

TANYA HEIKKILA, PHD
SCHOOL OF PUBLIC AFFAIRS
UNIVERSITY OF COLORADO DENVER

Phone: 303-315-2269 E-mail: tanya.heikkila@ucdenver.edu

ACADEMIC POSITIONS

2023-Present University of Colorado Denver, School of Public Affairs, MPP Program Director
2022-Present University of Colorado Denver, Co-Director, Center for Policy and Democracy
Spring 2022 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

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

RESEARCH FUNDING AND GRANTS

2024-2029 National Science Foundation. Dynamics of Integrated Socio-Environmental Systems (DISES): Building regional climate resilience and social equity through housing and land use policy. University of Colorado Denver. **PI: T. Heikkila**. Co-PIs: C. L. Makarewicz, B. Crawford, W. Marshall, and A. R. Troy. *Award Total \$1.8 Million.*

2023-2024 Lumina Foundation. Planning Grant: Rural Initiative for Climate Education. PI: P. Brown, Climate and Democracy Initiative; Co-PI: A. Duffy, Colorado State University; Co-PIs: **T. Heikkila** and C. Weible, Center for Policy and Democracy, University of Colorado Denver. *Award Total \$85,000*

2022-2024 University of Colorado Denver Grand Challenges. Building Democratic Communities. Award Totals 2022-23 = \$150,000; 2023-24 = \$163,000; PI: C. Weible; Co-PI: **T. Heikkila**, Climate and Democracy Concentration Co-Director.

2019-2023 National Science Foundation. Research Coordination Network (RCN). Coordinating and Advancing Analytical Approaches for Policy Design. Co-PIs: S. Siddiki, C. Schweik, E. Schlager, D. Rice, S. Frey; Senior Personnel: B. Bushouse, **T. Heikkila** and C. Weible. *Award Total \$461,854.*

2021-2022 National Science Foundation. Policy Innovation Labs. Sub-contract from Michigan Tech University (Adam Wellstead, lead PI). University of Colorado Denver PI **T. Heikkila**. *Award Total for CU Denver \$11,429.*

- 2020-2021 Alfred P. Sloan Foundation. Learning and Adapting from Crises in State Level Energy Sectors. **Co-PIs: T. Heikkila**, C. Weible, and A. 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: C. Weible and T. Heikkila**. *Award Total \$218,239.*
- 2017-2022 National Science Foundation. Collaborative Research: A Comparative Diagnosis of Policy Conflicts: Examining Unconventional Oil and Gas Development Across the United States. **Co-PIs: T. Heikkila** and C. Weible (CU Denver); H. Yi and R. 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: C. Weible and T. 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. **PIs: T. Heikkila** and C. 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 J. Litt; **Collaborators: T. Heikkila** and C. 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: T. Heikkila**. *Award Total \$4.7 million.*
- 2012-2014 Alfred P. Sloan Foundation. “The Politics of Shale Gas Development in the U.S.” Principal Investigators: **T. 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: T. 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. PI: Upmanu Lall; **Co-PI: T. Heikkila**. *Award total \$6 million.*
- 2005-2009 National Science Foundation. Boundary Conflicts, Collective Choice Institutions, and Conflict Resolution Mechanisms. **PIs: T. Heikkila** and E. 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: **T. 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. **PI: T. 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: **T. Heikkila**. *Award total: \$30,000.*
- 2004-2005 Alfred P. Sloan Foundation. Special Districts, Performance Measurement, and Citizen Involvement: An Exploration of Communication and Knowledge. **PIs: K. Isett and T. Heikkila**. *Award total \$45,000.*

BOOKS

1. **Heikkila, T.** and A. K. Gerlak. 2024. *Learning for Environmental Governance: Insights for a More Adaptive Future*. Cambridge Elements. Cambridge, UK: Cambridge University Press.
2. Cairney, P., **T. Heikkila**, and M. Wood. 2019. *Making Policy in a Complex World*. Cambridge Elements. Cambridge, UK: Cambridge University Press.
3. Siddiki, S., S. Espinosa, and **T. Heikkila**, eds. 2018. *Contextualizing Compliance in the Public Sector: Individual Motivations, Social Processes, and Institutional Design*. New York: Routledge Publishing.
4. C. M. Weible, **T. Heikkila**, K. Ingold, and M. Fischer eds. 2016. *Policy Debates on Hydraulic Fracturing: Comparing Coalition Politics in North America and Europe*. New York: Palgrave Macmillan.
5. Cohen, S., W. Eimicke and **T. Heikkila**. 2013. *The Effective Public Manager*, Fifth Edition. San Francisco: Jossey Bass.
6. Cohen, S., W. Eimicke and **T. Heikkila**. 2008. *The Effective Public Manager*, Fourth Edition. San Francisco: Jossey Bass.
7. Blomquist, W, E. Schlager, and **T. Heikkila**. 2004. *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

1. Hovis, M., Gerlak, A.K., **Heikkila, T.**, Rittelmeyer, P., Koebele, E., Méndez-Barrientos, L.E. and Lubell, M., 2024. "Illuminating the collective learning continuum in the Colorado River Basin Science-Policy Forums." *Environmental Policy and Governance*. Early View <https://doi.org/10.1002/eet.2125>
2. Rittelmeyer, P., Lubell, M., Hovis, M., **Heikkila, T.**, Gerlak, A., & Pozzi, T. 2024. "Knowledge is not power: Learning in polycentric governance systems." *Review of Policy Research*, 00, 1–22. <https://doi.org/10.1111/ropr.12606>
3. **Heikkila, T.**, A. Gerlak, and B. Smith. 2024. "Diagnosing individual barriers to collective learning: How governance contexts shape cognitive biases." *Journal of European Public Policy*. 31(7): 2026-2049. <https://doi.org/10.1080/13501763.2023.2251525>.
4. Kagan, J., **T. Heikkila**, C. M. Weible, D. Gilchrist, R. Berardo, and H. Yi. 2023. "Advancing scholarship on policy conflict through perspectives from oil and gas policy actors." *Policy Sciences*. Early View. <https://doi.org/10.1007/s11077-023-09502-9>
5. Bailey, K., H. Yi., **T. Heikkila**, and C.M. Weible. 2023. "Policy conflicts in shale development in China and the United States." *Review of Policy Research* 40:589-605.
6. You, J., Yordy, J., C. M. Weible, K. Park, K., **T. Heikkila**, & D. Gilchrist. 2023. "Comparing policy conflict on electricity transmission line sitings." *Public Policy and Administration*. 38(1): 107-127.
7. Weible, C.M., K. Olofsson, and **T. Heikkila**. 2023. "Advocacy coalitions, beliefs, and learning: An analysis of stability, change, and reinforcement." *Policy Studies Journal*. 51: 209-229. DOI: 10.1111/psj.12458
8. Kim, S., A. Wellstead, and **T. Heikkila**. 2023. "Policy Capacity and the Rise of Data-Based Policy Innovation Labs." *Review of Policy Research* 40: 341-362.
9. You, J., **T. Heikkila**, C. M. Weible, S. Kim, K. Park, J. Yordy, and S. L. Smolinski. 2022. "The distribution of conflict and attention across energy infrastructure." *Public Administration*. 1-22. <https://doi.org/10.1111/padm.12842>

10. **Heikkila, T.** and M. Jones. 2022. "The State of Diversity and Inclusiveness in Policy Process Theory." *Policy & Politics*. 50 (1): 21-42.
11. Chen, C., **T. Heikkila**, C. M. Weible, J. Yordy, H. Yi, R. Berardo, and J. Kagan. 2022. "Policy Composition and Adoption Duration: Capturing Conflict in the Legislative Process." *Policy Studies Journal* <https://doi.org/10.1111/psj.12457>
12. Yi, H., Weible, C.M., C. Chen, F. Holm, J. Yordy, R. Berardo, **T. Heikkila**, and J. Kagan. 2022. "Measuring Policy Conflict and Concord." *Society & Natural Resources*. 35(6):684-691. <https://doi.org/10.1080/08941920.2022.2029994>
13. You, J., C. M. Weible, & , **T. Heikkila**. 2022. Exploring instigator and defender policy scenarios in the siting of energy infrastructure. *Politics & Policy*, 50(1): 8-32 <https://doi.org/10.1111/polp.12442>
14. Siddiki, S., **T. Heikkila**, C.M. Weible, R. Pacheco-Vega, D. Carter, C. Curley, A. Deslatte, and A. Bennett. 2022. "Institutional Analysis with the Institutional Grammar." *Policy Studies Journal*. 50(2):315-339. (Paper awarded APSA Public Policy Section's Lowi Prize.)
15. **Heikkila, T.**, C. M. Weible, K. L. Olofsson, J. A. Kagan, J. You, J. Yordy. 2021. "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.
16. Weible, C.M. and **T. Heikkila**. 2020. "Connecting Cognitive and Behavioral Characteristics in Policy Conflicts." *International Review of Public Policy*. 2 (3): 1-20. <http://journals.openedition.org/irpp/1312>
17. Berardo, R., F. Holm, C. Chen, **T. Heikkila**, J. Kagan, C.M. Weible, H. Yi, & J. Yordy. 2020. "Hydraulic Fracturing and Political Conflict: News Media Coverage of Topics and Themes Across 15 States." *Energy Research and Social Science*. 70: 101660-.
18. You, J. , J. Yordy , K. Park , **T. Heikkila**, and C. M. Weible. 2020. "Policy conflicts in the siting of natural gas pipelines." *Journal of Environmental Policy & Planning*, 22(4): 501-517.
19. Weible, C. M., Yordy, J., **Heikkila, T.**, Yi, H., Berardo, R., Kagan, J., & Chen, C. 2020. "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>
20. Gerlak, A. K., **T. Heikkila**, and J. Newig. 2020. "Learning in environmental governance: opportunities for translating theory to practice," *Journal of Environmental Policy and Planning*, 22(5): 653-666.
21. 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. 2020. "COVID-19 and the policy sciences: initial reactions and perspectives." *Policy Sciences*, pp.1-17.
22. **Heikkila, T.**, C.M. Weible, and A.K. Gerlak. 2020. "When Does Science Persuade (or Not Persuade) in High Conflict Policy Contexts." *Public Administration*, 98: 535-550.
23. Yordy, J., J. You, K. Park, C.M. Weible, and **T. Heikkila**. 2019. "Framing Contests and Policy Conflicts over Gas Pipelines." *Review of Policy Research*, 36(6): 736-756.
24. Gerlak, A., **T. Heikkila**, S. Smolinski, D. Armitage, D. Huitema, and B. Moore. 2019. "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.
25. **Heikkila, T.**, R. Berardo, C.M. Weible, and H. Yi. 2019. "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.
26. **Heikkila, T.**, and A. Gerlak. 2019. "Working on Learning: How the Institutional Rules of Environmental Governance Matter." *Journal of Environmental Planning and Management*. 62(1): 106-123.

27. Olofsson, K. L., J. Katz, D. P. Costie, T. Heikkila, and C. M. Weible. 2018. "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.
28. Carter, D., T. Heikkila, and C. Weible. 2018. "How Participant Values Influence Reasons for Pursuing Voluntary Programme Membership." *Public Administration*. 96(4): 787-802.
29. 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. 2018. "Facilitating Integration in Interdisciplinary Research: Lessons from a South Florida Water, Sustainability, and Climate Project." *Environmental Management*. 62(6): 1025-1037.
30. Heikkila, T., and C.M. Weible. 2018. "A Semi-Automated Approach to Analyzing Polycentricity." *Environmental Policy and Governance*. 28(4): 308-318.
31. Heikkila, T., and K. Andersson. 2018. "Policy Design and the Added Value of the Institutional Analysis and Development framework." *Policy and Politics*. 46(2): 309-324.
32. Weible, C.M., T. Heikkila, and J. Pierce. 2018. "Understanding Rationales for Collaboration in High-intensity Policy Conflicts." *Journal of Public Policy*. 38(1): 1-25.
33. Olofsson, K., C. M. Weible, T. Heikkila, and J.C. Martel. 2018. "Using Nonprofit Narratives and News Media Framing to Depict Air Pollution in Delhi, India." *Environmental Communication*. 12(7): 956-972.
34. Gerlak, A.K., T. Heikkila, S. Smolinski, D. Huitema, and D. Armitage. 2018, "Learning our way out of environmental policy problems: A Review of the Scholarship." *Policy Sciences*. 51(3): 335-371.
35. Heikkila, T., and C.M. Weible. 2017. "Unpacking the Intensity of Policy Conflict: A Study of Colorado's Oil and Gas Subsystem." *Policy Sciences*. 50(2): 179-193.
36. Weible, C.M., and T. Heikkila. "Policy Conflict Framework." 2017. *Policy Sciences*. 50(1): 23-40.
37. Heikkila, T., C.M. Weible, and K. Olofsson. 2017. "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.
38. Heikkila, T. "Evidence for Tackling the Complexities of Water Governance." 2017. *Public Administration Review*. 77(1): 7-20.
39. Weible, C. M., T. Heikkila, and D. P. Carter. 2017. "An Institutional and Opinion Analysis of Colorado's Hydraulic Fracturing Disclosure Policy." *Journal of Environmental Policy & Planning*. 19(2): 115-134.
40. Blair, B., T. Heikkila, and C. Weible. 2016. "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.
41. Blair, B., C. Weible, T. Heikkila, and D. Evensen. 2016. "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.
42. Weible, C. M., and T. Heikkila. 2016. "Comparing the Politics of Hydraulic Fracturing in New York, Colorado, and Texas." *Review of Policy Research*. 33(3): 232-250.
43. Weible, C. M., K. Olofsson, D. Costie, J. Katz, and T. Heikkila. 2016. "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.
44. Feiock, R., C. Weible, D. Carter, C. Curley, A. Deslatte, and T. Heikkila. 2016. "Capturing Structural and Functional Diversity through Institutional Analysis: The Mayor Position in City Charters." *Urban Affairs Review*. 52(1): 129-150.
45. Heikkila, T., and A. Gerlak. 2016. "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/>)

46. Blair, B., C. Weible, **T. Heikkila**, and L. McCormack. 2015. "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.
47. Berardo, R., **T. Heikkila**, and A. Gerlak. 2014. "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.
48. Gallaher, S., and **T. Heikkila**. 2014. "Challenges and Opportunities for Collecting and Sharing Data on Water Governance Institutions." *Journal of Contemporary Water Research and Education*. 153(1): 66-78.
49. **Heikkila, T.** J. Pierce, S. Gallaher, J. Kagan, D. A. Crow, and C. M. Weible. 2014. "Understanding a Period of Policy Change: The Case of Hydraulic Fracturing Disclosure Policy in Colorado." *Review of Policy Research*. 31(2): 65-87.
50. **Heikkila, T.**, A. Gerlak, A. Bell, and S. Schmeier. 2013. "Adaptation in a Transboundary River Basin: Linking Stressors and Adaptive Capacity within the Mekong River Commission." *Environmental Science and Policy*. 25: 73-82.
51. **Heikkila, T.**, and A. Gerlak. 2013. "Building a Conceptual Approach to Collective Learning: Lessons for Public Policy Scholars." *Policy Studies Journal*. 41(3): 484-512.
52. Eneas da Silva, O. F., **T. Heikkila**, A. de Souza e Filho, and D. Costa. 2013. "Developing Sustainable and Replicable Water Supply Systems in Rural Communities in Brazil." *International Journal of Water Resources Development*. 29(4): 622-635.
53. Gallaher, S., **T. Heikkila**, W. Patterson, V. Frank, and C. Weible. 2013. "Adapting Water Policy Tools to New Issues: Lessons from Colorado's Experience over Time." *Water Policy*. 15(1): 43-60.
54. Schlager, E., **T. Heikkila**, and C. Case. 2012. "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).
55. Ramaswami, A., C. M. Weible, D. Main, **T. Heikkila**, S. Siddiki, A. Duvall, and M. Bernard. 2012. "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.
56. **Heikkila, T.**, and E. Schlager. 2012. "Addressing the Issues: The Choice of Environmental Conflict-resolution Venues in the United States." *American Journal of Political Science*. 56 (4): 774-786.
57. Weible, C., **T. Heikkila**, P. de Leon, and P. Sabatier. 2012. "Understanding and Influencing the Policy Process." *Policy Sciences*. 45: 1-21.
58. 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. 2012. "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.
59. Fitzpatrick, J., M. Goggin, **T. Heikkila**, D. Klingner, J. Machado, and C. Martell. 2011. "A New Look at Comparative Public Administration: Trends in Research and an Agenda for the Future." *Public Administration Review*. 71(6): 821-830.
60. Gerlak, A., and **T. Heikkila**. 2011. "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.

61. Schlager, E., and **T. Heikkila**. 2011. "Left High and Dry? Climate Change, Common-Pool Resource Theory, and the Adaptability of Western Water Compacts." *Public Administration Review*. 71(3): 461-470.
62. **Heikkila, T.**, E. Schlager, and M.W. Davis. 2011. "The Role of Cross-Scale Institutional Linkages in Common Pool Resource Management: Assessing Interstate River Compacts." *Policy Studies Journal*. 39(1): 121-145.
63. Fischhendler, I., and **T. Heikkila**. 2010. "Does Integrated Water Resources Management Support Institutional Change? The Case of Water Policy Reform in Israel." *Ecology and Society*. 15(1): 4.
64. Schlager, E., and **T. Heikkila**. 2009. "Resolving Water Conflicts: A Comparative Analysis of Interstate River Compacts." *Policy Studies Journal*. 37(3): 367-392.
65. Lall, U. **T. Heikkila**, C. Brown and T. Siegfried. 2008. "Water in the 21st Century: Defining the Elements of Global Crises and Potential Solutions." *Journal of International Affairs*. 61(2): 1-17.
66. **Heikkila, T.**, and K. R. Isett. 2007. "Citizen Involvement and Performance Management in Special-Purpose Governments." *Administration Review*. 67(2): 237-247.
67. Gerlak, A. K., and **T. Heikkila**. 2007. "Collaboration and Institutional Endurance in U.S. Water Policy." *PS: Political Science and Politics*. (January) 55-60.
68. Gerlak, A.K., and **T. Heikkila**. 2006. "Comparing Collaborative Mechanisms in Large-Scale Ecosystem Governance." *Natural Resources Journal*. 46.
69. **Heikkila, T.**, and A. K. Gerlak. 2005. "The Formation of Large-scale Collaborative Resource Management Institutions: Clarifying the Roles of Stakeholders, Science, and Institutions." *Policy Studies Journal*. 33(4): 583-612.
70. Blomquist, W., **T. Heikkila**, and E. Schlager. 2004. "Building the Agenda for Institutional Research in Water Resource Management." *Journal of the American Water Resources Association* (August): 925-936.
71. **Heikkila, T.**, and K. R. Isett. 2004. "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.)
72. **Heikkila, T.** 2004. "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.
73. **Heikkila, T.** 2003. "Coordination in the Management of Water Resources: Understanding the Role of Property Rights Institutions." *Water Policy*. 5(4): 331-348.
74. Williams, B. L., H. K. Suen, S. E. Raza, **T. Heikkila**, and M. Pennock-Roman. 2003. "Diffusion of US Army Chemical Weapons Disposal Technologies: Public Perception of Technology Attributes." *Journal of Environmental Planning and Management*. 46(4): 499-522.
75. Blomquist, W., **T. Heikkila**, and E. Schlager. 2001. "Institutions and Conjunctive Water Management among Three Western States." *Natural Resources Journal*. 43(1): 653-683.

EDITED SPECIAL ISSUES OF JOURNALS

1. Gerlak, A., and **T. Heikkila**. 2019. "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.
2. **Heikkila, T.**, S. Villamayor-Tomas, and D. Garrick. 2018. "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

1. Cairney, P. and **T. Heikkila**. 2023. "How Should We Compare Theories of the Policy Process." Chapter 8 in *Theories of the Policy Process*, Fifth Edition. Christopher M. Weible ed., New York, NY: Routledge, pp. 291-321.
2. Wolton, L.P., D. A. Crow, & T. Heikkila. 2022. "[Stepping Forward: Towards a More Systematic NPF with Automation.](https://doi.org/10.15788/npf3)" In *Narratives and the Policy Process: Applications of the Narrative Policy Framework*, Michael D. Jones, Mark K. McBeth, and Elizabeth A. Shanahan (eds.), Montana State University Press. <https://doi.org/10.15788/npf3>
3. **Heikkila, T.** and A. Gerlak. 2022. "Learning" in *Handbook on Theories of Governance*, 2nd Edition. Christopher Ansell and Jacob Torfing, eds. Cheltenham, UK: Edward Elgar. pp. 244-253.
4. Wellstead, A. **T. Heikkila**, and M. Wood. 2022. "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.
5. **Heikkila, T.** 2019. "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.
6. Koontz, T., **T. Heikkila**, D. Garrick, and S. Villamayor-Tomas. 2019. "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.
7. Siddiki, S., **T. Heikkila**, and S. Espinosa. 2018. "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.
8. **T. Heikkila** and E. Schlager. 2018. "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.
9. **T. Heikkila**, S. Espinosa, and S. Siddiki. 2018. "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.
10. **Heikkila, T.** and P. Cairney. 2017. "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.
11. Weible, C. and **T. Heikkila**. 2017. "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.
12. **Heikkila, T.** and A. Gerlak. 2016. "Learning and Governance" in *Handbook on Theories of Governance*, Christopher Ansell and Jacob Torfing, eds. Cheltenham, UK: Edward Elgar. pp. 236-244.
13. **Heikkila, T.**, and C. Weible. 2016. "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.
14. Weible, C., **T. Heikkila**, K. Ingold, and M. Fischer. 2016. "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.
15. Ingold, K., M. Fischer, **T. Heikkila**, and C. Weible. 2016. "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.

16. Weible, C., **T. Heikkila** and J. Pierce. 2015. "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.
17. **Heikkila, T.**, and **D. Carter**. 2015. "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).
18. **T. Heikkila** and A. Gerlak. 2015. "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.
19. Pierce, J., C. Weible and **T. Heikkila**. 2014. "Hydraulic Fracturing" in *Science and Politics: An A-to-Z Guide to Issues and Controversies*, Brent S. Steel, ed., CQ Press, pp. 294-299.
20. **Heikkila, T.**, C. Weible and J. Pierce. 2014. "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.
21. Cairney, P. and **T. Heikkila**. 2014. "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.
22. Schlager, E. and **T. Heikkila**. 2014. "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.
23. Lubell, M., A. Gerlak, and **T. Heikkila**. 2013. "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.
24. **Heikkila, T.** and A. Gerlak. 2012. "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.
25. Gerlak, A. **T. Heikkila** and M. Lubell. 2012. "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.
26. Schlager, E. and **T. Heikkila**. 2012. "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.)
27. **Heikkila, T.** 2007. "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.
28. **Heikkila, T.** and K.R. Isett. 2007. "Developing a Model of Institutional Choice: The Advantages of a Cross-Disciplinary Approach." In *Institutionalism* (Peters and Pierre eds.). San Francisco: Sage.

BOOK REVIEWS

1. **Heikkila, T.** 2017. Review of *Water Policy Reform in Southern Alberta: An Advocacy coalition Approach*. Timothy Heinmiller. In *Review of Policy Research*. 34(5): 725-726.
2. **Heikkila, T.** 2015. 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.

3. **Heikkila, T.** 2010. "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.
4. **Heikkila, T.** 2005. 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.
5. **Heikkila, T.** 2002. 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

1. Dekens, J., B. Harvey, A. Gerlak, and **T. Heikkila**. "[How to Integrate Learning into Climate Adaptation Policy Processes](#)." NAP Global Network, March 21st 2024.
2. Weible, C., K. L. Olofsson, and **T. Heikkila**. 2024. "[Advocacy Coalitions, Beliefs, and Learning: An Analysis of Stability, Change, and Reinforcement](#)." *Policy Studies Journal Blog*. Feb. 21st.
3. **T. Heikkila**. 2023. "[Too Much Review of Energy Projects Hurts the People It Is Meant to Help](#)." *The Colorado Sun*, July, 8th.
4. Gerlak, A., and **T. Heikkila**. 2023. "[Navigating the Colorado River Crisis: It's Time for the Federal Government to Step Up](#)." *The Hill*, February, 7th.
5. **Heikkila, T.**, C.M. Weible, A. Osei-Kojo, and A. Pickle. 2022. "[Opinion: COVID opened the door to new energy thinking. We haven't stepped through it](#)." *The Colorado Sun*, March 1st.
6. 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*.
7. **Heikkila, T.** and M. Jones. 2022. "[How Diverse and Inclusive are Policy Process Theories?](#)" *Policy and Politics Journal Blog Post*. January 26th.
8. Kagan, J.A., R. Berardo, **T. Heikkila**, C. Weible, H. Yi, J. Yordy, and C. Chen. 2021. "Perceptions of Oil and Gas Development Policies and Politics in the U.S.: 2020 Survey Report." Report available at <https://shalepolicyconflict.org>.
9. Heikkila, T, A. Osei-Kojo, A. Pickle, and C. Weible. 2021. "[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.
10. You, J., **T. Heikkila**, C.M. Weible, K. Park, S. Smolinski, and J. Yordy. 2021. "Policy Conflict in Energy Infrastructure Siting in the U.S." Denver, CO, School of Public Affairs. <http://digital.auraria.edu/IR00000293/00001>
11. Lubell, M. and **T. Heikkila**. 2020. "[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 5th.
12. **Heikkila, T.** and K. Andersson. 2017. "[How to Navigate Complex Policy Designs](#)." Guest Bog Post for Paul Cairney: Politics & Public Policy. August 18th.
13. Olofsson, K., **T. Heikkila** and C. M. Weible. 2017. "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.
14. Olofsson, K., **T. Heikkila** and C. M. Weible. 2016. "A Summary Report of a 2016 Survey of the Politics of Oil and Gas Development using Hydraulic Fracturing in the United States." Published November 30th, School of Public Affairs University of Colorado Denver.

15. **Heikkila, T.** and C. Weible. 2015. "A Summary Report of a 2015 Survey of the Politics of Oil and Gas Development that Uses Hydraulic Fracturing in Colorado." Published July 24th, School of Public Affairs University of Colorado Denver.
16. **Heikkila, T.** and C. Weible. 2015. "New York's fracking ban could fuel the intensity of the debate in Colorado." *The Denver Post*. D1, January 18.
17. Weible, C. and **T. Heikkila**. 2014. "Fracking Resolution in New York – Escalation of Fracking Politics across the Nation." *The Conversation*, Dec. 22nd.
18. **Heikkila, T.** and C Weible. 2014. "How Can Europe and the world Learn from the Development of Shale Gas in the U.S.?" *Comment Visions*.
19. Blair, B., C. Weible, **T. Heikkila**, D. Evensen, and S. Gallaher. 2014. "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.
20. Gallaher, S., J. Pierce, C. Weible, J. Kagan, **T. Heikkila**, and B. Blair. 2014. "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.
21. **Heikkila, T.**, C. M. Weible, J. Pierce, S. Gallaher, J. Kagan, and B. Blair. 2014. "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.
22. 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.
23. Weible, C., **T. Heikkila**, and B. Gerber. 2013. *Lessons on Learning from a Public Forum Hydraulic Fracturing*. Buechner Institute for Governance Report, May 2013.
24. **T. Heikkila**, F. Osny Eneas da Silva, D. Stellar, F. de Assis de Souza Filho, S. Tress, U. Lall. 2012. "Designing Sustainable and Scalable Water Supply Systems: Evidence and Lessons from Northeast Brazil." The Columbia Water Center. Columbia University Earth Institute.
25. **Heikkila, T.** and A. Gilmore. 2005. "Improving Cambodia's Water Supplies through Creative
26. Williams, B. and **T. Heikkila**. 2002. "Future site land use preferences: U.S. Department of Energy Nuclear Facilities." Report 68 of the Social and Economic Impacts Center of CRESPI.
27. **Heikkila, T.**, C. Sutton and K. Gonzales, eds. 1999. *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*.
28. Emerson, K., R. Yarde, and **T. Heikkila**, eds. 1997. *Environmental Conflict Resolution in the West: Conference Proceedings, Environmental Conflict Resolution Program*, Udall Center for Studies in Public Policy, University of Arizona. December 1997.

INVITED TALKS, PANELS, AND SEMINARS

Underline denotes student co-presenter

2024

1. Gerlak, A. and **T. Heikkila**. Invited Speakers. "Learning for Environmental Governance: Insights for a more adaptive, transformative future." Presented to the PECS Collaborative Working Group Webinar, August 19th.
2. **Heikkila, T.** Invited Speaker. "Breaking Down Barriers to Learning for Adaptive Water Governance." 18th Annual HydroSciences Student Symposium. University of Colorado Boulder, April 11-12th.
3. **Heikkila, T.** Invited Speaker. "Connecting the Drops: Managing Water for a Changing Future." Presented at the Western Slope Conservation Center Annual Membership Meeting, Hotchkiss, Colorado, March 24th.

4. **Heikkila, T.**, Panelist. “Navigating the Rapids: Colorado River Governance in the 21st Century.” Colorado River Symposium, University of Arizona, Tucson, Feb. 15th.
 5. **Heikkila, T.** “Learning in Environmental Governance: Lessons for Research and Practice” Presented at the International Public Policy Association, Winter School, Jan. 31.
- 2023
1. **Heikkila, T.** “Breaking Down Barriers to Learning in Environmental Governance” Presented at the Public Administration Program (PUBA) at the University of Hawai‘i at Mānoa. April 3rd.
- 2022
2. **Heikkila, T.** Panelist, “Water Drought, the Economy, and the Hope for Collaboration”, Industry Discussion Session at the 58th Annual Colorado Business Economic Outlook, 2022. Leeds School of Business, Denver, CO, December 5th
 3. **Heikkila, T.**, Panelist, Keynote Session: “[A Critical Moment, Protecting, Strengthening, and Advancing Democracy](#)” Association of Public and Land-Grant Universities Annual Meeting, Denver, CO, Nov. 8th
 4. **Heikkila, T.** “[Adaptive Governance](#).” State of California, Delta Science Program, Delta Stewardship Council, Webinar Series: *What is Delta Governance Anyway?* Online, May 5th, 2022.
 5. **Heikkila, T.** “[Unpacking Policy Conflict: Lessons from Oil and Gas Policy Debates](#).” *The Payne Institute*, Colorado School of Mines, April 19th.
- 2021
6. **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.
 7. 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
8. **Heikkila, T.** and C. Weible. “Exploring Contention in Oil and Gas Policy Contexts.” Presented at the [Colorado Energy Research Collaboratory Webinar Series. October 22nd](#).
 9. 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 8th](#).
 10. **Heikkila, T.** and C. Weible. “Exploring Contentiousness in Oil and Gas Policy Contexts.” Presented to the American Petroleum Institute Webinar, August, 20th.
 11. **Heikkila, T.** and C. Weible. “[Targeted Action Situations of Environmental Governance](#).” Presented to the Institutional Grammar Research Initiative (IGRI) Research Webinar, May 8th.
 12. **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 31st, Davis, CA.
- 2019
13. **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 23rd, University of California Davis, Davis, CA.
 14. **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 4th, Golden, CO.
 15. **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 12th, Bloomington, Indiana.
 16. **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 8th, Tucson, AZ.

17. **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

18. 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/)
19. **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.
20. **Heikkila, T.** "Understanding and Analyzing Policy Conflicts." Presented at the School of Government and Public Policy, University of Arizona, Jan. 30, Tucson, AZ.
21. **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

22. **Heikkila, T.** "Colorado Water Policy: Past, Present, Future." Presented to the Colorado Student Leadership Institute, July 18, University of Colorado Denver.
23. **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

24. **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.
25. **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.
26. **Heikkila, T.** "Colorado Water Policy: The Why, What, Who, and How." Presented to the Colorado Student Leadership Institute, August 3rd. University of Colorado Denver.
27. **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.
28. **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

29. **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.
30. 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.
31. **Heikkila, T.** "Analyzing the Politics of Hydraulic Fracturing in Colorado." Presented at the AirWaterGas Teachers in Residence Training, July 17, Boulder, CO.
32. **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.

33. **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.
34. **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.
35. 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.
36. 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

37. **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.
38. **Heikkila, T.** "The Politics of Hydraulic Fracturing." University of Colorado Denver, Graduate School 'Mini-School.' October, 16, 2014, Denver, Colorado.
39. **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,
40. **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.
41. Weible, C. and **Heikkila, T.** "Policy Process Research: Comparative Opportunities and Challenges." Tsinghua University School of Public Policy and Management, Beijing, China. July 15.
42. **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.
43. **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

44. **Heikkila, T.** "Exploring the Politics of Shale Gas Development." Presented at the Workshop on Shale Gas Development, The Baker Institute, Rice University, October 18.
45. **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.
46. **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

47. **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 15th Annual Travers Conference on Ethics and Accountability, University of California Berkeley, March 2.

2011

48. **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.

49. **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.
50. **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 27th, Columbia University, New York.

2010

51. **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.
52. **Heikkila, T.** “Resolving Conflicts Between States Through Interstate Compacts.” Presentation for Colorado State University, Interdisciplinary Water Resources Seminar, Fort Collins, Colorado. Sept. 23.
53. **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

54. **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

55. 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.
56. **Heikkila, T.** “Resolving River Basin Conflicts in the Western United States.” Presented at the Companhia de Gestao dos Recursos Hidricos (COGERH), Fortaleza, Brazil.
57. **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.
58. 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.
59. 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

60. **Heikkila, T.** “The Political Pitfalls of Integrated Water Resource Management (IWRM)” Presented at CAIWA Workshop on IWRM Theory & Practice, Basel Switzerland.
61. Lall, U., **T. Heikkila, T.** Siegfried, C. Brown, H. Kwon, and A. Souza Filho. “Global Water Sustainability: A Research Agenda for Meeting the 21st Century Challenge.” Columbia University Earth Institute Spring Seminar on Sustainable Development, April, New York.

2006

62. **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

63. **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

64. **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.
65. 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.
66. **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.

SELECTED CONFERENCE PAPERS/PRESENTATIONS (LAST 5 YEARS)

Underline denotes student co-author

2023

1. **Heikkila, T.** "Training Students in Policy Design for an Evolving Public Service Context." NASPAA Annual Conference, Pittsburgh, PA, Oct. 11-13th.
2. M. Hovis, A. K. Gerlak., and **T. Heikkila.** "Illuminating the Collective Learning Continuum in the Colorado River Basin Science-Policy Forums." Presented at the European Consortium on Political Research Conference. Charles University, Prague, Sept. 4-8.
3. Kim, S., **T. Heikkila,** and A. M. Wellstead. "Policy Learning in Data-Based Policy Innovation Labs." Conference on Policy Process Research, Denver, CO, January 11-12.
4. Fullerton, A.H., E. Koebele, **T. Heikkila,** D. Nohrstedt, and C.M. Weible. "Antecedents of Policy Change: Advancing the Advocacy Coalition Framework's Theory and Methods." Conference on Policy Process Research, Denver, CO, January 11-12.

2022

1. **Heikkila, T.** and C. M. Weible. "Outcome Perceptions in Policy Conflicts." Presented at the European Consortium on Political Research, Annual Conference, Innsbruck, Austria, August 22-26th.
2. Fullerton, A. H., E. Koebele, **T. Heikkila,** D. Nohrstedt, and C. M. Weible. "Antecedents of Policy Change: Advancing the Advocacy Coalition Framework's Theory and Methods." Presented at the European Consortium on Political Research, Annual Conference, Innsbruck, Austria, August 22-26th.
3. **Heikkila, T.,** A. Gerlak, and B. Smith. "Breaking Down the Barriers to Learning in Governance Processes." Presented at the IWPP3 Workshop on Public Policy, Budapest, Hungary, June 28-30th.

2021

4. 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.
5. Kagan, J., **T. Heikkila,** C. Weible, R. Berardo and H. Yi. "Probing the Sources, Characteristics, and Effects of Policy Conflicts." Virtually presented at the 13th Interpretive Policy Analysis Conference, June 30th
6. 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 6th.

2020

7. **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.
8. 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

9. 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.
10. 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.
11. 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, Berlin, Germany, September 8-10.
12. 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.
13. 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.
14. 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.
15. 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

16. 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.
17. 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.
18. **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.
19. 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.

TEACHING

Graduate Courses

2021-2024	Seminar in Policy and Democracy, PUAD 6600, CU Denver
2024	Advanced Seminar/Capstone in Public Affairs, MPA and MPP Sections CU-Denver
2010-2021	Doctoral Seminar in the Conduct of Empirical Inquiry, PAD 8060, CU-Denver
2009-2021	Seminar in Environmental Politics and Policy, PAD 5631, CU-Denver
2017; 2019	Seminar in Environmental Politics and Policy, <u>Online</u> 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

2024 Policy Conflicts Workshop Instructor. International Public Policy Association, Winter School, Aussois France.
 2022 Policy Process Mini Workshop, Co-Instructor, CU Denver Mandela Washington Fellowship Program
 2021 Introduction to Institutional Analysis, Institutional Grammar Research Initiative Summer Course
 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

2015-2024 Water Utility Management, CU Boulder Civil Engineering
 2024 Diploma in Climate Medicine Program, University of Colorado School of Medicine
 2022 Conflict and Cooperation in International River Basins, Swiss Federal Institute of Technology in Zurich (ETHZ)
 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
 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, Columbia 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
34. Kristin Wegner, CU Denver **(Chair)***, Defended 2022
35. Jongeun You, School of Public Affairs, CU Denver, Defended 2022
36. Sojeong Kim, School of Public Affairs, CU Denver **(Chair)***, Defended 2022
37. Hailey Powers, School of Public Affairs, CU Denver, Defended 2022
38. Stephanie Bultema, School of Public Affairs, CU Denver **(Chair)***, Defended 2022
39. Manli Zhang, School of Public Affairs, CU Denver, Defended 2023
40. Samantha Temple, School of Public Affairs, CU Denver, Defended 2023
41. Kayla Gabehart, School of Public Affairs, CU Denver, Defended 2024
42. Aerang Nam, School of Public Affairs, CU Denver, Defended 2024

Current Dissertation Committees

43. Jill Yordy, School of Public Affairs, CU Denver
44. Kathleen Bailey, School of Public Affairs, CU Denver **(Chair)***
45. Joel Benson, School of Public Affairs, CU Denver **(Chair)***
46. Crystal Soderman, School of Public Affairs, CU Denver

47. Allegra Fullerton, School of Public Affairs, CU Denver
48. Nathan Jeschke, School of Public Affairs, CU Denver

Master's Thesis Committees

49. Samuel Gallaher, School of Public Affairs, CU Denver, Defended 2011 **(Chair)***
50. Christine, Ceclione, Department of Communication, CU Denver, Defended 2012
51. J.C. Martel, School of Public Affairs, CU Denver, Defended 2013
52. Rebecca Greenberg, School of Public Affairs, CU Denver, Defended 2015 **(Chair)***
53. Stephen Self, School of Public Affairs, CU Denver, Defended 2015 **(Chair)***
54. Jack Wold-McGimsey, School of Public Affairs, CU Denver, **(Chair)***

HONORS and AWARDS

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| 2023 | American Political Science Association, Public Policy Section's Lowi Prize for best paper |
| 2018-2022 | University of Stirling, Honorary Professor within the Faculty of Arts and Sciences |
| 2021 | School of Public Affairs, Excellence in Faculty Service & Leadership Award |
| 2020 | 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

University of Colorado Denver

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| 2024 | Search Committee, Latino Research and Policy Center Executive Director |
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2024 Inclusive Excellence Network

2022-2023 Building Democratic Communities Grand Challenge, Climate and Democracy Working Group, Co-Lead

2022; 2024 Vice Chancellor's Advisory Committee for Reappointment, Tenure, and Promotion, University of Colorado Denver

2016-Present Director, School of Public Affairs MPA Concentration in Environmental Policy and Management

2010-2022 Co-Director, [Workshop on Policy Process Research](#), School of Public Affairs

2012-2022 Ph.D. Program, School of Public Affairs, Preliminary Exam Committee

2012-2022 Ph.D. Program Committee Member, School of Public Affairs

2018-2023 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

Academic Community

2024 American Political Science Association, Public Policy Section, Nomination Committee for the Governing Council
 2024-2025 Organizing Sub-Committee, Public Policy and the Commons Theme for the 2025 International Association for the Study of the Commons Annual Meeting
 2023-2024 Organizing Committee, Reimagining the State in Governing the Commons Workshop, Ostrom Workshop, Bloomington, IN, June 22-23, 2024
 2023-2026 Advisory Committee, Collective Stakeholder Action for Commons: Integrating business-stakeholder value creation with polycentric governance – Action4Commons Academy of Finland, Research Council for Culture and Society, PI: Laura Albareda
 2023-2024 Organizing Committee, Conference on Policy Process Research, Syracuse, NY
 2022-2024 External Advisor, Action4Commons Research Program, Lampeenranta University/Tampere University, Finland
 2022-2023 Co-Organizer, Conference on Policy Process Research, Denver, CO, Jan. 12-14
 2022 Interviewed for the [Policy Studies Journal Podcast](#), providing advice to graduate students and young scholars. “The Public Policy Podcast: Episode 2: A Conversation with Dr. Tanya Heikkila”.
 2022 Midwest Political Science Association, Kenneth J. Meier Award Committee for Best 2021 Paper in Public Administration
 2021-2024 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 *Politics & Policy*, Editorial Advisory Board
 2018-Present [Institutional Grammar Research Initiative](#) (IGRI) Member
 2017-Present *Journal of Environmental Policy and Planning*, Editorial Board Member
 2009-Present *Policy Studies Journal*, Editorial Board Member
 2017-Present External Advisory Group, Public Policy Textbook Series, Palgrave Publishing
 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, *Policy Studies Journal*, *Policy and Politics*, *Policy Sciences*, *Journal of Public Administration Research and Theory*, *Public Administration Review*, *Society and Natural Resources*, *Review of Policy Research*, *American Review of Public Administration*, *American Journal of Political Science*, *Journal of Policy Analysis and Management*, *Global Environmental Change*, *Journal of Environmental Management*, *Ecology and Society*, *Land Use Policy*, *Water Resources Research*, among others
 2021 National Science Foundation Review Panelist
 2017-2020 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

2017-2020 *Public Administration Review*, 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 Abess 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, *Environmental Policy and Governance*

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, *Public Administration Review*

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, 12th 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 Participant, 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 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
- 2021-2024 State of California Delta Stewardship Council, Delta Science Program, Salinity Management Workshop, Planning Team Member and Panel Moderator
- 2024 Colorado Student Leaders Institute (COSLI), Guest Speaker, "Building Adaptive Water Policy for a Changing Climate." July 11th.
- 2022-2023 Adaptive Management Forum, Planning Committee and Panel Moderator, State of California, Delta Science Program
- 2022-2023 Rehearsal Judge, East High School, Constitutional Law Program
- 2022 Panelist, "Water Drought, the Economy, and the Hope for Collaboration", Industry Discussion Session at the 58th Annual Colorado Business Economic Outlook, 2023. Leeds School of Business, December 5th
- 2017-2021 Speech and Debate Volunteer Judge, Colorado High School Speech and Debate Tournaments
- 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 15th
- 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 9th
- 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 10th
- 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

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