennett. "Institutional Analysis with the Institutional Grammar." *Policy Studies Journal*. (Early View <https://doi.org/10.1111/psj.12361>)
- 2019 Gerlak, A., **T. Heikkila**, S. Smolinski, D. Armitage, D. Huitema, and B. Moore. "It's Time to Learn About Learning: Where Should the Environmental and Natural Resource Governance Field Go Next?" *Society and Natural Resources*. 32(9): 1056-1064.

- 2019 **Heikkila, T.**, R. Berardo, C.M. Weible, and H. Yi. "A Comparative View of Advocacy Coalitions: Exploring Shale Development Politics in the United States, Argentina, and China." *Journal of Comparative Policy Analysis*. 21(2): 151-166.
- 2019 **Heikkila, T.**, and A. Gerlak. "Working on Learning: How the Institutional Rules of Environmental Governance Matter." *Journal of Environmental Planning and Management*. 62(1): 106-123.
- 2018 Olofsson, K. L., J. Katz, D. P. Costie, **T. Heikkila**, and C. M. Weible. "A Dominant Coalition and Policy Change: An Analysis of Shale Oil and Gas Politics in India." *Journal of Environmental Policy & Planning*. 20(5): 645-660.
- 2018 Carter, D., **T. Heikkila**, and C. Weible. "How Participant Values Influence Reasons for Pursuing Voluntary Programme Membership." *Public Administration*. 96(4): 787-802.
- 2018 Lanier, A.L., J. R. Drabik, **T. Heikkila**, J. Bolson, M.C. Sukop, D.W. Watkins, J. Rhage, A. Mirchi, V. Engel, and D. Letson. "Facilitating Integration in Interdisciplinary Research: Lessons from a South Florida Water, Sustainability, and Climate Project." *Environmental Management*. 62(6): 1025-1037.
- 2018 **Heikkila, T.**, and C.M. Weible. "A Semi-Automated Approach to Analyzing Polycentricity." *Environmental Policy and Governance*. 28(4): 308-318.
- 2018 **Heikkila, T.**, and K. Andersson. "Policy Design and the Added Value of the Institutional Analysis and Development framework." *Policy and Politics*. 46(2): 309-324.
- 2018 Weible, C.M., **T. Heikkila**, and J. Pierce. "Understanding Rationales for Collaboration in High-intensity Policy Conflicts." *Journal of Public Policy*. 38(1): 1-25.
- 2018 Olofsson, K., C. M. Weible, **T. Heikkila**, and J.C. Martel. "Using Nonprofit Narratives and News Media Framing to Depict Air Pollution in Delhi, India." *Environmental Communication*. 12(7): 956-972.
- 2018 Gerlak, A.K., **T. Heikkila**, S. Smolinski, D. Huitema, and D. Armitage. "Learning our way out of environmental policy problems: A Review of the Scholarship." *Policy Sciences*. 51(3): 335-371.
- 2017 **Heikkila, T.**, and C.M. Weible. "Unpacking the Intensity of Policy Conflict: A Study of Colorado's Oil and Gas Subsystem." *Policy Sciences*. 50(2): 179-193.
- 2017 Weible, C.M., and **T. Heikkila**. "Policy Conflict Framework." *Policy Sciences*. 50(1): 23-40.
- 2017 **Heikkila, T.**, C.M. Weible, and K. Olofsson. "Lessons from State-Level and National-Level Policy Conflicts over U.S. Shale Development." *Environment: Science and Policy for Sustainable Development*. 59(3): 4-13.
- 2017 **Heikkila, T.** "Evidence for Tackling the Complexities of Water Governance." *Public Administration Review*. 77(1): 7-20.
- 2017 Weible, C. M., **T. Heikkila**, and D. P. Carter. "An Institutional and Opinion Analysis of Colorado's Hydraulic Fracturing Disclosure Policy." *Journal of Environmental Policy & Planning*. 19(2): 115-134.
- 2016 Blair, B., **T. Heikkila**, and C. Weible. "National Media Coverage of Hydraulic Fracturing in the United States: Evaluation using Human and Automated Coding Techniques." *Risks, Hazards, Crisis & Public Policy*. 7(3): 114-128.

- 2016 Blair, B., C. Weible, **T. Heikkila**, and D. Evensen. "Comparing Human and Automated Coding of News Articles on Hydraulic Fracturing in New York and Pennsylvania." *Society & Natural Resources*. Research Note. 29(7): 880-884.
- 2016 Weible, C. M., and **T. Heikkila**. "Comparing the Politics of Hydraulic Fracturing in New York, Colorado, and Texas." *Review of Policy Research*. 33(3): 232-250.
- 2016 Weible, C. M., K. Olofsson, D. Costie, J. Katz, and **T. Heikkila**. "Enhancing Precision and Clarity in the Study of Policy Narratives: An Analysis of Climate and Air Issues in Delhi, India." *Review of Policy Research*. 33(4): 420-441.
- 2016 Feiock, R., C. Weible, D. Carter, C. Curley, A. Deslatte, and **T. Heikkila**. "Capturing Structural and Functional Diversity through Institutional Analysis: The Mayor Position in City Charters." *Urban Affairs Review*. 52(1): 129-150.
- 2016 **Heikkila, T.**, and A. Gerlak. "Investigating Collaborative Processes over Time: A 10-Year Study of the South Florida Ecosystem Restoration Task Force." *The American Review of Public Administration*. 46 (2): 180-200. (Findings from this paper were reported in a blog by the Intersector Project: <http://intersector.com/research-to-practice-ten-years-of-lessons-from-collaborative-management-in-the-everglades/>)
- 2015 Blair, B., C. Weible, **T. Heikkila**, and L. McCormack. "Certainty and Uncertainty in Framing the Risks and Benefits of Hydraulic Fracturing in the Colorado News Media." *Risks, Hazards, Crisis & Public Policy*. 6(3): 290-307.
- 2014 Berardo, R., **T. Heikkila**, and A. Gerlak. "Interorganizational Engagement in Collaborative Environmental Management: Evidence from the South Florida Ecosystems Restoration Task Force." *Journal of Public Administration Research and Theory*. 24(3): 697-719.
- 2014 Gallaher, S., and **T. Heikkila**. "Challenges and Opportunities for Collecting and Sharing Data on Water Governance Institutions." *Journal of Contemporary Water Research and Education*. 153(1): 66-78.
- 2014 **Heikkila, T.** J. Pierce, S. Gallaher, J. Kagan, D. A. Crow, and C. M. Weible. "Understanding a Period of Policy Change: The Case of Hydraulic Fracturing Disclosure Policy in Colorado." *Review of Policy Research*. 31(2): 65-87.
- 2013 **Heikkila, T.**, A. Gerlak, A. Bell, and S. Schmeier. "Adaptation in a Transboundary River Basin: Linking Stressors and Adaptive Capacity within the Mekong River Commission." *Environmental Science and Policy*. 25: 73-82.
- 2013 **Heikkila, T.**, and A. Gerlak. "Building a Conceptual Approach to Collective Learning: Lessons for Public Policy Scholars." *Policy Studies Journal*. 41(3): 484-512.
- 2013 Eneas da Silva, O. F., **T. Heikkila**, A. de Souza e Filho, and D. Costa. "Developing Sustainable and Replicable Water Supply Systems in Rural Communities in Brazil." *International Journal of Water Resources Development*. 29(4): 622-635.
- 2013 Gallaher, S., **T. Heikkila**, W. Patterson, V. Frank, and C. Weible. "Adapting Water Policy Tools to New Issues: Lessons from Colorado's Experience over Time." *Water Policy*. 15(1): 43-60.
- 2012 Schlager, E., **T. Heikkila**, and C. Case. "The Costs of Compliance with Interstate Agreements: Lessons from Water Compacts in the Western United States." *Publius: The Journal of Federalism*. 42(3): 494-515. (Article selected for reprinting in a special online issue of *Publius* in 2015).

- 2012 Ramaswami, A., C. M. Weible, D. Main, **T. Heikkila**, S. Siddiki, A. Duvall, and M. Bernard. "A Social-Ecological Infrastructural Systems Framework for Interdisciplinary Study of Sustainable City Systems: An Integrative Curriculum across Seven Major Disciplines." *Journal of Industrial Ecology*. 16(6): 801-813.
- 2012 **Heikkila, T.**, and E. Schlager. "Addressing the Issues: The Choice of Environmental Conflict-resolution Venues in the United States." *American Journal of Political Science*. 56 (4): 774-786.
- 2012 Weible, C., **T. Heikkila**, P. de Leon, and P. Sabatier. "Understanding and Influencing the Policy Process." *Policy Sciences*. 45: 1-21.
- 2012 McNeeley, S. M., S. A. Tessoroff, H. Lazrus, **T. Heikkila**, I. M. Ferguson, J. S. Arrigo, S. Z. Attari, C. M. Cianfrani, L. Dilling, J. J. Gurdak, S. K. Kampf, D. Kauneckis, C. J. Kirchhoff, J. Lee, B. R. Lintner, K. M. Mahoney, S. Opitz-Stapleton, P. Ray, A. B. South, A. P. Stubblefield, and J. Brugger. "Catalyzing Frontiers in Water-Climate-Society Research: A View from Early Career Scientists and Junior Faculty." *Bulletin of the American Meteorological Society*. April: 477-484.
- 2011 Fitzpatrick, J., M. Goggin, **T. Heikkila**, D. Klingner, J. Machado, and C. Martell. "A New Look at Comparative Public Administration: Trends in Research and an Agenda for the Future." *Public Administration Review*. 71(6): 821-830.
- 2011 Gerlak, A., and **T. Heikkila**. "Building a Theory of Learning in Collaborative Institutions: Evidence from the Everglades Restoration Program." *Journal of Public Administration Research and Theory*. 21(4): 619-644.
- 2011 Schlager, E., and **T. Heikkila**. "Left High and Dry? Climate Change, Common-Pool Resource Theory, and the Adaptability of Western Water Compacts." *Public Administration Review*. 71(3): 461-470.
- 2011 **Heikkila, T.**, E. Schlager, and M.W. Davis. "The Role of Cross-Scale Institutional Linkages in Common Pool Resource Management: Assessing Interstate River Compacts." *Policy Studies Journal*. 39(1): 121-145.
- 2010 Fischhendler, I., and **T. Heikkila**. "Does Integrated Water Resources Management Support Institutional Change? The Case of Water Policy Reform in Israel." *Ecology and Society*. 15(1): 4.
- 2009 Schlager, E., and **T. Heikkila**. "Resolving Water Conflicts: A Comparative Analysis of Interstate River Compacts." *Policy Studies Journal*. 37(3): 367-392.
- 2008 Lall, U. **T. Heikkila**, C. Brown and T. Siegfried. "Water in the 21st Century: Defining the Elements of Global Crises and Potential Solutions." *Journal of International Affairs*. 61(2): 1-17.
- 2007 **Heikkila, T.**, and K. R. Isett. "Citizen Involvement and Performance Management in Special-Purpose Governments." *Administration Review*. 67(2): 237-247.
- 2007 Gerlak, A. K., and **T. Heikkila**. "Collaboration and Institutional Endurance in U.S. Water Policy." *PS: Political Science and Politics*. (January) 55-60.
- 2006 Gerlak, A.K., and **T. Heikkila**. "Comparing Collaborative Mechanisms in Large-Scale Ecosystem Governance." *Natural Resources Journal*. 46.
- 2005 **Heikkila, T.**, and A. K. Gerlak. "The Formation of Large-scale Collaborative Resource Management Institutions: Clarifying the Roles of Stakeholders, Science, and Institutions." *Policy Studies Journal*. 33(4): 583-612.

- 2004 Blomquist, W., **T. Heikkila**, and E. Schlager. "Building the Agenda for Institutional Research in Water Resource Management." *Journal of the American Water Resources Association* (August): 925-936.
- 2004 **Heikkila, T.**, and K. R. Isett. "Modeling Operational Decision-Making in Public Organizations: An Integration of Two Institutional Theories." *American Review of Public Administration*. 34(1):3-19. (Awarded "best article of the year" for the journal.)
- 2004 **Heikkila, T.** "Institutional Boundaries and Common-Pool Resource Management: A Comparative Analysis of Water Management Programs in California." *Journal of Policy Analysis and Management*. 23(1): 97-117.
- 2003 **Heikkila, T.** "Coordination in the Management of Water Resources: Understanding the Role of Property Rights Institutions." *Water Policy*. 5(4): 331-348.
- 2003 Williams, B. L., H. K. Suen, S. E. Raza, **T. Heikkila**, and M. Pennock-Roman. "Diffusion of US Army Chemical Weapons Disposal Technologies: Public Perception of Technology Attributes." *Journal of Environmental Planning and Management*. 46(4): 499-522.
- 2001 Blomquist, W., **T. Heikkila**, and E. Schlager. "Institutions and Conjunctive Water Management among Three Western States." *Natural Resources Journal*. 43(1): 653-683.

#### EDITED SPECIAL ISSUES OF JOURNALS

- 2019 Gerlak, A., and **T. Heikkila**. "Tackling Key Challenges around Learning in Environmental Governance." (Introduction to the Special Issue on Learning and Environmental Governance.) *Journal of Environmental Planning and Policy*. 21(3):205-212.
- 2018 **Heikkila, T.**, S. Villamayor-Tomas, and D. Garrick. "Bringing Polycentric Systems into Focus for Environmental Governance." (Introduction to the Special Issue on Polycentric Governance.) *Environmental Policy and Governance*. 28(4): 207-211.

#### BOOK CHAPTERS AND ENCYCLOPEDIA CHAPTERS

Underline denotes student co-author

- 2022 **Heikkila, T.** and A. Gerlak. "Learning" in *Handbook on Theories of Governance*, 2<sup>nd</sup> Edition. Christopher Ansell and Jacob Torfing, eds. Cheltenham, UK: Edward Elgar. pp. 244-253.
- 2022 Wellstead, A. **T. Heikkila**, and M. Wood. "Fourth Industrial Revolution and Algorithms: New Challenges for Policy Design." Chapter 11 in *Handbook of Research on Policy Design*. Cheltenham, UK: Edward Elgar, pp. 194-211.
- 2019 **Heikkila, T.** "Conflict and Conflict Resolution in Polycentric Governance Systems." Chapter 6 in *Governing Complexity: Analyzing and Applying Polycentricity*, Thiel, A., W. Blomquist, and D. Garrick eds., Cambridge: Cambridge University Press, pp. 133-151.
- 2019 Koontz, T., **T. Heikkila**, D. Garrick, and S. Villamayor-Tomas. "Assessing Performance of Polycentric Governance Systems Interactions." Chapter 8 in *Governing Complexity: Analyzing and Applying Polycentricity*, Thiel, A., W. Blomquist, and D. Garrick eds., Cambridge: Cambridge University Press, pp. 173-194.



- 2018 Siddiki, S., **T. Heikkila**, and S. Espinosa. "Building a Framework for Contextualizing Compliance." Chpt. 1 in *Contextualizing Compliance in the Public Sector, Individual Motivations, Social Processes, and Institutional Design*. Siddiki, S., S. Espinosa, and T. Heikkila, eds. New York: Routledge Publishing, pp. 1-21.
- 2018 **T. Heikkila** and E. Schlager. "Investigating Compliance at the Macro Level: The Case of U.S. Interstate River Compacts." Chpt. 6 in *Contextualizing Compliance in the Public Sector, Individual Motivations, Social Processes, and Institutional Design*. Siddiki, S., S. Espinosa, and T. Heikkila, eds. New York: Routledge Publishing, pp. 91-107.
- 2018 **T. Heikkila**, S. Espinosa, and S. Siddiki. "Conclusion." Chpt. 9 in *Contextualizing Compliance in the Public Sector, Individual Motivations, Social Processes, and Institutional Design*. Siddiki, S., S. Espinosa, and T. Heikkila, eds. New York: Routledge Publishing, pp. 148-155.
- 2017 **Heikkila, T.** and P. Cairney. "Comparison of Theories of the Policy Process." Chapter 8 in *Theories of the Policy Process*, Fourth Edition. Christopher M. Weible and Paul A. Sabatier, eds., New York, NY: Westview Press, pp. 301-328.
- 2017 Weible, C. and **T. Heikkila**. "The Entanglement of Expertise with Values and Group Affiliation in Understanding Positions on Hydraulic Fracturing." In Weber, E. P., Lach, D., & Steel, B. S., eds. *New Strategies for Wicked Problems: Science and Solutions in the 21st Century*. Corvallis, OR: Oregon State University Press.
- 2016 **Heikkila, T.** and A. Gerlak. "Learning and Governance" in *Handbook on Theories of Governance*, Christopher Ansell and Jacob Torfing, eds. Cheltenham, UK: Edward Elgar. pp. 236-244.
- 2016 **Heikkila, T.**, and C. Weible. "Contours of Coalition Politics in the United States." In Christopher M. Weible, Tanya Heikkila, Karin Ingold, and Manuel Fischer eds. *Policy Debates on Hydraulic Fracturing: Comparing Coalition Politics in North America and Europe*. New York: Palgrave Macmillan, pp. 29-52.
- 2016 Weible, C., **T. Heikkila**, K. Ingold, and M. Fischer. "Introduction." In Christopher M. Weible, Tanya Heikkila, Karin Ingold, and Manuel Fischer eds. *Policy Debates on Hydraulic Fracturing: Comparing Coalition Politics in North America and Europe*. New York: Palgrave Macmillan, pp. 1-27.
- 2016 Ingold, K., M. Fischer, **T. Heikkila**, and C. Weible. "Assessments and Aspirations." In Christopher M. Weible, Tanya Heikkila, Karin Ingold, and Manuel Fischer eds. *Policy Debates on Hydraulic Fracturing: Comparing Coalition Politics in North America and Europe*. New York: Palgrave Macmillan, pp. 239-264.
- 2015 Weible, C., **T. Heikkila** and J. Pierce. "The Role of Ideas in Evaluating and Addressing Hydraulic Fracturing Regulations." In *Policy Paradigms in Theory and Practice: Discourses, Ideas, and Anomalies in Public Policy Dynamics*, John Hogan and Michael Howlett eds., New York: Palgrave, pp. 217-237.
- 2015 **Heikkila, T.**, and D. Carter. "Common Pool Resources." In *Oxford Bibliographies in Environmental Science*. Ed. Ellen Wohl. New York: Oxford University Press. Published online at: <http://www.oxfordbibliographies.com/view/document/obo-9780199363445/obo-9780199363445-0011.xml> (Revised and updated October 2017).
- 2015 **T. Heikkila** and A. Gerlak. "Case Illustration: The Everglades Restoration Task Force." In *Collaborative Governance Regimes*, Kirk Emerson and Tina Nabatchi, eds. Washington, DC: Georgetown University Press, pp. 73-80.

- 2014 Pierce, J., C. Weible and **T. Heikkila**. "Hydraulic Fracturing" in *Science and Politics: An A-to-Z Guide to Issues and Controversies*, Brent S. Steel, ed., CQ Press, pp. 294-299.
- 2014 **Heikkila, T.**, C. Weible and J. Pierce. "Exploring the Policy Narratives and Politics of Hydraulic Fracturing in New York." Chapter 9 in *The Science of Stories: Applications of the Narrative Policy Framework*, Mark McBeth, Michael Jones, Elizabeth Shanahan, eds. New York: Palgrave, pp. 185-206.
- 2014 Cairney, P. and **T. Heikkila**. "A comparison of theories of the policy process." Chapter 10 in *Theories of the Policy Process*, Third Edition. Paul A. Sabatier and Christopher M. Weible, eds., Boulder, CO: Westview Press, pp. 363-389.
- 2014 Schlager, E. and **T. Heikkila**. "Water Scarcity, Conflict Resolution, and Adaptive Governance in Federal Transboundary Rivers." In *Managing Water in Multi-layered Political Systems*. Dustin E. Garrick, George R.M. Anderson, Daniel Connell, and Jamie Pittock, eds. IWA Press.
- 2013 Lubell, M., A. Gerlak, and **T. Heikkila**. "Calfed and Collaborative Watershed Management: Success Despite Failure?" in *Making Space for the River*. Jeroen Frank Warner, Arwin van Buuren and Jurian Edelenbos, eds. IWA Press., pp.63-75.
- 2012 **Heikkila, T.** and A. Gerlak. "Institutional Adaptation and Change in Collaborative Watershed Management: An Examination of the Northwest Power and Conservation Council's Fish and Wildlife Program." In *Transboundary River Governance in the Face of Uncertainty: The Columbia River*. Barbara Cosens, ed. Oregon State University Press.
- 2012 Gerlak, A. **T. Heikkila** and M. Lubell. "The Promise and Performance of Collaborative Governance." Chapter 19 in the *Oxford Handbook of U.S. Environmental Policy* Sheldon Kamieniecki and Michael E. Kraft, Editors, Oxford University Press., pp. 413-434.
- 2012 Schlager, E. and **T. Heikkila**. "Left High and Dry?: Climate Change, Common Pool Resource Theory and the Adaptability of Western Water Compacts." Chapter 12 in: *Debating Public Administration: Challenges, Choices and Opportunities*. Robert Durant, ed., CRC Press. (Condensed and reprinted version of Heikkila and Schlager 2011 *Public Administration Review* article.)
- 2007 **Heikkila, T.** "The Contribution of Public Choice Analysis to Decision Making Theories in Public Administration" in *The Handbook of Decision Making*, Goktug Morcol ed. New York: Taylor and Francis, pp. 21-38.
- 2007 **Heikkila, T.** and K.R. Isett. "Developing a Model of Institutional Choice: The Advantages of a Cross-Disciplinary Approach." In *Institutionalism* (Peters and Pierre eds.). San Francisco: Sage.

## BOOK REVIEWS

- 2017 **Heikkila, T.** Review of *Water Policy Reform in Southern Alberta: An Advocacy coalition Approach*. Timothy Heinmiller. In *Review of Policy Research*. 34(5): 725-726.
- 2015 **Heikkila, T.** Review of *The Politics of River Basin Organisations: Coalitions, Institutional Design Choices and Consequences*. Edited by Dave Huitema and Sander Meijerink. In *Water Economics and Policy*. 1(3): 1580002.

- 2010 **Heikkila, T.** "Fishing for an Adaptive Framework." Review of *Adaptive Governance: The Dynamics of Atlantic Fisheries Management*. D.G. Webster. In *Public Administration Review* 70(6): 950-952.
- 2005 **Heikkila, T.** Review of *In Search of Sustainable Water Management: International Lessons for the American West and Beyond*. Edited by D. S. Kenney. In *Journal of the American Water Resources Association*, December.
- 2002 **Heikkila, T.** Review of *Changing the Atmosphere: Expert Knowledge and Environmental Governance*. Edited by C. A. Miller and P. N. Edwards. In *Journal of Politics*, August.

## PRACTITIONER REPORTS AND MEDIA PUBLICATIONS

Underline denotes student co-author

- 2022 Lubell, M., T. Pozzi, **T. Heikkila**, and A. Gerlak. 2022. "Governing the Delta Science Enterprise: Results from a Stakeholder Survey." *Center for Environmental Policy and Behavior, UC Davis*.
- 2022 Heikkila, T. and M. Jones. "[How Diverse and Inclusive are Policy Process Theories?](#)" *Policy and Politics* Journal Blog Post. January 26<sup>th</sup>.
- 2021 Kagan, J.A., R. Berardo, **T. Heikkila**, C. Weible, H. Yi, J. Yordy, and C. Chen. "Perceptions of Oil and Gas Development Policies and Politics in the U.S.: 2020 Survey Report." Report available at <https://shalepolicyconflict.org> .
- 2021 Heikkila, T, A. Osei-Kojo, A. Pickle, and C. Weible. "[Research Report: Perceptions of Responses to the COVID-19 Pandemic and Energy Production in Colorado, New Mexico, and Texas.](#)" School of Public Affairs at University of Colorado Denver and Nicholas Institute for Environmental Policy Solutions at Duke University.
- 2021 You, J., **T. Heikkila**, C.M. Weible, K. Park, S. Smolinski, and J. Yordy. "Policy Conflict in Energy Infrastructure Siting in the U.S." Denver, CO, School of Public Affairs. <http://digital.auraria.edu/IR00000293/00001>
- 2020 Lubell, M. and **T. Heikkila**. "[Summary Report: Delta Science Enterprise Workshop.](#)" Joint Report Published by: Center for Environmental Policy and Behavior, UC Davis and Workshop on Policy Process Research, CU Denver, March 5<sup>th</sup>.
- 2017 **Heikkila, T.** and K. Andersson. "[How to Navigate Complex Policy Designs.](#)" Guest Bog Post for Paul Cairney: Politics & Public Policy. August 18<sup>th</sup>.
- 2017 Olofsson, K., **T. Heikkila** and C. M. Weible. "A Summary Report of a 2017 Survey of the Politics of Oil and Gas Development using Hydraulic Fracturing in Colorado." Published July 26, 2017 by the School of Public Affairs University of Colorado Denver.
- 2016 Olofsson, K., **T. Heikkila** and C. M. Weible. "A Summary Report of a 2016 Survey of the Politics of Oil and Gas Development using Hydraulic Fracturing in the United States." Published November 30, 2106 by the School of Public Affairs University of Colorado Denver.
- 2015 **Heikkila, T.** and C. Weible. "A Summary Report of a 2015 Survey of the Politics of Oil and Gas Development that Uses Hydraulic Fracturing in Colorado." Published July 24, 2015 by the School of Public Affairs University of Colorado Denver.
- 2015 **Heikkila, T.** and C. Weible. "New York's fracking ban could fuel the intensity of the debate in Colorado." *The Denver Post*. D1, January 18.

- 2014 Weible, C. and **T. Heikkila**. “Fracking Resolution in New York – Escalation of Fracking Politics across the Nation.” *The Conversation*, Dec. 22<sup>nd</sup>.
- 2014 **Heikkila, T.** and C Weible. “How Can Europe and the world Learn from the Development of Shale Gas in the U.S.?” *Comment Visions*.
- 2014 Blair, B., C. Weible, **T. Heikkila**, D. Evensen, and S. Gallaher. “Automated News Article Analysis on Hydraulic Fracturing in Colorado, New York, and Pennsylvania.” Published November 2014 by the School of Public Affairs University of Colorado Denver.
- 2014 Gallaher, S., J. Pierce, C. Weible, J. Kagan, **T. Heikkila**, and B. Blair. “A Summary Report of Perceptions of the Politics and Regulation of Unconventional Shale Development in Texas.” Published July 10, 2014 by the School of Public Affairs University of Colorado Denver.
- 2014 **Heikkila, T.**, C. M. Weible, J. Pierce, S. Gallaher, J. Kagan, and B. Blair. “A Summary Report of the Politics of Shale Gas Development and High-Volume Hydraulic Fracturing in New York.” Published April, 2014 by the School of Public Affairs University of Colorado Denver.
- 2013 Pierce, J., J. Kagan, **T. Heikkila**, C. M. Weible, and S. Gallaher. 2013. “A Summary Report of Perceptions of the Politics and Regulation of Hydraulic Fracturing in Colorado.” Published November 25, 2013 by the School of Public Affairs University of Colorado Denver.
- 2013 Weible, C., **T. Heikkila**, and B. Gerber. *Lessons on Learning from a Public Forum Hydraulic Fracturing*. Buechner Institute for Governance Report, May 2013.
- 2012 T. Heikkila, F. Osny Eneas da Silva, D. Stellar, F. de Assis de Souza Filho, S. Tress, U. Lall. “Designing Sustainable and Scalable Water Supply Systems: Evidence and Lessons from Northeast Brazil.” The Columbia Water Center. Columbia University Earth Institute. <http://water.columbia.edu/files/2012/12/BrazilWhitePaper8.21.2012.pdf>
- 2005 **Heikkila, T.** and A. Gilmore. “Improving Cambodia’s Water Supplies through Creative Financing.” *SIPA News*, School of International and Public Affairs, Columbia University, December.
- 2002 Williams, B. and **T. Heikkila**. “Future site land use preferences: U.S. Department of Energy Nuclear Facilities.” Report 68 of the Social and Economic Impacts Center of CRESPI.
- 1999 **Heikkila, T.**, C. Sutton and K. Gonzales, eds. *Governance of Western Water Resources: Sustainable Solutions for the Next Century: Proceedings from the Hatfield Institute for International Understanding 1998 Second Annual Chautauqua: Western Water Governance*.
- 1997 Emerson, K., R. Yarde, and **T. Heikkila**, eds. *Environmental Conflict Resolution in the West: Conference Proceedings, Environmental Conflict Resolution Program*, Udall Center for Studies in Public Policy, University of Arizona. December 1997.

## CONFERENCE PAPERS

Underline denotes student co-author

- 2021 Kagan, J., **T. Heikkila**, J. Yordy, R. Berardo, C. Weible, H. Yi, C. Chen, F. Holm. 2021. “The diversity of policy conflict: Insights from the oil and gas policy domain.” Presented at the American Political Science Association Annual Meeting, October 1, Seattle, WA.
- 2021 Kagan, J., **T. Heikkila**, C. Weible, R. Berardo and H. Yi. “Probing the Sources, Characteristics, and Effects of Policy Conflicts.” Virtually presented at the 13<sup>th</sup> Interpretive Policy Analysis Conference, June 30<sup>th</sup>

- 2021 H., C. Chen, J. Yordy, C. Weible, **T. Heikkila**, R. Berardo. 2021. "Modeling the Duration of Policy Adoption: Hydraulic Fracturing Policies in Fifteen U.S. States." Virtually presented at the Southern Political Science Association Annual Meeting, January 6<sup>th</sup>.
- 2020 **Heikkila, T.**, C. M. Weible, K.D. Park, J. You, J. Yordy, and S.L. Smolinski. "Exploring the Distribution of Conflict and Attention across Energy Infrastructure." Presented at the Association for Public Policy Analysis and Management Annual Conference, Online, November 13.
- 2020 H., C. Chen, F. Holm, **T. Heikkila**, C. Weible, J. Kagan, R. Berardo. 2020. "A Longitudinal Study of Conflicts and Concords around 'Fracking' Policy Issues in the US States." Presented at the Southern Political Science Association annual meeting. San Juan, Puerto Rico, January 9-11.
- 2019 You, J., J. Yordy, C.M. Weible, K.D. Park, **T. Heikkila**, and D. Gilchrist. "Advancing Theory of Policy Conflicts through the Siting of Electricity Transmission Lines." Presented at the Association for Public Policy Analysis and Management Annual Conference, Denver, CO, November 7-9.
- 2019 Weible, C., T. Heikkila, Yordy, J., Yi, H., R. Berardo., J. Kagan, F. Holm, and C. Chen. "Portraying Polycentricity via Public Policy." Presented at the Association for Public Policy Analysis and Management Annual Conference, Denver, CO, November 7-9.
- 2019 A. K. Gerlak, **T. Heikkila**, J. Newig, and P. Feindt. "Taking Stock of Learning in Environmental Governance: Opportunities for Translating Theory to Practice." Presented at the JEPP@21: Workshop on Environmental Policy and Planning Research 2019-2014, Berlin, Germany, September 8-10.
- 2019 Weible, C., **T. Heikkila**, Yordy, J., Yi, H., R. Berardo., J. Kagan, F. Holm, and C. Chen. "Dynamics of Polycentricity and Policy Change." Presented at the European Consortium on Political Research, Wroclaw, Poland, September 4-7.
- 2019 Weible, C., **T. Heikkila**, Yordy, J., Yi, H., R. Berardo., J. Kagan, F. Holm, and C. Chen. "Dynamics of Polycentricity and Policy Change." Presented at the Workshop on the Ostrom Workshop Conference. June 19-21. Bloomington, IN.
- 2019 Yi, H., C. Chen, F. Holm, **T. Heikkila**, C. Weible J. Kagan, and R. Berardo. "The Ebb and Flow of Conflict and Concord: A 15 State, 10 Year Study of Fracking Policy Issues." Presented at the Midwest Political Science Association Annual Conference. April 4-7. Chicago, IL.
- 2019 You, J., J. Yordy, K.D. Park, **T. Heikkila**, and C. M. Weible. "Characterizing Conflict in Siting Natural Gas Pipelines." Presented at the Midwest Political Science Association Annual Conference. April 4-7. Chicago, IL.
- 2018 Yordy, J., J. You, K. Park, C. Weible, **T. Heikkila**, and H. Oliveira. "Framing Contests and Policy Conflicts over Gas Pipelines." Presented at the APPAM Fall Research Conference. November 8-11. Washington, DC.
- 2018 Yi, H., R. Berardo, C. Weible, **T. Heikkila**, J. Kagan, and F. Holm. "Measuring and Mapping Policy Conflict Intensity in Unconventional Oil and Gas Development." Presented at the APPAM Fall Research Conference. November 8-11. Washington, DC.
- 2018 **Heikkila, T.**, A. Gerlak, and C.M. Weible. 2018. "Does Science Change Beliefs in Contested Policy Contexts?" Presented at the ECPR General Conference. August 22-25. Hamburg, Germany.
- 2018 Weible, C., D. Nohrstedt, K. Ingold, **T. Heikkila**, M. Fischer, and P. Cairney. "Advocacy Coalitions and Policy Change: Comparative Insights From Fracking Politics Across Ten Countries." Presented at the ECPR General Conference. August 22-25. Hamburg, Germany.

- 2017 **Heikkila, T.** and K. Andersson. "Designing Policies from the Bottom Up: Practical Insights from Research on Institutional Analysis and Development." Presented at the Roundtable on Practical Lessons from Public Policy theories. European Consortium for Political Research Annual Conference. September 7-10. Oslo, Norway.
- 2017 **T. Heikkila** and C. Weible. "A Semi-Automated Institutional Analysis of Polycentricity in Oil & Gas Regulations." Presented at the XVI Biennial IASC-Conference July 10-14, 2017 Utrecht, The Netherlands.
- 2017 Weible, C. and **T. Heikkila**. "The Cognitive and Behavioral Characteristics of Policy Conflicts: As Evinced by Some Pretty Decent Data on Oil and Gas Politics in Colorado." Presented at the Midwest Political Science Association Annual Meeting. April 6-9. Chicago, IL.
- 2016 **Heikkila, T.** and C. Weible. "Parsing Policy Conflicts: A Study of Colorado Hydraulic Fracturing Politics." Presented at the Association for Public Policy Analysis and Management Fall Research Conference. November 3-5, Washington, DC.
- 2016 **Heikkila, T.**, R. Berardo, C. Weible, and H. Yi. "A Comparison of Hydraulic Fracturing Politics in Argentina, China, and the United States." Presented at the European Consortium for Political Research. September 7-10, Charles University, Prague.
- 2016 **Heikkila, T.**, R. Berardo, C. Weible, and H. Yi. "Juxtaposing Advocacy Coalitions: A Comparison of Hydraulic Fracturing Politics in Argentina, China, and the United States." Presented at the First Annual Regional International Conference on Public Policy. June 6-8, Hong Kong University, Hong Kong.
- 2016 Gerlak, A., **T. Heikkila**, D. Huitema, D. Armitage, S. Smolinski. "Are we learning enough about learning?: A systematic review of learning in environmental governance." Presented at the Midwest Political Science Association Annual Meeting. April 7-10. Chicago, IL.
- 2016 Weible, C. and **T. Heikkila**. "Policy Conflict Theory." Presented at the Midwest Political Science Association Annual Meeting. April 7-10. Chicago, IL.
- 2016 **Heikkila, T.** and C. Weible. "Parsing Policy Conflicts: A Study of Colorado Hydraulic Fracturing Politics." Presented at the Midwest Political Science Association Annual Meeting. April 7-10. Chicago, IL.
- 2015 **Heikkila, T.** and C. Weible. "Examining Policy Actor Perceptions of Water-Related Risks from Oil and Gas Development in Colorado." Presented at the American Water Resources Association Annual Meeting. November 16-19, Denver, CO.
- 2015 Weible, C., **T. Heikkila** and J. Pierce. "Reasons to Collaborate in Adversarial Policy Subsystems." Presented at the American Political Science Association Annual Meeting. Sept. 3-6, San Francisco, CA.
- 2015 **Heikkila, T.** and C. Weible. "Contours of Coalition Politics within Hydraulic Fracturing Debates in the United States." Presented at the Roundtable on Hydraulic Fracturing at the International Conference on Public Policy, July 1-4, Milan, Italy
- 2015 Olofsson, K., J. Katz, D. Costie, **T. Heikkila**, and C. Weible. "A Dominant Coalition and Policy Change: The Development of Shale Oil and Gas in India." Presented at the International Conference on Public Policy, July 1-4, Milan, Italy.

- 2015 **Heikkila, T.** "Measuring Polycentricity: Challenges, Experiences and Opportunities." Presented at the Roundtable on Polycentricity for the Midwest Political Science Association Annual Meeting. April 16-19. Chicago, IL
- 2015 Weible, C., K. Olofsson, D. Costie, J. Katz, and **T. Heikkila**. "Toward Precision and Clarity in the Study of Policy Narratives: An Analysis of Climate and Air Issues in Delhi, India." Presented at the Midwest Political Science Association Annual Meeting. April 16-19. Chicago, IL.
- 2015 Weible, C., **T. Heikkila** and J. Pierce. "Reasons to Collaborate in Adversarial Policy Subsystems." Presented at the Midwest Political Science Association Annual Meeting. April 16-19. Chicago, IL.
- 2014 Olofsson, K., C. Weible, **T. Heikkila**, and J.C. Martel. "Understanding non-profit narratives and news media frames of air pollution in Delhi." Presented at the Association for Public Policy Analysis and Management Annual Conference. November 6-8, Albuquerque, NM.
- 2014 Weible, C. and **Heikkila, T.** "The Entanglement of Expertise with Values and Group Affiliation in Understanding Positions on Hydraulic Fracturing." Presented at the European Consortium on Political Research, September 3-6, Glasgow, Scotland.
- 2014 **Heikkila, T.**, A. Gerlak., and A. Wolf. "Do Issues and Scale Matter?: A Study of Conflict and Cooperation in the Mekong Basin." Presented at the American Political Science Association Annual Meeting. August 27-30, Washington, DC.
- 2014 Weible, C., **Heikkila, T.** and D. Carter. "An Institutional and Stakeholder Analysis of the Hydraulic Fracturing Disclosure Rule in Colorado." Presented at the Workshop on the Ostrom Workshop, Bloomington, Indiana, June 6, 2014.
- 2014 **Heikkila, T.**, A. Gerlak., and A. Wolf. "A Study of Conflict and Cooperation in the Mekong Basin: How Issues and Scale Matter." Presented at the Midwest Political Science Association Annual Meeting. April 3, Chicago, IL.
- 2014 **Heikkila, T.**, C. Weible, and J. Pierce. "A View of the Politics of Hydraulic Fracturing in New York through the Narrative Policy Framework Lens." Presented at the Midwest Political Science Association Annual Meeting. April 3, Chicago, IL.
- 2013 Weible, C., **T. Heikkila**, and J. Pierce. "Evaluating Regulations and Assessing Support for Changing Regulations in Hydraulic Fracturing." Paper Presented at the International Conference on Public Policy, June 28-30, Grenoble France.
- 2013 Weible, C., J. Pierce, **T. Heikkila**. "Explaining Political Activities in Hydraulic Fracturing in Oil and Gas Development." Presented at the American Political Science Association Annual Meeting, August 30-September 1. Chicago, IL.
- 2013 Berardo, R., **T. Heikkila**, and A. Gerlak. "Interorganizational Engagement in Collaborative Environmental Management: Evidence from the South Florida Ecosystems Restoration Task Force." Presented at the Midwest Political Science Association Annual Meeting. April 11-14, Chicago, IL.
- 2013 Schlager, E., and **T. Heikkila**. "Resolution of Environmental Conflicts Among Diverse Venues." Presented at the Midwest Political Science Association Annual Meeting. April 11-14, Chicago, IL.
- 2013 **Heikkila, T.**, S. Gallaher, J. Pierce, J. Kagan, and C. Weible. "Understanding a Period of Policy Change: The Case of Hydraulic Fracturing Disclosure Policy in Colorado." Presented at the Midwest Political Science Association Annual Meeting. April 11-14, Chicago, IL.

- 2012 **Heikkila, T.**, A. Gerlak, and M. W. Davis. "Structuring Public Engagement in Collaborative Environmental Management: A 10-Year Analysis of the South Florida Ecosystem Restoration Task Force." Presented at the American Political Science Association Annual Meeting, Aug. 30-Sept. 2, New Orleans, LA.
- 2012 Case, C., **T. Heikkila**, and E. Schlager. "Representation, Decision Making Costs, and the Resolution of Environmental Conflicts Among Diverse Venues." Presented at the American Political Science Association Annual Meeting, Aug. 30-Sept. 2, New Orleans, LA.
- 2012 **Heikkila, T.** and A. Gerlak. "In search of an integrative framework of learning." Presented at the Policy Studies Journal Workshop on New Theories of the Policy Process. Denver, CO, October 4-5.
- 2012 **Heikkila, T.** and A. Gerlak. "In Search of an Integrative Framework of Learning in Collective Action Settings." Presented at the Midwest Political Science Association Annual Meeting. April 12-15, Chicago, IL.
- 2011 **Heikkila, T.** and U. Lall. "What is the P in PPP?" Poster Prepared for the American Geophysical Union Annual Meeting (#H11F-1114), December 5-8, San Francisco, CA.
- 2011 **Heikkila, T.**, A. Gerlak, and M. Davis. "Investigating Engagement in Collaborative Processes over Time: A 10-Year Study of the South Florida Ecosystem Restoration Task Force." Presented at the American Political Science Association Annual Meeting, September 1-4, Seattle, WA.
- 2011 Schlager, E., **T. Heikkila** and C. Case. "The Politics of Contested Water Rights among Individuals and States in the Western U.S." Presented at the American Political Science Association Annual Meeting, September 1-4, Seattle, WA.
- 2011 **Heikkila, T.** and S. McNeeley. "A Framework for Assessing the Adaptive Capacity of Water Management Institutions." Presented at the Universities Council on Water Resources Annual Meeting, July 13-14, Boulder, CO.
- 2011 **Heikkila, T.**, A. Gerlak, A. Bell and S. Schmeier. "Adaptation by a River Basin Organization: Stressors and Adaptive Responses within the Mekong River Commission. Prepared for the Colorado Conference on Earth Systems Governance, Colorado State University, May 18-20, Fort Collins, Colorado.
- 2010 Gerlak, A. and **T. Heikkila**. "Building a Theory of Learning in Collaborative Institutions. Evidence from the Everglades Collaborative Restoration Program." Presented at the North American IASC Meeting. Sept. 27-30. Arizona State University, Tempe, AZ.
- 2010 **Heikkila T.**, C. Weible and A. Gerlak. "Upscaling from Individual Learning to Collective Learning in Policy Process Research." Presented at the American Political Science Association Annual Meeting, September 1-5, Washington DC.
- 2010 Fitzpatrick, J., M. Goggin, **T. Heikkila**, D. Klingner, J. Machado, C. Martell. "Comparative Public Administration: Review of the Literature and Agenda for Future Research." Presented at the American Political Science Association Annual Meeting, September 1-5, Washington DC.
- 2010 **Heikkila, T.**, E. Schlager, and M.W. Davis. "The Role of Cross-Scale Institutional Linkages in Common Pool Resource Management." Presented at the American Political Science Association Annual Meeting, September 1-5, Washington DC, and presented at the Institutional Analysis and Development Framework Conference, School of Public Affairs, University of Colorado Denver, April 2010.



- 2009 Gerlak, A. and **T. Heikkila**. "An Exploration of Learning in a Collaborative Institution: Insights from the Everglades Restoration Program." Presented at the American Political Science Association Annual Meeting, September 3-6, Toronto, Canada.
- 2009 **Heikkila, T.** and A. Gerlak. "Adaptation and Change in Collaborative Watershed Institutions." Presented at the University of Idaho College of Law Symposium, *Transboundary River Governance in the Face of Uncertainty: The Columbia River Treaty 2014*. April 2-4.
- 2009 Schlager, E., and **T. Heikkila**. "Transboundary river basin governance in the western United States: Exploring Cross-Scale Linkages." Presented at the Workshop on the Workshop in Political Theory IV, Indiana University, June 2009.
- 2008 **Heikkila, T.** and E. Schlager. "The Role of Information Infrastructure Needs in Improving the Organizational Capacity for Interstate Water Management and Conflict Resolution." Presented at the Association for Public Policy Analysis and Management Annual Meeting, November 6-8, Los Angeles, CA.
- 2008 Schlager, E. and **T. Heikkila**. "Hot and Bothered: The Effects of Global Climate Change on Western Interstate River Compacts." Presented at the American Political Science Association Annual Meeting, August 28-31, Boston, MA
- 2008 **Heikkila, T.** and E. Schlager. "Resolving River Basin Conflicts: Analyzing the Role of Conflict Complexity and Forums." Presented at the Midwest Political Science Association Annual Meeting, Chicago, IL.
- 2007 Schlager, E. and **T. Heikkila**. "Strengthening Cross-state Linkages to Improve Watershed Governance: The Case of Western Interstate River Compacts." Presented at the American Political Science Association Annual Meeting. August 31-2, Chicago, IL.
- 2007 **Heikkila, T.** and E. Schlager. "Resolving Conflicts in Transboundary River Basins: The Importance of Conflict Types, Forums, and Outcomes." Presented at the American Political Science Association Annual Meeting. August 31-2, Chicago, IL.
- 2007 Schlager, E. and **T. Heikkila**. "Collaborative Governance of Interstate River Basins in the Western U.S." Presented at the Association for Public Policy Analysis and Management Annual Meeting, panel on "Partner Capacity for Collaborative Governance." November 8, Washington DC.
- 2007 **Heikkila, T.** "Qualitative Comparative Analysis: What, Why, and a Little How." Presented at the Academy of Management Annual Meeting, August, Philadelphia, PA.
- 2006 Cohen, S., **T. Heikkila**, and A. Gilmore. "Is Sustainable Development Feasible? The Critical Role of Public Management and Organizational Capacity." Presented at the Association for Public Policy Analysis and Management Annual Meeting, November 2-4, Madison, WI.
- 2005 **Heikkila, T.** and K. Isett. "Citizen Involvement and Performance Management in Special Purpose Governments." Presented at the Association for Public Policy Analysis and Management Annual Meeting, November 3-5, Washington, DC.
- 2004 **Heikkila, T.** and A. Gerlak. "Collaboration across the Problem-shed: Examining the Emergence of Natural Resource Management Institutions." Presented at the American Political Science Association Annual Meeting. September 2-5, Chicago, IL.
- 2004 **Heikkila, T.** and E. Schlager. "Interstate Water Compacts and Institutional Interplay: Self-Governance Among Water Users, States, and Federal Agencies." Presented at the Western Political Science Association Annual Meeting. March 11-13, Portland, Oregon.

- 2004 Schlager, E. and **T. Heikkila**. "Examining the Interaction among CPR Governance Principles: Boundary Problems, Collective Choice and Conflict Resolution in Interstate Watersheds." Presented at the Workshop on the Workshop in Political Theory III. June 2-6, 2004, Indiana University, Bloomington, IN.
- 2003 Blomquist, W., **T. Heikkila** and E. Schlager. "Building the Agenda for Institutional Research in Water Resource Management." Prepared for presentation at the Universities Council on Water Resources (UCOWR), National Institutes for Water Resources (NIWR), and Environmental & Water Resources Institute of the American Society of Civil Engineers (EWRI) Annual Meeting. July 30-August 1, Washington, D.C.
- 2002 **Heikkila, T.** "Governance Structures and New Water Market Institutions: A Transaction Cost Assessment of Water Banking Programs in the Southwest." Presented at the Association for Public Policy Analysis & Management Annual Meeting. November 6-8, Dallas, TX.
- 2001 **Heikkila, T.** and K. Isett. "Developing Institutional Theories to Explain Policy Processes: Crossing Disciplinary Lines." Presented at the Association for Public Policy Analysis & Management Annual Meeting. November 1-3, Washington, DC.
- 2001 Isett, K. R. and **T. Heikkila**. "Points of Convergence in Institutional Theories: Crossing Disciplinary Boundaries." Presented at the Western Political Science Association Annual Meeting. March 15-17, Las Vegas, Nevada.
- 2000 **Heikkila, T.**, and K. Isett. "Groundwater Governance and Conjunctive Management in California: An Institutional Analysis." Presented at the Association for Public Policy Analysis and Management Annual Conference. November 2-4, Seattle, Washington.
- 2000 **Heikkila, T.** "Coordinated Water Management in Colorado: A Game Theoretic Analysis." Presented at the International Association for the Study of Common Property 8th Biennial Conference, May 31-June 4, Bloomington, Indiana.
- 2000 **Heikkila, T.** "Linking Rules and Management Decisions: Conjunctive Water Management in Two Colorado Watersheds." Presented at the Fourth International Research Symposium on Public Management, Erasmus University. April 10-11, Rotterdam, The Netherlands.
- 1999 **Heikkila, T.** "The Development of the Arizona Water Industry: Centralized Polycentric Institutional Patterns?" Presented at the Workshop on the Workshop in Political Theory II, Indiana University. June 9-12, Bloomington, Indiana.
- 1999 **Heikkila, T.** "The Role of Science in Public Policy: The Case of the San Pedro River Basin." Presented at the Western Political Science Association Annual Meeting. March 25-27, Seattle, WA.
- 1998 **Heikkila, T.** "Recharge Policy in the West: Comparing Regulatory and Legal Institutions in Arizona, California, and Colorado." Presented at the Arizona Hydrological Society 11th Annual Symposium: Water at the Confluence of Science, Law, and Public Policy. September 24-26, Tucson, AZ.

## INVITED TALKS AND SEMINARS

Underline denotes student co-presenter

- 2021 **Heikkila, T.** “Energy Infrastructure Conflicts.” Presented at the Public Acceptance and Governance in Energy Policy Webinar, sponsored by the Institute for Public Integrity and Environmental Defense Fund. December 16.
- 2021 Weible, C. and **T. Heikkila.** “Using the Institutional Grammar to Analyze Public Policies.” Presented at the Institutional Grammar Research Initiative Webinar, June 14, 2021.
- 2020 **Heikkila, T.** and C. Weible. “Exploring Contention in Oil and Gas Policy Contexts.” Presented at the [Colorado Energy Research Collaboratory Webinar Series. October 22<sup>nd</sup>](#).
- 2020 **Heikkila, T.** and C. Weible. “Exploring Contention in the Energy Sector: Insights from Infrastructure Siting.” Presented at the [Colorado Energy Research Collaboratory Webinar Series. October 8<sup>th</sup>](#).
- 2020 **Heikkila, T.** and C. Weible. “Exploring Contentiousness in Oil and Gas Policy Contexts.” Presented to the American Petroleum Institute Webinar, August, 20<sup>th</sup>.
- 2020 **Heikkila, T.** and C. Weible. “Targeted Action Situations of Environmental Governance.” Presented to the Institutional Grammar Research Initiative (IGRI) Research Webinar, May 8<sup>th</sup>.
- 2020 **Heikkila, T.** “Analyzing Policy Conflict: Lessons from Energy Debates in the U.S.” Presented at the Center for Environmental Policy and Behavior, University of California Davis, January 31<sup>st</sup>, Davis, CA.
- 2019 **Heikkila, T.** “Institutionalizing Learning in Water Governance: What Have We Learned and Where Should We Go.” Presented at the California Bay Delta Science Program, Social Science Task Force Workshop, July 23<sup>rd</sup>, University of California Davis, Davis, CA.
- 2019 **Heikkila, T.** “Enhancing Social License to Operate: Debut of the Aspen Institute Report.” Panelist at *The Forum on the Future of Colorado Oil and Gas*. Colorado School of Mines Payne Institute, June 4<sup>th</sup>, Golden, CO.
- 2019 **Heikkila, T.** “Understanding and Analyzing Policy Conflict: Lessons from Energy Debates in the United States.” Presented at the O’Neill School of Public and Environmental Affairs, Indiana University. April 12<sup>th</sup>, Bloomington, Indiana.
- 2019 **Heikkila, T.** and A. Gerlak. “Learning to Improve Environmental Governance.” Presented at the Regional Meeting of the International Association of the Study of the Commons. March 8<sup>th</sup>, Tucson, AZ.
- 2019 **Heikkila, T.** “Introducing the Policy Conflict Framework: Applications and Insights from Fracking Debates” Presented at the John Glenn College of Public Affairs, The Ohio State University. January 28, Columbus, Ohio.
- 2018 Ryan, J., **T. Heikkila**, M. Hannigan, and K. Mutz. “AirWaterGas: Who We Are and How We Can Help with Oil and Gas Issues in Municipalities.” Webinar Presentation for the Colorado Municipal League. April 9, Denver, CO. [https://www.cml.org/Issues/Oil-and-Gas/2018-04-09-Webinar-\(recording\)--AirWaterGas/](https://www.cml.org/Issues/Oil-and-Gas/2018-04-09-Webinar-(recording)--AirWaterGas/)
- 2018 **Heikkila, T.** “The Underpinnings of Policy Conflicts: Differences in Policy Actor Positions on Oil and Gas Development in Colorado.” Presented to the Colorado Municipal League, April 9.
- 2018 **Heikkila, T.** “Understanding and Analyzing Policy Conflicts.” Presented at the School of Government and Public Policy, University of Arizona, Jan. 30, Tucson, AZ.

- 2018 **Heikkila, T.** "Addressing Large-Scale Tragedies of the Commons: Lessons from the Florida Everglades Restoration Program." Presented to the Louvain Platform on Transition, Catholic University of Louvain, Feb. 28 Belgium.
- 2017 **Heikkila, T.** "Colorado Water Policy: Past, Present, Future." Presented to the Colorado Student Leadership Institute, July 18, University of Colorado Denver.
- 2017 **Heikkila, T.** "Colorado Water Policy: State Power and Its Constraints to Adapt to Changing Demands and Resource Conditions." Presented to the 2016-2017 Colorado Class of Governor's Fellows, January 12, Denver.
- 2016 **Heikkila, T.** "Unpacking the Policy Conflict Framework: An Application to Colorado's Hydraulic Fracturing Politics." Presented at the Environmental Governance Seminar, Department of Geography, Hebrew University of Jerusalem, December 14, Jerusalem.
- 2016 **Heikkila, T.** and Weible, C. "Strategies for Engaging Communities Involved in Conflicts over Oil and Gas Development: A Summary Report for British Consulate Delegation." Presented to the British Consulate Delegation on Shale Gas, December 1, Denver, CO.
- 2016 **Heikkila, T.** "Colorado Water Policy: The Why, What, Who, and How." Presented to the Colorado Student Leadership Institute, August 3<sup>rd</sup>. University of Colorado Denver.
- 2016 **Heikkila, T.** "Parsing Policy Conflicts: An Application of Policy Conflict Theory to Colorado's Hydraulic Fracturing Subsystem." Presented at the School of Public Policy, Oregon State University, April 28, Corvallis, OR.
- 2016 **Heikkila, T.** "A Diagnostic Approach for Analyzing Policy Conflicts: An Application to Hydraulic Fracturing Debates in Colorado." Presented at Columbia University's Earth Institute. March 21, New York, NY.
- 2015 **Heikkila, T.** "Understanding Collaboration and Conflict: Toward a Research Agenda of the Food-Water-Energy Nexus in Oil and Gas Development." Presented at the Food-Energy-Water Nexus Workshop, Funded by the National Science Foundation. December 7, Washington, DC.
- 2015 Weible, C. and **Heikkila, T.** "Understanding the Politics of Oil and Gas Development in Colorado." Presented at the Colorado Oil and Gas Conservation Commission. September, 8, Denver, CO.
- 2015 **Heikkila, T.** "Analyzing the Politics of Hydraulic Fracturing in Colorado." Presented at the AirWaterGas Teachers in Residence Training, July 17, Boulder, CO.
- 2015 **Heikkila, T.** "Musing on Compliance, the IAD, and the future of WIPBO." Presented at the Working Group on Behavior, Institutions, and Policy Outcomes Workshop, June 4-5, San Diego State University.
- 2015 **Heikkila, T.** and C. Weible. "Analyzing the Politics of Hydraulic Fracturing in Colorado." Presented at the External Advisory Committee Meeting, AirWaterGas Sustainability Research Network Meeting, May 13, Boulder, CO.
- 2015 **Heikkila, T.** "Water Conflict and Cooperation Across Scales: Approaches, Methods, and Insights." Presented at the University of Wisconsin Milwaukee, School of Freshwater Sciences. March 11.
- 2015 Weible and **T. Heikkila.** 2015. "Reasons to Collaborate in High Conflict Policy Contexts." Presented at the Human Dimensions in Environmental Change Seminar. Colorado State University. February 26.

- 2015 Weible, C. and **T. Heikkila**. 2015. "Reasons to Collaborate in High Conflict Policy Contexts." Presented at the Federal Institute for Water Resources (EWAG), February 5, Zurich, Switzerland.
- 2014 **Heikkila, T.** and S. Gallaher. "Understanding the Political Fractures and Seams Around Hydraulic Fracturing: Comparing Texas, Colorado and New York." Presented at *The Shale Revolution* Workshop. Rice University, Baker Institute for Public Policy. October 30, 2014. Houston, Texas.
- 2014 **Heikkila, T.** "The Politics of Hydraulic Fracturing." University of Colorado Denver, Graduate School 'Mini-School.' October, 16, 2014, Denver, Colorado.
- 2014 **Heikkila, T.** and C. Weible. "Comparing Perceptions About Hydraulic Fracturing in Colorado, New York, and Texas." University of Colorado Boulder, Environmental Studies Seminar. Boulder, Colorado. October 13, 2014,
- 2014 **Heikkila, T.** and C. Weible. "The Political Landscape of Shale Gas Development and Hydraulic Fracturing in New York." Columbia University Earth Institute. New York, New York. September 18.
- 2014 Weible, C. and **Heikkila, T.** "Policy Process Research: Comparative Opportunities and Challenges." Tsinghua University School of Public Policy and Management, Beijing, China. July 15.
- 2014 **Heikkila T.** and Weible, C. "Understanding the Political Fractures and Seams Around Hydraulic Fracturing in Colorado." Presented at the Wirth Chair Annual Awards Luncheon, Denver, Colorado. June 16.
- 2014 **Heikkila, T.** "A Study of Conflict and Cooperation in the Mekong Basin: How Issues and Scale Matter." Presented at the Hydrology and Water Resources Seminar, Department of Civil Engineering, CU Boulder, Boulder, CO. February 5.
- 2013 **Heikkila, T.** "Exploring the Politics of Shale Gas Development." Presented at the Workshop on Shale Gas Development, The Baker Institute, Rice University, October 18.
- 2013 **Heikkila, T.** "Water Conflict and Cooperation Across Scales: Approaches, Methods, and Insights." Presented at the Graduate Seminar in Environmental Studies, University of Colorado Boulder, November 22.
- 2013 **Heikkila, T.** and A. Gerlak. "Exploring Water Related Conflicts and Cooperation in the Mekong Basin." Presented at the Greater Mekong Basin Project Workshop, Ho Chi Minh City, Vietnam, November 5-8.
- 2012 **Heikkila, T.** "Getting the Water Right and Getting the People Right: Collaborative Decision-making and Learning in the Everglades Restoration Program." Presented at Managing the Delta: The Governance Challenges of Adaptive Management, the 15<sup>th</sup> Annual Travers Conference on Ethics and Accountability, University of California Berkeley, March 2.
- 2011 **Heikkila, T.** "Interstate Water Compacts in the Western United States: The Good, The Bad, and the Ugly." Presented at the *International Workshop on Water Allocation*. Federal University of Ceara, Fortaleza Brazil. November 7-8.
- 2011 **Heikkila, T.** and M. Davis. "Getting the Water Right and Getting the People Right: A 10-Year Study of Collaborative Decisionmaking in the Everglades Restoration Program." Presented at the Natural Resources Environmental Laboratory Seminar, Colorado State University, Fort Collins, CO, October 21.

- 2011 **Heikkila, T.** "The Role of Governance in Addressing Global Water Scarcity and Climate Risks." Presented at the Columbia Water Center/PepsiCo Foundation Project Conference, June 27<sup>th</sup>, Columbia University, New York.
- 2010 **Heikkila, T.** "The Role of Cross-Scale Institutional Linkages in Common Pool Resource Management: Assessing Interstate Compacts." Presentation for the University of Colorado School of Engineering, Water Resources Seminar, Boulder, Colorado. November 3.
- 2010 **Heikkila, T.** "Resolving Conflicts Between States Through Interstate Compacts." Presentation for Colorado State University, Interdisciplinary Water Resources Seminar, Fort Collins, Colorado. Sept. 23.
- 2010 **Heikkila, T.** "Transboundary Water Governance in the Western U.S.: The Role of Organizational and Informational Infrastructure." Presented to the Colorado Water Congress, Session 1A, January 28. Denver, Colorado.
- 2009 **Heikkila, T.** "The Potential for Interstate Compacts to Adapt to Climate Change." Presented at the Federal University of Ceara, Fortaleza Brazil, November 13, 2009.
- 2008 Gerlak, A. and **T. Heikkila.** "Large-scale collaborative ecosystem restoration efforts: Exploring the role of institutional design and scientific learning." Era of New Environmental Governance Symposium, Washington State University, April, 2008.
- 2008 **Heikkila, T.** "Resolving River Basin Conflicts in the Western United States." Presented at the Companhia de Gestao dos Recursos Hidricos (COGERH), Fortaleza, Brazil.
- 2008 **Heikkila, T.** "Analyzing the Role of Conflict Issues and Resolution Forums in Resolving River Basin Conflicts in the Western United States." Presented at the Center on Globalization and Sustainability and Development, Spring Seminar, New York.
- 2008 Lall, U., **T. Heikkila, T. Siegfried, V. Modi, and T. Huh.** "Seeding a Revolution to Meet Global Water Needs." Columbia University Earth Institute Fall Seminar on Sustainable Development, October, New York.
- 2008 Lall, U., **T. Heikkila, T. Siegfried, V. Modi, and C. Brown.** "Relieving Water Stress in Many Lands and Climes to Come." Columbia University Earth Institute Spring Seminar on Sustainable Development, April, New York.
- 2007 **Heikkila, T.** "The Political Pitfalls of Integrated Water Resource Management (IWRM)" Presented at CAIWA Workshop on IWRM Theory & Practice, Basel Switzerland.
- 2007 Lall, U., **T. Heikkila, T. Siegfried, C. Brown, H. Kwon, and A. Souza Filho.** "Global Water Sustainability: A Research Agenda for Meeting the 21<sup>st</sup> Century Challenge." Columbia University Earth Institute Spring Seminar on Sustainable Development, April, New York.
- 2006 **Heikkila, T.** "Searching for Sustainable Institutions: A Study of Conflicts and Conflict Resolution in Interstate River Basins." Presented at the Center on Globalization and Sustainability and Development, Fall Seminar, New York.
- 2005 **Heikkila, T.** "Collaborative Management of Water Resources in the United States." Workshop on the Politics of Policy Making: How to Achieve Good Governance. Universidad Nova in Lisbon, Portugal.
- 2002 **Heikkila, T.** and M. Ballesteros. "Understanding Embeddedness in Institutional Change: The Case of Cofradias in Galicia, Spain." Presented at Indiana University-Purdue University, Indianapolis, Department of Political Science.

- 2002 Hanley, J., **Heikkila, T.** and K. Isett. "Limiting and Enhancing Visions of Bounded Rationality in the New Institutional Economics and Institutional Analysis and Design Literatures." Presented at Workshop in Political Theory and Policy Analysis Mini-Conference, Indiana University, Bloomington.
- 2002 **Heikkila, T.** "Institutional Boundaries and Common-Pool Resource Management: A Comparative Analysis of Water Management Programs in California." Presented at Workshop in Political Theory and Policy Analysis Mini-Conference, Indiana University, Bloomington.

## TEACHING

### Graduate Courses

- 2010-2020 Doctoral Seminar in the Conduct of Empirical Inquiry, PAD 8060, CU-Denver
- 2009-2020 Seminar in Environmental Politics and Policy, PAD 5631, CU-Denver
- 2017; 2019 Seminar in Environmental Politics and Policy, Online PAD 5631, CU-Denver
- 2010; 2016 Advanced Seminar/Capstone in Public Affairs, PAD 5361, CU-Denver
- 2012-2014 Water Utility Management, Co-Instructor, CU-Boulder
- 2013; 2014 Program in International Research and Education, Summer Course on Sustainable Cities in Delhi India and Beijing, China, Co-Instructor; Lead institution University of Minnesota
- 2011 Theories of Change in Sustainable Infrastructure Management, PAD 5634, CU-Denver
- 2011 Advanced Seminar/Capstone in Public Affairs, Online PAD 5361, CU-Denver
- 2004-2009 Environmental Policy, Politics, and Management, Columbia University
- 2006-2008 Workshop in Applied Earth Systems Mgmt., Science and Policy, Columbia University
- 2005-2006 Public Management, Executive MPA, Columbia University
- 2002-2009 Workshop in Applied Earth Systems Mgmt, Policy Implementation, Columbia University
- 2002-2009 Workshop in Applied Earth Systems Policy Analysis, Capstone, Columbia University
- 2002-2003 Public Management, Environmental Science & Policy Program, Columbia University

### Undergraduate Courses

- 1999 Program Evaluation, University of Arizona
- 1999 The Administration of Public Organizations, University of Arizona

### Short-Courses

- 2018 International Spring School on Public Policy, Denver Edition International Public Policy Association
- 2014 Network Leadership for Environmental and Natural Resource Mgmt., Network Leadership Training Academy, Denver Colorado

2007-2009 Leadership and Decision-making (Executive Training for Chinese Civil Servants),  
Columbia University

#### Guest Lecturer

2017-2022 Environmental and Occupational Health Policy Development and Analysis, CU Denver  
Anschutz Medical Campus School of Public Health

2017-2021 Sustainable Urban Infrastructure, CU Denver Civil Engineering

2015-2021 Water Utility Management, CU Boulder Civil Engineering

2020 Environmental Policy, Shandong Executive MPA Program

2019 Environmental Policy Lunch and Learn, Shandong Executive MPA Program and  
Accelerated MPA Program, School of Public Affairs, CU Denver

#### Post-Doc Advisees

1. Jonathan Pierce, School of Public Affairs, CU Denver (Co-Advisor: 2012-2014)
2. Benjamin Blair, School of Public Affairs, CU Denver (Co-Advisor: 2013-2015)

#### Doctoral Dissertation Committees (\* Denotes Committee Chair/Primary Advisor)

1. Andre Almeda, School of Public Affairs, CU Denver, Defended 2010
2. Saifedean Ammous, School of International and Public Affairs, Colombia University, Defended 2010
3. Leslie Miller, Department of Civil Engineering, CU Denver, Defended 2011
4. Saba Siddiki, School of Public Affairs, CU Denver, Defended 2012 (**Co-Chair**)\*
5. Faith Sternlieb, Department of Geosciences, Colorado State University, Defended 2013
6. Robert Cameron Ward-Hunt, School of Public Affairs, CU Denver, Defended 2014 (**Chair**)\*
7. Mark W. Davis School of Public Affairs, CU Denver, Defended 2014 (**Chair**)\*
8. Elliot Cohen, College of Engineering, CU Denver, Defended 2014
9. John Calanni, School of Public Affairs, CU Denver, Defended 2014
10. Dallas Elgin, School of Public Affairs, CU Denver, Defended 2014
11. Amy Carrier, School of Public Affairs, CU Denver, Defended 2015
12. Shammuga Priya Gnanasekaran, College of Architecture and Planning, CU Denver, Defended 2015
13. Laurie Manderino, School of Public Affairs, CU Denver, Defended 2015 (**Chair**)\*
14. Andrew Pattison, School of Public Affairs, CU Denver, Defended 2015
15. Ann Sheerer, College of Architecture and Planning, CU Denver, Defended 2015
16. David P. Carter, School of Public Affairs, CU Denver, Defended 2016



17. Kara Luckey, College of Architecture and Planning, CU Denver, Defended 2016
18. Elizabeth Koebele, Environmental Studies Program, CU Boulder, Defended 2017
19. Samuel Gallaher, School of Public Affairs, CU Denver **(Co-Chair)\***, Defended 2017
20. Teri Bolinger, School of Public Affairs, CU Denver **(Chair)\***, Defended 2017
21. Eric Butz, School of Public Affairs, CU Denver, Defended 2018
22. Kelsey Cody, Environmental Studies Program, CU Boulder, Defended 2018
23. John Berggren, Environmental Studies Program, CU Boulder, Defended 2018
24. Kristin Olofsson, School of Public Affairs, CU Denver, Defended 2019
25. Jennifer Kagan, School of Public Affairs, CU Denver **(Chair)\***, Defended 2019
26. Youn-Suk Jung, School of Public Affairs, CU Denver **(Chair)\***, Defended 2019
27. Jillian Drabik, Environmental Science and Policy, University of Miami, Defended 2019
28. Kyu-Dong Park, School of Public Affairs, CU Denver, Defended 2020
29. Cecile Riche, Université Catholique de Louvain, Belgium , Defended 2020
30. Daniel Costie, School of Public Affairs, CU Denver, Defended 2020
31. Sharon Smolinski, School of Public Affairs, CU Denver **(Chair)\***, Defended 2021
32. Laura Wolton, School of Public Affairs, CU Denver, Defended 2021
33. Alex Osei-Kojo, School of Public Affairs, CU Denver, Defended 2021

*Current Dissertation Committees*

34. Jill Yordy, School of Public Affairs, CU Denver
35. Jongeun You, School of Public Affairs, CU Denver
36. Kathleen Bailey, School of Public Affairs, CU Denver **(Chair)\***
37. Sojeong Kim, School of Public Affairs, CU Denver, **(Chair)\***
38. Stephanie Bultema, School of Public Affairs, CU Denver, **(Chair)\***
39. Kristin Wegner, CU Denver, **(Chair)\***
40. Hailey Powers, School of Public Affairs, CU Denver

Master's Thesis Committees

41. Samuel Gallaher, School of Public Affairs, CU Denver, Defended 2011 **(Chair)\***
42. Christine, Ceclione, Department of Communication, CU Denver, Defended 2012
43. J.C. Martel, School of Public Affairs, CU Denver, Defended 2013
44. Rebecca Greenberg, School of Public Affairs, CU Denver, Defended 2015 **(Chair)\***
45. Stephen Self, School of Public Affairs, CU Denver, Defended 2015 **(Chair)\***
46. Jack Wold-McGimsey, School of Public Affairs, CU Denver, **(Chair)\***

## HONORS and AWARDS

2018-2022	University of Stirling, Honorary Professor within the Faculty of Arts and Sciences
2022	School of Public Affairs, Excellence in Faculty Research Award
2021	School of Public Affairs, Honorable Mention: Excellence in Faculty Research Award and Honorable Mention: Excellence in Faculty Service Award
2020	University of Colorado Denver, Graduate School Dean's Award for Excellence in Mentoring
2019	School of Public Affairs, Honorable Mention: Excellence in Faculty Research Award
2018	School of Public Affairs, Excellence in Faculty Research Award
2018	School of Public Affairs, Honorable Mention: Excellence in Faculty Service Award
2017	School of Public Affairs, Honorable Mention: Excellence in Faculty Research Award
2016	School of Public Affairs, Faculty Development Award (\$5,000)
2015	University of Colorado Denver, Graduate School Dean's Award for Excellence in Mentoring
2015	School of Public Affairs, Honorable Mention: Excellence in Faculty Research Award
2015	School of Public Affairs, Honorable Mention: Excellence in Faculty Service Award
2014	School of Public Affairs, Excellence in Faculty Teaching Award
2013	University of Colorado Denver, Campus-wide Award for Excellence in Faculty Research
2013	School of Public Affairs, Excellence in Faculty Research Award
2012	Harold D. Lasswell Award for best article in the journal <i>Policy Sciences</i>
2012	School of Public Affairs, Excellence in Faculty Research Award, Honorable Mention
2011	School of Public Affairs, Excellence in Faculty Teaching Award, Honorable Mention
2010	Faculty Development Award, University of Colorado-Denver
2008-2009	Columbia University Quantitative Methods in the Social Sciences, Research Fellows Program
2005-2006	Fellow, Columbia University, Institute for Social and Economic Research and Policy
2005; 2006	Junior Faculty Research Award, Columbia University
2005; 2007	Columbia University Earth Institute Award for Research Support
2004	<i>American Review of Public Administration</i> , Best Article Award (with Kimberley R. Isett)
2000-2001	Resources for the Future, Joseph L. Fisher Dissertation Fellowship
1999-2000	Arizona Hydrological Society Scholarship
1999-2000	Reitman Foundation Scholarship

## SERVICE

### Academic Community

2022	Midwest Political Science Association, Kenneth J. Meier Award Committee for Best 2021 Paper in Public Administration
2021-Present	North America Regional Coordinator, International Association for the Study of the Commons
2021-Present	Member, Steering Committee, California Bay Delta Social Science Community of Practice
2021-Present	<i>Politics &amp; Policy</i> , Editorial Advisory Board
2018-Present	<a href="#">Institutional Grammar Research Initiative</a> (IGRI) Member
2017-Present	<i>Journal of Environmental Policy and Planning</i> , Editorial Board Member
2009-Present	<i>Policy Studies Journal</i> , Editorial Board Member
2017-Present	External Advisory Group, Public Policy Textbook Series, Palgrave Publishing
2017-Present	Consortium on Collaborative Governance (University of Southern California, University of Colorado Denver, University of Washington, Syracuse University, University of Arizona), Core Faculty and Workshop Co-Organizer
2015-Present	Ostrom Workshop in Political Theory and Policy Analysis Affiliated Faculty and Working Group Member on Polycentricity, Indiana University
2009-Present	Regular reviewer for tenure and promotion cases at peer institutions (approximately 5 per year)
2001-Present	Regular reviewer for journals, academic presses, and funding agencies, including: National Science Foundation, Alfred P. Sloan Foundation, Columbia University Press, Resources for the Future Press, <i>Policy Studies Journal</i> , <i>Journal of Public Administration Research and Theory</i> , <i>Public Administration Review</i> , <i>Society and Natural Resources</i> , <i>Review of Policy Research</i> , <i>American Review of Public Administration</i> , <i>American Journal of Political Science</i> , <i>Journal of Policy Analysis and Management</i> , <i>Global Environmental Change</i> , <i>Journal of Environmental Management</i> , <i>Ecology and Society</i> , <i>Land Use Policy</i> , <i>Water Resources Research</i> , among others
2017-2020	<i>Public Administration Review</i> , Editorial Board Member
2018	Opponent and External Reviewer for Dissertation Defense, Anna Kukkonen, University of Helsinki
2018	External Reviewer, PhD Program in Environmental Science and Policy at the University of Miami Absess Center
2014-2018	Working Group on Polycentricity for the Workshop on the Workshop in Political Theory and Policy Analysis, Indiana University
2017-2018	Co-editor of Special Issue on Polycentricity, <i>Environmental Policy and Governance</i>
2013-2018	Working Group on Institutions, Behavior, and Policy Outcomes for the Workshop on the Workshop in Political Theory and Policy Analysis, Indiana University
2016-2017	Associate Editor, <i>Public Administration Review</i>

- 2012-2017 South Florida Water Sustainability and Climate, National Science Foundation Grant (#1204762) Steering Committee, Michael Sukop, PI
- 2017 Panelist, Workshop on the practical lessons from policy theories, School of Public Affairs, CU Denver, May 15-16, Denver, CO
- 2013-2016 Member, Executive Council, Environmental Policy Section of the American Political Science Association
- 2014-2016 Co-Coordinator, Colorado Collaborative Leadership Institute. Development and planning for training program on collaborative leadership in natural resource management in Colorado
- 2011-2016 American Geophysical Union, Hydrology Section, Water and Society Technical Committee
- 2016 Environmental Politics Workshop Co-Organizer, 12<sup>th</sup> Annual Graduate Conference in Political Science, International Relations, and Public Policy. Hebrew University of Jerusalem. December 13-16, Jerusalem
- 2016 International Association for the Study of the Commons, Review Committee for the XVI Biennial Conference
- 2016 Participated in a 2-day workshop on advancing the Advocacy Coalition Framework, Hosted by the University of Arizona's School of Public Policy, Tucson, AZ, February 2016.
- 2016 Program reviewer for proposed undergraduate program in public policy in the School of Public Policy, Oregon State University
- 2015 Co-organizer of workshop on comparative analysis of hydraulic fracturing politics in North America and Europe, held at the Swiss Federal Water Institute (EWAG), Zurich, Switzerland
- 2012 Participant: "Building Collaboration Capacity in Natural Resources", Colorado Symposium and Summit. November 15-16, University of Denver
- 2012 Environmental Governance Working Group – Intermountain West Initiative, Workshop Participant and Reviewer, Colorado State University
- 2011 National Science Foundation, Research Collaboration Network Workshop Participant. "Coupled Observation of the Water Environment: A National Survey Program." The Johnson Foundation, Racine, WI (October 6-8, 2011)
- 2010 National Center for Atmospheric Research, Early Career Scientists Assembly Participant
- 2010 Academy of Management. Annual Conference Paper Reviewer
- 2010 Program Reviewer. Masters of Science Program in Sustainability Management. Columbia University's School of Continuing Education
- 2009-2010 Workshop Co-Organizer and Special Issue Planning and Coordination. *Policy Studies Journal* issue on the Institutional Analysis and Development Framework
- 2006 Panel Discussant. Institutional Development of Water Resources in the American West. Seminar in Honor of Vincent Ostrom, Workshop in Political Theory and Policy Analysis, Indiana University

- 2007 Conference Participant: Measuring Success: Ecosystem Restoration in the 21st Century. Hosted by the University of Miami Center for Ecosystem Science and Policy, Miami, FL
- 2006 Program Reviewer. Fayetteville State University. Proposed Master's program in Environmental Studies
- 2005 National Research Council Workshop: "Public Participation in Environmental Assessment and Decision Making" The National Academies, Washington, DC
- 2004 Workshop on the Workshop in Political Theory III, Watersheds Working Group Coordinator. Indiana University, Bloomington, IN

Practitioner Community

- 2020-Present Member, Delta Independent Science Board (DISB), State of California Delta Stewardship Council. Responsibilities include oversight of the scientific research, monitoring, and assessment programs that support adaptive management of California's Sacramento-San Joaquin Delta.
- 2019 Co-organizer and facilitator, workshop on local shale development conflicts, CU Denver School of Public Affairs and Duke University Nicholas Institute, Denver, CO, November 15<sup>th</sup>.
- 2016-2018 Participant, Presenter, and Discussant for Dialogue Series on Energy Governance, The Aspen Institute, Aspen, CO (October, 2016; February 2017; June 2017; September 2017; March 2018; May 2018; August 2018; October 2018), funded by the Mitchell Foundation and Alfred P. Sloan Foundation
- 2018 Writing team for Aspen Institute Dialogue Report: "[Principled Governance of Shale Resources.](#)"
- 2018 Presenter, Public Policy and International Affairs (PPIA) Program, Diversity in Student Leadership Conference, Denver, CO, June 9<sup>th</sup>.
- 2017-2018 Social Science Mentor for Bronx High School Student, New York, NY
- 2017 Co-organizer and presenter, workshop on the politics of shale development in Colorado for community leaders and policymakers; co-hosted by the Wirth Chair in Sustainable Development and Workshop on Policy Process Research, August 10<sup>th</sup>
- 2016 Buechner Institute for Governance, First Friday Breakfast, Panel Organizer & Moderator (The Science of Hydraulic Fracturing)
- 2016 Buechner Institute for Governance, First Friday Breakfast, Panel Organizer & Moderator (Implementation of the Colorado Water Plan)
- 2016 Panelist for "The Future of Methane." Event hosted by the Wirth Chair in Sustainable Development, University of Colorado Denver, July 20
- 2015 Buechner Institute for Governance, First Friday Breakfast, Panel Organizer & Moderator (Colorado's New Water Plan)
- 2015 Lead coordinator and instructor for a practitioner training workshop on collaborative leadership in siting of contentious environmental issues in conjunction with the University Denver, Regis University, and Colorado State University in Glenwood Springs, CO, November 13-14

- 2015 Co-coordinator and instructor for a practitioner training workshop on collaborative leadership in community flood mitigation and response, in conjunction with the University Denver, CU Boulder, Regis University, and Colorado State University, Boulder, CO (April 9-10).
- 2014 Panelist, Colorado Leadership Forum, Luncheon Plenary Discussion: “Pioneering Spirit – Solutions for Water Management and Building Resiliency,” (September 12, 2014)
- 2013 Buechner Institute for Governance, First Friday Breakfast, Panel Moderator
- 2013 Co-coordinator and instructor for a practitioner training workshop on collaborative leadership in community wildfire mitigation, in conjunction with the University Denver and Colorado State University, Ft. Collins, CO
- 2012 Greenhouse Scholars (mentoring, scholarship and networking program for low-income, first-generation college students), Summer Symposium speaker
- 2009 Advisory Group. The Asia Society, New York, NY. For Report on “Asia’s Next Challenge: Securing the Region’s Water Future”
- 2007 US-United Nations Panel on U.S. Transboundary Water Resources, World Water Day
- 1998 Hatfield Institute for International Understanding: Facilitator for Western Water Policy Conference, Coos Bay, Oregon
- 1997 Groundwater Safe-Yield Task Force, AZ Dept. of Water Resources, Tucson Area

University of Colorado Denver

- 2010-Present Co-Director, [Workshop on Policy Process Research](#), School of Public Affairs
- 2016-Present Director, School of Public Affairs MPA Concentration in Environmental Policy, Management, and Law
- 2012-Present Ph.D. Program, School of Public Affairs, Preliminary Exam Committee
- 2012-Present Ph.D. Program Committee Member, School of Public Affairs
- 2018-Present Wirth Chair in Sustainable Development, Faculty Advisory Group
- 2021 CU Denver, Lynx Together, Research and Creative Activities Committee
- 2017-2021 Associate Dean’s Committee, University of Colorado Denver
- 2017-2021 Executive Committee, School of Public Affairs
- 2017-2021 Dean’s Committee, School of Public Affairs
- 2020 School of Public Affairs, Capstone Task Force Coordinator
- 2019 Primary Unit Review Committee for Tenure and Promotion, Department of Urban and Regional Planning
- 2018-2019 CU Denver selection committee Chancellor’s Distinguished Lecturer Series
- 2018-2019 Visiting scholar sponsor: Lin Difen, Xiamen University, China
- 2018 School of Public Affairs’ Anti-Racism Task Force
- 2018 Visiting scholar sponsor: Heather Campbell, Claremont Graduate University
- 2018 Visiting scholar sponsor: Nicolas Jager, Leuphana University, Germany

2016-2017 LETTS Committee, University of Colorado Denver

2016-2017 Budget and Priorities Committee, School of Public Affairs

2017 Chair, School of Public Affairs Committee to Develop New Policies on Review, Promotion, and Tenure Policy

2012-2015 Executive Committee, School of Public Affairs

2009-2015 Ph.D. Program, School of Public Affairs and Admissions Committee Member

2009-2015 School of Public Affairs Environmental Policy Working Group

2012-2015 Graduate School Faculty Council

2014; 2015 Selection Committee for the Campus-wide Research Award

2010-2015 Program Committee for Professional Master's Certificate Program in Water Management, Joint Program: School of Public Affairs and Civil Engineering, CU-Boulder

2014-2015 Co-convener and presenter for 4 policy roundtables on hydraulic fracturing in Colorado, with the Wirth Chair in Sustainable Development

2014 Buechner Institute for Governance, First Friday Breakfast, Panel Moderator

2014 MPA Program Sub-Committee for Course Review of Ethics and Leadership Course

2013-2014 Sustainability Research Network, University of Colorado Denver

2013-2014 Review, Tenure, and Promotion Committee, School of Public Affairs

2009-2014 IGERT Program in Sustainable Urban Infrastructure, Affiliated Faculty

2014 Chair, Walsh Dissertation Award Committee for the Science, Technology and Environmental Policy Section of the American Political Science Association

2013 External Reviewer: Doctoral Program, College of Public Affairs, and University of Baltimore

2013 Dean's Advisory Committee for Tenure Review, College of Architecture and Planning

2013 Advisor to Visiting Humphrey's Fellow, Liliana Pimemtel

2013 Advisor to Visiting Scholar, Sebastiao Castro, Federal University of Minas Gerais, Brazil

2012-2013 Advisor to Visiting Fulbright Scholar, Jarkko Levanen, University of Helsinki

2010-2013 Center for Sustainable Infrastructure Systems, Co-Associate Director

2009-2011 School of Public Affairs Comparative Public Administration Working Group

2011 Co-organizer of Workshop on International Comparative Public Administration

Columbia University

2009 Management Faculty Search Committee, School of International and Public Affairs

2008-2009 Columbia Water Center, Co-Founder and Associate Director

2008-2009 Earth Institute Academic Committee, Education Sub-Committee

2008-2009 New Building Planning, Research Working Group, School of Int'l & Public Affairs

2002-2009 Admissions Committee, MPA Program in Environmental Science and Policy

2006-2008 Earth Institute Sustainable Development Seminar Series, Panel Coordinator  
2008 Lecturer Review Committee, School of International and Public Affairs  
2006 Search Committee, Campus Director of Environmental Stewardship  
2006 Curriculum Review, Environmental Science and Policy Program, SIPA  
2004-2009 Earth Institute: Cross-Cutting Initiative on Water  
2005 Earth Institute: Conference Committee on the Scientific Lessons of Hurricane Katrina  
2004 Faculty Search Committee, MPA Program in Environmental Science and Policy

### **PROFESSIONAL ORGANIZATIONS**

American Political Science Association  
Association for Public Policy Analysis & Management  
American Society for Public Administration  
American Geophysical Union  
International Association for the Study of the Commons  
Midwest Political Science Association