

SARA MEEROW

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CURRENT APPOINTMENT

Arizona State University

- 2022-present *Associate Professor*, School of Geographical Sciences and Urban Planning
Senior Global Futures Scientist, Julie Ann Wrigley Global Futures Laboratory
Affiliated Faculty, Urban Climate Research Center
- 2017-2022 *Assistant Professor*, School of Geographical Sciences and Urban Planning

EDUCATION

- 2012-2017 **Ph.D.**, School of Natural Resources and Environment (SNRE), now the School for Environment and Sustainability (SEAS), University of Michigan
Graduate Certificate in Spatial Analysis, Graduate Teacher Certificate
- 2009-2010 **M.S.**, *cum laude*, International Development Studies, Department of Human Geography, Planning, and International Development, University of Amsterdam
- 2005-2009 **B.A.**, *summa cum laude*, Political Science and History, University of Florida
Minor in Anthropology, Certificate in Public Leadership

PUBLICATIONS

Google Scholar Profile

Note: student or postdoctoral advisee at the time of research; graduate student at the time

Peer-reviewed journal articles

44. Jensen, Lauren, Ladd Keith, **Sara Meerow**, Philip Berke, Erika Schmidt, Shaylynn Trego. Forthcoming. "Planning to mitigate heat in vulnerable neighborhoods: Applying the Plan Integration for Resilience Scorecard™ for Heat in Dorchester and East Boston." *Cityscape*
43. Yu, Yilei, Aaron Flores, Dylan Connor, **Sara Meerow**, Anna Braswell, Stefan Leyk. 2025. "Flood risk and the built environment: Big property data for environmental justice and social vulnerability analysis." *Population and Environment*, 47(14).
<https://doi.org/10.1007/s11111-025-00485-8>
42. Gilbertson, Philip & **Sara Meerow**. 2024. "Improving the quality of climate change adaptation through state mandate: The case of California." *Journal of the American Planning Association* <https://doi.org/10.1080/01944363.2024.2386055>
41. **Meerow, Sara**, Ladd Keith, Malini Roy, Shaylynn Trego. 2024. "Plan evaluation for heat

- resilience: Complementary methods to comprehensively assess heat planning in Tempe and Tucson, Arizona.” *Environmental Research Letters*. 19: 084050
<https://doi.org/10.1088/1748-9326/ad5d05>
40. Yu, David, Hoon C. Shin, Tomas Olivier, Margaret Garcia, **Sara Meerow**, Jeryang Park. 2024. “Logical interdependencies in infrastructure: What are they, how to identify them, and what do they mean for infrastructure risk analysis?” *Risk Analysis*.
<https://doi.org/10.1111/risa.16555>
 39. Andresen, Adam, Liza C. Kurtz, Paul M. Chakalian, David M. Hondula, **Sara Meerow**, Melanie Gall. 2024. “A comparative assessment of household power failure coping strategies in three American cities.” *Energy Research & Social Science*, 114:
<https://doi.org/10.1016/j.erss.2024.103573>
 38. Roy, Malini, Sierra C. Woodruff, **Sara Meerow**, Bryce Hannibal, Melina Matos, Philip Gilbertson. 2024. “Quality of cities’ networks of plans and prospects for flood resilience.” *Journal of Planning Education and Research*
<https://doi.org/10.1177/0739456X241236486>
 37. **Meerow, Sara**, Bryce Hannibal, Sierra C. Woodruff, Malini Roy, Melina Matos, Philip G. Gilbertson. 2024. “Urban flood resilience networks: Exploring the relationship between governance networks, networks of plans, and spatial flood resilience policies in four coastal cities.” *Annals of the American Association of Geographers*
<https://doi.org/10.1080/24694452.2023.2284299>
 36. Keith, Ladd, **Sara Meerow**, Lauren Jensen; Shaylynn Trego; Erika Schmidt; Philip Berke. 2023. “Evaluating urban heat mitigation across networks of plans.” *Journal of Planning Education and Research* <https://doi.org/10.1177/0739456X231215780>
 35. Trego, Shaylynn, **Sara Meerow**, Ladd Keith. 2023. “Heat planning in small and medium-sized cities: A collaborative application of PIRS™ for heat in Kent, WA, USA.” *Socio-ecological Practice Research*. 5: 409-422. <https://doi.org/10.1007/s42532-023-00166-6>
Article selected as Editor’s Choice for issue
 34. Hoover, Fushcia-Ann, **Sara Meerow**, Emma Coleman, Zbigniew J. Grabowski, Timon McPhearson. 2023. “Why go green? Comparing rationales and planning criteria for green infrastructure in U.S. city plans.” *Landscape and Urban Planning*. 237: 104781.
<https://doi.org/10.1016/j.landurbplan.2023.104781>
 33. Lobo, José, Rimjhim M. Aggarwal, Marina Alberti, Melissa Allen-Dumas, Luís M.A. Bettencourt, Christopher Boone, Christa Brelsford, Vanesa Castán Broto, Hallie Eakin, Sharmistha Bagchi-Sen, **Sara Meerow**, Celine D’Cruz, Aromar Revi, Debra C. Roberts, Michael E. Smith, Abigail York, Tao Lin, Xuemei Bai, William Solecki, Diane Pataki, Luís Bojorquez Tapia, Marcy Rockman, Marc Wolfram, Peter Schlosser, Nicolas Gauthier. 2023. “Integration of urban science and urban climate adaptation research: Opportunities to advance climate action.” *NPJ Urban Sustainability*. 3 (32).
<https://doi.org/10.1038/s42949-023-00113-0>
 32. Andresen, Adam, Liza Kurtz, David Hondula, **Sara Meerow**, Melanie Gall. 2023. “Understanding the Social Impacts of Power Outages in North America: A Systematic

Review." *Environmental Research Letters*. 18: 054004
<https://iopscience.iop.org/article/10.1088/1748-9326/acc7b9>

31. Hannibal, Bryce, **Sara Meerow**, Sierra C. Woodruff, *Malini Roy*, *Philip Gilbertson*, *Melina Matos*. 2022. "Who collaborates on urban resilience? An analysis of flood resilience planning networks in four coastal cities." *Journal of Urban Affairs*. <https://doi.org/10.1080/07352166.2022.2137033>
 30. *Matos, Melina*, *Philip Gilbertson*, Sierra C. Woodruff, **Sara Meerow**, *Malini Roy*, Bryce Hannibal. 2022. "Comparing hazard mitigation and climate change adaptation planning approaches." *Journal of Environmental Planning and Management*. <https://doi.org/10.1080/09640568.2022.2093171>
 29. Woodruff, Sierra C., **Sara Meerow**, Bryce Hannibal, *Melina Matos*, *Malini Roy*, *Philip Gilbertson*. 2022. "More than the sum of their parts: approaches to understand a network of plans." *Journal of Planning Education and Research*. <https://doi.org/10.1177%2F0739456X221096395>
 28. Newell, Joshua P., Alec Foster, Mariel Bergman, **Sara Meerow**. 2022. "The ecosystem services of urban agriculture: A study of Detroit." *Cities*. 125: 103664. <https://doi.org/10.1016/j.cities.2022.103664>
 27. **Meerow, Sara** & Ladd Keith. 2022. "Planning for extreme heat: A national survey of U.S. planners." *Journal of the American Planning Association*. 88(3): 319-344. <https://doi.org/10.1080/01944363.2021.1977682>
 26. Woodruff, Sierra C, **Sara Meerow**, Melissa Stults, *Chandler Wilkins*. 2022. "Adaptation to resilience planning: Alternative pathways to prepare for climate change." *Journal of Planning Education and Research*. 42(1), 64–75. <https://doi.org/10.1177%2F0739456X18801057>
 25. Woodruff, Sierra C., **Sara Meerow**, *Philip Gilbertson*, Bryce Hannibal, *Melina Matos*, *Malini Roy*, Matthew Malecha, Siyu Yu, Philip Berke. 2021. "Is flood resilience planning improving? A longitudinal analysis of networks of plans in Boston and Fort Lauderdale." *Climate Risk Management*. <https://doi.org/10.1016/j.crm.2021.100354>
 24. Muñoz-Erickson, Tischa A., **Sara Meerow**, *Robert Hobbins*, Elizabeth Cook, David Iwaniec, Marta Berbés-Blázquez, Nancy Grimm, Allain Barnett, Jan Cordero, Changdeok Gim, Thaddeus R. Miller, Fernando Tandazo, Agustín Robles. 2021. "Beyond bouncing back? Comparing and contesting urban resilience in US and Latin American contexts." *Landscape and Urban Planning* 214: 104173. <https://doi.org/10.1016/j.landurbplan.2021.104173>
- Article featured in *Nature Climate Change* Research Highlight: Yan, L. 2021 "Framing resilience." *Nature Climate Change*. 11 (719). <https://doi.org/10.1038/s41558-021-01149-9>
23. Hoover, Fushcia, **Sara Meerow**, Zbigniew J. Grabowski, Timon McPhearson. 2021 "Environmental Justice Implications of Siting Criteria in Urban Green Infrastructure Planning." *Journal of Environmental Policy and Planning*, 23(5): 665-682. <https://doi.org/10.1080/1523908X.2021.1945916>

22. Matsler, A. Marissa, **Sara Meerow**, Ian C. Mell, Mitchell A. Pavao-Zuckerman. 2021. "A 'Green' Chameleon: exploring the many disciplinary definitions, goals, and forms of 'green infrastructure'." *Landscape and Urban Planning*, 104145. <https://doi.org/10.1016/j.landurbplan.2021.104145>
21. **Meerow, Sara** & Fabian G. Neuner. 2021. "Positively resilient? How framing local action affects public opinion." *Urban Affairs Review*. 57(1): 70-103. <https://doi.org/10.1177/1078087420905655>
20. **Fastiggi, Mary, Sara Meerow**, Thaddeus R. Miller. 2021. "Governing urban resilience: Organizational structures and coordination strategies in 20 North American city governments." *Urban Studies*. 58(6): 1262-1285. <https://doi.org/10.1177/0042098020907277>
19. **Meerow, Sara**, Kelli L. Larson, *Alysha M. Helmrich*, *Riley Andrade*. 2021. "How do heat and flood risk drive residential green infrastructure implementation in Phoenix, Arizona?" *Urban Ecosystems*, 24: 989-1000. <https://doi.org/10.1007/s11252-020-01088-x>
18. **Meerow, Sara**, *Mukunth Natarajan*, *David Krantz*. 2021. "Green infrastructure performance in arid and semi-arid environments." *Urban Water Journal*. 18(4): 275-285. <https://doi.org/10.1080/1573062X.2021.1877741>
17. *Smith, Jordan P.*, **Sara Meerow**, Billie Lee Turner II. 2021. "Planning urban community gardens strategically through multicriteria decision analysis." *Urban Forestry & Urban Greening*. 58: 126897. <https://doi.org/10.1016/j.ufug.2020.126897>
16. **Meerow, Sara**. 2020. "The politics of multifunctional green infrastructure planning in New York City." *Cities*. 100: 102621. <https://doi.org/10.1016/j.cities.2020.102621>
15. **Meerow, Sara** & Sierra C. Woodruff. 2020. "Seven principles of strong climate change planning." *Journal of the American Planning Association*. 86(1): 39-46. <https://doi.org/10.1080/01944363.2019.1652108>
14. Keith, Ladd, **Sara Meerow**, *Tess Wagner*. 2019. "Planning for extreme heat: A review." *Journal of Extreme Events*. 6 (3&4): 2050003 <https://doi.org/10.1142/S2345737620500037>
13. **Meerow, Sara**. 2019. "A Green Infrastructure Spatial Planning model for evaluating ecosystem service tradeoffs and synergies across three coastal megacities." *Environmental Research Letters*. 14: 125011. <https://doi.org/10.1088/1748-9326/ab502c>
12. **Meerow, Sara**, *Pani Pajouhesh*, Thaddeus R. Miller. 2019. "Social equity in urban resilience planning." *Local Environment*. 24(9): 793-808. <https://doi.org/10.1080/13549839.2019.1645103>
11. **Meerow, Sara** & Joshua P. Newell. 2019. "Urban resilience for whom, what, when, where, and why?" *Urban Geography* 40(3): 309-329. <https://doi.org/10.1080/02723638.2016.1206395>

Republished as **Meerow, Sara** & Joshua P. Newell. 2020. "Urban resilience for whom, what, when, where, and why? In Turner and Kaplan (Eds.) *Geographic Perspectives on Urban Sustainability*. Routledge.

10. Larson, Kelli L., Elizabeth Corley, *Riley Andrade*, Sharon Hall, Abigail York, **Sara Meerow**, Paul Coseo, Dan Childers, David Hondula. 2019. "Subjective evaluations of ecosystem services and disservices: an approach to creating robust survey scales." *Ecology & Society*. 24(2): 7. <https://doi.org/10.5751/ES-10888-240207>
9. Moser, Susanne, **Sara Meerow**, James C. Arnott, Emily Jack-Scott. 2019. "The Turbulent world of resilience: Interpretations and themes for transdisciplinary dialogue." *Climatic Change*. 153(1-2): 21-40. <https://doi.org/10.1007/s10584-018-2358-0>
8. *Zhang, Zhenzhen*, **Sara Meerow**, Joshua P. Newell, Mark Lindquist. 2019. "Enhancing landscape connectivity through multifunctional green infrastructure corridor modeling and design." *Urban Forestry & Urban Greening*. 38: 305-317. <https://doi.org/10.1016/j.ufug.2018.10.014>
7. **Meerow, Sara**. 2017. "Double exposure, infrastructure planning, and urban climate change resilience in coastal megacities: A case study of Manila." *Environment and Planning A*. 49(11): 2649-2672. <https://doi.org/10.1177%2F0308518X17723630>
6. **Meerow, Sara** & Joshua P. Newell. 2017. "Spatial planning for multifunctional green infrastructure: Growing resilience in Detroit." *Landscape and Urban Planning*. 159: 62-75. <https://doi.org/10.1016/j.landurbplan.2016.10.005>
5. **Meerow, Sara** & Melissa Stults. 2016. "Comparing conceptualizations of urban climate resilience in theory and practice." *Sustainability*. 8(7): 701. <https://doi.org/10.3390/su8070701>
4. **Meerow, Sara**, Joshua P. Newell, Melissa Stults. 2016. "Defining urban resilience: A review." *Landscape and Urban Planning*. 147: 38-49. <https://doi.org/10.1016/j.landurbplan.2015.11.011>
Article selected as 'Editors' Choice' for issue
Awarded annual Weddle Prize
3. Nordgren, John, Melissa Stults, **Sara Meerow**. 2016. "Supporting local climate change adaptation: Where we are and where we need to go." *Environmental Science and Policy*. 66: 344-352. <https://doi.org/10.1016/j.envsci.2016.05.006>
2. **Meerow, Sara** & Joshua P. Newell. 2015. "Resilience and complexity: A bibliometric review and prospects for industrial ecology." *Journal of Industrial Ecology*. 19(2): 236-251. <https://doi.org/10.1111/jiec.12252>
1. **Meerow, Sara** & I.S.A. Baud. 2012. "Generating resilience: Exploring the contribution of the small power producer and very small power producer programs to the resilience of Thailand's power sector." *International Journal of Urban Sustainable Development*. 4(1): 20-38. <https://doi.org/10.1080/19463138.2012.667414>

Editor-reviewed articles in peer-reviewed journals

6. Trego, Shaylynn, **Sara Meerow**, Ladd Keith, David Hondula. Forthcoming. "Heat mitigation and management in the city of Phoenix, AZ: A case study of America's hottest large city." *Cityscape*.
5. Keith, Ladd & **Sara Meerow**. Forthcoming. The "Heatshed" Moment is Now. Invited Commentary in *Cityscape*.
4. **Meerow, Sara** & Ladd Keith. 2024. "Cities at the forefront of emerging heat governance." Invited Commentary in *One Earth*. 7(8): 1330-1334.
<https://doi.org/10.1016/j.oneear.2024.07.013>
3. Keith, Ladd, **Sara Meerow**, V. Kelly Turner, David M. Hondula, James C. Arnott. 2021. "Deploy heat officers, policies and metrics: Cities need heat governance to plan for extreme temperatures and protect those most at risk" Comment in *Nature*. 598: 29-31.
<https://doi.org/10.1038/d41586-021-02677-2>
2. Feagan, Mathieu, Marissa Matsler, **Sara Meerow**, Tischa A. Muñoz-Erickson, Robert Hobbins, Changdeok Gim, Clark Miller. 2019. "Redesigning knowledge systems for urban resilience." *Environmental Science & Policy*. 101: 358-363.
<https://doi.org/10.1016/j.envsci.2019.07.014>
1. **Meerow, Sara** & Carrie L. Mitchell. 2017. "Weathering the storm: The politics of urban climate change adaptation planning." *Environment and Planning A*. 49(11): 2619-2627.
<https://doi.org/10.1177%2F0308518X17735225>

Manuscripts under review

7. Sobhaninia, Saeideh, **Sara Meerow**, Aubrey Dugger, Thomas Hopson, Cenlin He, Olga Wilhemi. "Where Should the Green Go? A Systematic Literature Review of Methods for Siting Green Infrastructure to Mitigate Rising Heat and Stormwater Risks in Cities." (Minor revisions, *Urban Forestry and Urban Greening*)
6. Sobhaninia, Saeideh, **Sara Meerow**, Ladd Keith, Malini Roy, Shaylynn Trego, Melina Matos. "A comparison of plan integration for flood and heat resilience: A case study of Baltimore, MD." (Revise and resubmit, *International Journal of Disaster Risk Reduction*)
5. Leyba, Bryan, **Sara Meerow**, Alexandra Busch, Doris Damjanovic, Ladd Keith. "Planning for Heat Resilience in Increasingly Vulnerable Cities: A Case Study of Vienna, Austria." (Revise and resubmit, *Sustainable Cities and Society*)
4. Archie, Kelli, Daniella Hirschfeld, **Sara Meerow**, James Arnott, Ladd Keith, Julie Vano, Emilio Mateo. "Too hot to handle: Assessing practitioner climate service needs to advance heat resilience." (Under review)
3. Schultz, Paul, & **Sara Meerow**. "Navigating cross-scalar challenges in adapting to climate change: Insights from water planning in the Phoenix Metropolitan Area." (Under review)
2. Yu, Yilei, Dylan Connor, Aaron Flores, **Sara Meerow**. "Holistic spatial flood risk assessment for historically underserved communities: A trial analysis for Houston, Texas." (Under review)

1. Cliff, Summer, Dylan Connor, Sara Meerow. "Drivers of Flood Resilience Policy Attention in Coastal Cities." (Under review)

Monograph (peer reviewed)

1. Keith, Ladd & **Sara Meerow**. 2022. *PAS Report 600: Planning for urban heat resilience*. Chicago: American Planning Association.
www.planning.org/publications/report/9245695/

Book Chapters

4. **Meerow, Sara**. Forthcoming. "Urban Resilience: Disruptive discourse or more of the same for cities" in *Cities Under Stress*, Palgrave.

Republished as **Meerow, Sara**. Forthcoming. "Urban resilience" in LeGates et al. (Eds.), *The City Reader*, 8th Edition, Routledge.

3. Stults, Melissa, John R. Nordgren, **Sara Meerow**, Melisa Ongun, Rachel Jacobson, Cory Hamilton. 2015. "Assessing the climate adaptation resource and service landscape" in Bullock, Haddow, Haddow, and Coppola (Eds.), *Living with climate change: How communities are surviving and thriving in a changing climate*. Boca Raton: CRC Press.
2. Mans, Ulrich & **Sara Meerow**. 2012. "Linking green city politics with green business" in Simpson and Zimmerman (Eds.), *The economy of green cities: World compendium on the green urban economy*. ICLEI-Springer Series: Local Sustainability 3. Dordrecht: Springer.
1. Lindberg, Staffan & **Sara Meerow**. 2011. "Persistent authoritarianism and the future of democracy in Africa" in Brown (ed.) *Democratization: doubt, dictatorship, diffusion, and development*. Baltimore: John Hopkins University Press.

Book Reviews

1. **Meerow, Sara**. 2018. Book review: *The community resilience reader: Essential resources for an era of upheaval*, edited by Daniel Lerch. *Journal of Planning Literature*.
<https://doi.org/10.1177%2F0885412218776918>

Policy Reports and White Papers

21. Keith, Ladd, **Sara Meerow**, Malini Roy, Shaylynn Trego, Karli Barrett, Lindsey Jordan, K Sadashive Gowda. 2024. "Plan Evaluation for Heat Resilience: City of Flagstaff, AZ." Southwest Urban Corridor Integrated Field Laboratory (SW-IFL) – Arizona State University and University of Arizona. <https://repository.arizona.edu/handle/10150/674046>
- 20 Keith, Ladd, **Sara Meerow**, Malini Roy, Shaylynn Trego, Lindsey Jordan, Karli Barrett, K Sadashive Gowda. 2024. "Plan Evaluation for Heat Resilience: City of Mesa, AZ." Southwest Urban Corridor Integrated Field Laboratory (SW-IFL) – Arizona State University and University of Arizona. <https://repository.arizona.edu/handle/10150/674047>
19. Keith, Ladd, **Sara Meerow**, Malini Roy, Shaylynn Trego, K Sadashive Gowda, Karli Barrett, Lindsey Jordan. 2024. "Plan Evaluation for Heat Resilience: City of Casa Grande, AZ." Southwest Urban Corridor Integrated Field Laboratory (SW-IFL) – Arizona State University and University of Arizona. <https://repository.arizona.edu/handle/10150/674045>

18. Keith, Ladd, **Sara Meerow**, Malini Roy, *Shaylynn Trego*, *Lindsey Jordan*, *K Sadashive Gowda*, *Karli Barrett*. 2024. "Plan Evaluation for Heat Resilience: City of Nogales, AZ." Southwest Urban Corridor Integrated Field Laboratory (SW-IFL) – Arizona State University and University of Arizona. <https://repository.arizona.edu/handle/10150/674048>
17. *Trego, Shaylynn, Sara Meerow*, Ladd Keith, Malini Roy, *Erika Schmidt*, *Bryan Leyba*, *Lindsey Jordan*. 2023. *Plan Evaluation for Heat Resilience: City of Phoenix, AZ.*" Southwest Urban Corridor Integrated Field Laboratory (SW-IFL) – Arizona State University and University of Arizona. <https://repository.arizona.edu/handle/10150/670044>
16. Ladd Keith, **Sara Meerow**, Malini Roy, *Shaylynn Trego*, *Erika Schmidt*, *Jack Haskins*, *Bryan Leyba*. 2023. *Plan Evaluation for Heat Resilience: City of Tucson, AZ.*" Southwest Urban Corridor Integrated Field Laboratory (SW-IFL) – Arizona State University and University of Arizona. <https://repository.arizona.edu/handle/10150/669877>
15. **Meerow, Sara**, Ladd Keith, Roy, Malini, *Shaylynn Trego*, *Erika Schmidt*, *Jack Haskins*, *Bryan Leyba*. 2023. *Plan Evaluation for Heat Resilience: City of Tempe, AZ.*" Southwest Urban Corridor Integrated Field Laboratory (SW-IFL) – Arizona State University and University of Arizona. <https://repository.arizona.edu/handle/10150/670109>
14. Keith, Ladd; **Sara Meerow**; Philip Berke; Joseph DeAngelis; *Lauren Jensen*; *Shaylynn Trego*; *Erika Schmidt*; *Stephanie Smith*. 2022. "Plan Integration for Resilience Scorecard™ (PIRS™) for Heat: Spatially evaluating networks of plans to mitigate heat (Version 1.0)." www.planning.org/knowledgebase/urbanheat/
13. Keith, Ladd; **Sara Meerow**; *Shaylynn Trego*; *Erika Schmidt*; Philip Berke; Joseph DeAngelis. 2022. *City of Kent, WA: Plan Integration for Resilience Scorecard™ (PIRS™) For Heat.*" <https://www.planning.org/knowledgebase/urbanheat/>
12. Tosline, Deborah, Anna Betis, Lindsay Bearup, Lisa McCauley, **Sara Meerow**, Christian Nilson. 2022. "Identifying Key Areas in the City of Phoenix for Infiltration and Retention Using Low Impact Development." Bureau of Reclamation and the Nature Conservancy.
11. Keith, Ladd & **Sara Meerow**. 2021. "Urban Heat Resilience." PAS QuickNotes. American Planning Association. <https://www.planning.org/publications/document/9219132/>
10. Woodruff, Sierra C., **Sara Meerow**, Bryce Hannibal, *Melina Matos*, *Malini Roy*, *Philip Gilbertson*. 2020. "Resilience planning networks: Plan analysis methodology." Resilience Planning Networks Project. Tempe, AZ. Arizona State University and Texas A&M University. <https://doi.org/10.48349/ASU/MLH3ON>
9. **Meerow, Sara**, Sierra C. Woodruff, Bryce Hannibal, *Melina Matos*, *Malini Roy*, *Philip Gilbertson*. 2021. "Building resilience in Seattle: An analysis of city plans." Resilience Planning Networks Project. Tempe, AZ. Arizona State University and Texas A&M University. <https://doi.org/10.48349/ASU/YXUSKY>
8. **Meerow, Sara**; Sierra C. Woodruff; Bryce Hannibal; *Malini Roy*; *Melina Matos*; *Philip Gilbertson*, 2021, "Building resilience in Fort Lauderdale: An analysis of city plans." Resilience Planning Networks Project. Tempe, AZ. Arizona State University and Texas A&M University. <https://doi.org/10.48349/ASU/8PHIUK>

7. Woodruff, Sierra C., **Sara Meerow**, Bryce Hannibal, *Malini Roy, Melina Matos, Philip Gilbertson*. 2021. "Building resilience in Baltimore: An analysis of city plans." Resilience Planning Networks Project. Tempe, AZ. Arizona State University and Texas A&M University. <https://doi.org/10.48349/ASU/UKDZ2U>
6. Woodruff, Sierra C., **Sara Meerow**, Bryce Hannibal, *Malini Roy, Melina Matos, Philip Gilbertson*. 2021, "Building resilience in Boston: An analysis of city plans." Resilience Planning Networks Project. Tempe, AZ. Arizona State University and Texas A&M University. <https://doi.org/10.48349/ASU/VPO9LD>
5. Miller, Thaddeus R., **Sara Meerow**, *Mary Fastiggi*. 2019. "Organizing Resilience: lessons in resilience policy and planning." Workshop report for the City of Portland Bureau of Planning and Sustainability. Tempe, AZ: Urban Resilience to Extremes SRN, Arizona State University.
4. Stults, Melissa & **Sara Meerow**. 2017. "Professional societies and climate change: An analysis of how urban-focused professional societies are integrating climate change into their member engagement activities." Troy, MI: The Kresge Foundation.
3. Daigger, Glen, Jim Diana, Andrew Jones, **Sara Meerow**, Linda Young. 2016. "Urban agriculture and the food supply" in *Scaling up agriculture in city-regions to mitigate FEW system impacts*." A white paper developed in support for "FEW Workshop: "Scaling Up" Urban Agriculture to Mitigate Food-Energy-Water-Impacts." Ann Arbor: University of Michigan.
2. Mans, Ulrich, **Sara Meerow**, Hebe Verrest. 2013. "Best practices in urban planning and management technologies: Netherlands best practice." Technical Working Paper Series: Land and Urban Management, the University of the West Indies.
1. Mans, Ulrich & **Sara Meerow**. 2012. "Role of local governments in promoting renewable energy businesses: A contribution to a green urban economy." ICLEI Global Report.

Educational Case Studies

1. *Matos, Melina, Philip Gilbertson*, Sierra C. Woodruff, **Sara Meerow**, *Malini Roy*. 2024. "Comparing hazard mitigation and climate adaptation plans as strategies to foster community resilience. Lincoln Institute of Land Policy." <https://lincolninst.catalog.instructure.com/browse/case-studies/courses/comparing-hazard-mitigation-plans-and-climate-change-adaptation-plans-as-strategies-to-foster-community-resilience>

RESEARCH SUPPORT

Awarded External Research Grants

12. National Oceanic and Atmospheric Administration (NOAA) Climate Program Office Extreme Heat Risk Initiative, 2024-2027 (ASU PI, Center Co-lead, ASU portion \$227,000; Center total: \$2,250,000). "Center for Heat Resilient Communities."
11. National Science Foundation (NSF) National Center for Atmospheric Research Early Career Faculty Innovator Program, 2023-2025. (Principal Investigator (PI), \$360,000). "Models

for planning multifunctional and equitable green infrastructure to mitigate rising stormwater and heat risks in cities.”

10. NSF Data for Equity Initiative, 2023-2024, (Personnel, Total: \$74,561). “Holistic spatial flood vulnerability assessment for historically underserved communities: A trial analysis for Houston, Texas.”
9. Department of Energy (DOE) Urban Integrated Field Laboratories, 2023-2028, (Personnel, investigator recognized portion: \$710,000; Total: \$25,000,000). “Southwest Urban Corridor Integrated Field Laboratory (SW-IFL)”
8. NSF Long-Term Ecological Research (LTER), 2023-2029, (Personnel, investigator recognized portion: \$76,500; Total: \$ 7,649,990). “LTER: CAP V: Investigating how relationships between urban ecological infrastructure and human-environment interactions shape the structure and function of urban ecosystems.”
7. NOAA Climate Program Office Extreme Heat Risk Initiative, 2021-2022, (ASU PI, investigator recognized & ASU portion \$60,334; Total: \$147,474). “Plan Integration for Resilience Scorecard for Heat (PIRSH).”
6. NSF Humans, Disasters, and the Built Environment (HDBE), 2018–2021, (ASU PI, investigator recognized & ASU portion: \$169,041; Total: \$374,663). “Collaborative Research: Evaluating the potential for urban resilience planning to mitigate long-term flood risks.” Award Number: 1825367.
5. NSF HDBE INTERN Supplement, 2020–2021, (PI, \$45,787). “Evaluating state policies encouraging the integration of hazard mitigation and climate change adaptation planning.”
4. NSF Long-Term Ecological Research (LTER), 2018-2022, (Personnel, investigator recognized portion: \$90,538; Total: \$4,507,980). “CAP IV - Investigating urban ecology and sustainability through the lens of urban ecological infrastructure.” Award Number: 1637590.
3. Robert Wood Johnson Foundation Global Ideas for U.S. Solutions: Cities Taking Action to Address Health, Equity, and Climate Change, 2020-2023, (Personnel, Investigator recognized portion: \$10,000; Total: \$584,886). “Cool Kids, Cool Places, Cool Futures: Community-based, arts-enhanced, and youth focused approach for equitable urban cooling and emergency management.”
2. NSF Sustainable Urban Systems (SUS) workshop, 2019, (Steering committee member, Total: \$49,987). “Toward a practice driven and co-produced urban sustainability research and action network (US-RAN).”
1. City of Apache Junction, ASU Project Cities Program, 2018, (Project lead, \$2,000) “Planning for a sustainable future for Apache Junction.”

Awarded Internal Research Grants

3. Institute for Social Science Research Seed Grant, Fall 2024, (PI, \$7,957) “Heated debate? Unpacking US public opinion on flooding and extreme heat in a changing climate,”

2. Knowledge Exchange for Resilience Academic Partner Fellowship, 2019, (PI, \$15,000).
1. Urban Climate Research Center, Arizona State University, Pilot Project Fund, Fall 2018, (Co-PI, \$3,970). "Social ecological monitoring of green infrastructure sites in Metropolitan Phoenix."

Awarded Research Fellowships and Grants as a Graduate Student

2017	Rackham Graduate Research Grant, University of Michigan (UM)	\$3,000
2016-2017	Rackham Predoctoral Fellowship, UM	\$32,000
2016	Menakka and Essel Bailey Graduate Fellowship, UM	\$6,500
2014-2016	Dow Sustainability Doctoral Fellowship Program, UM	\$50,000
2014-2016	Rackham Conference Travel Grants, UM	\$3,200
2015	Rackham International Research Award, UM	\$8,000
2015	Dow Awards for Sustainability Seed Grant (Co-PI)	\$5,000
2014-2016	Rackham Interdisciplinary Workshop Grant, UM (Coordinator)	\$5,000/yr
2014	Rackham Graduate Student Research Grant, UM	\$1,500
2013	Weinberg Population, Development, & Climate Fellow, UM	\$7,500
2009-2010	Amsterdam Merit Scholarship, University of Amsterdam	€10,000
2010	STUNT Fieldwork Scholarship, University of Amsterdam	€800

VISITING POSITIONS & FELLOWSHIPS

2024	Humboldt Research Fellowship for Experienced Researchers, Visiting professor at the Technical University of Munich
2023	Fulbright US Scholar Program, Germany, Finalist & alternate for award
2022	Visiting Professor, Inter-university Department of Regional & Urban Studies and Planning (DIST), Politecnico de Torino, Turin, Italy (May-July).
2019-2022	ISTPP Fellow, Institute for Science, Technology & Public Policy, Texas A&M University (non-residential)

AWARDS

2022	The Western Planner "Sheldon D. Gerber Merit Award for Excellence in Environmental Planning" for <i>PAS Report 600: Planning for urban heat resilience</i>
2022	American Planning Association Arizona Chapter "Open Category (Applied Research)" award for <i>PAS Report 600: Planning for urban heat resilience</i>
2018	ProQuest Distinguished Dissertation Award <i>Note: One of 10 selected from over 800 dissertations defended at the University of Michigan in 2017</i>
2017	Weddle Prize for best student-led paper in <i>Landscape and Urban Planning</i>
2016	American Association of Geographers (AAG) Human Dimensions of Global Change Specialty Group student research competition, first prize

- 2009 Phi Beta Kappa
- 2008 Best Undergraduate Thesis Award, University of Florida, Political Science

PRESENTATIONS

Invited Academic Conference Keynote Presentations

- 2024 “Planning urban green infrastructure to enhance social-ecological resilience.” Keynote speaker for the 53rd annual conference of the German Ecological Society. September 12, Freising, Germany
- 2023 “Urban climate change resilience planning in theory and practice.” Keynote speaker for the 12th *International Conference on Innovation in Urban and Regional Planning*. September 6, L’Aquila, Italy (Presentation Virtual).
- 2022 “Reframing resilience for more just, sustainable cities and less fragile futures.” Closing Keynote lecture of the *European Urban Research Association (EURA) 2022 Conference*, June 18, Milan, Italy.
- “Urban resilience: Disruptive discourse or more of the same for cities?” Keynote lecture for the *Association for Literary Urban Studies Conference, Cities Under Stress: Urban discourses of crisis, resilience, resistance, and renewal*, University of Santa Barbara, February 18. Virtual, originally planned for Santa Barbara.

Invited Academic Presentations

- 2024 “Planning for urban climate resilience.” Human Geography Chair, Ludwig-Maximilians-Universität (LMU), December 3, 2024, Munich, Germany.
- “Missed connections: How siloed governance undermines urban resilience in cities.” Human Geography Colloquium, Freiburg University. November 4, 2024, Freiburg, Germany.
- “Missed connections: How siloed governance undermines urban resilience in cities.” Environmental governance seminar, Copernicus Institute, Utrecht University. October 7, 2024, Utrecht, Netherlands.
- “Complex knowledge systems for nature-based solutions: The politics of green infrastructure planning for urban climate resilience, Chair for Strategic Landscape Planning and Management, Technical University Munich July 3, Freising, Germany.
- “Urban climate resilience: Emerging gaps between theory and practice.” German Institute for the Protection of Terrestrial Infrastructure, April 19, Virtual.
- 2023 “Planning urban green infrastructure to enhance urban resilience.” Florida Institute for Built Environment Resilience (FIBER) Speaker Series, University of Florida. October 13, Virtual.

- “Plan Integration for Resilience Scorecard™ (PIRS™) for Heat.” *National Integrated Heat Health Information System (NIHHIS) National Meeting*. April 27, Virtual. Co-presenter with Ladd Keith.
- “Planning for urban heat resilience.” *Resilience Chats*. UIC Barcelona School of Architecture, March 1, Virtual.
- 2022 “Planning for urban resilience in a changing climate.” Inter-university Department of Regional & Urban Studies and Planning (DIST), Politecnico de Torino, June 22, Turin, Italy.
- “The politics of green infrastructure planning.” San Juan Urban Long-term Research Area (ULTRA), April 27, Virtual.
- “Planning for resilience to extreme heat.” UNC Institute for the Environment, University of North Carolina at Chapel Hill, April 1. Virtual.
- “Urban heat resilience: Governing an invisible hazard.” 2022 Cities@Tufts Spring Colloquium, Tufts University, February 9. Virtual.
- 2021 “Equitable urban resilience in theory and practice.” *Citizens Collective First Collection on Urban Inequalities*, Center for Urban Science and Policy, TU Delft, Netherlands, October 13. Virtual.
- “Reflections on just urban resilience planning.” *Norman B. Leventhal Center for Advanced Urbanism Spring Colloquium*, MIT Department of Urban Studies and Planning, April 28. Virtual.
- “Towards equitable urban resilience.” *Resilient Infrastructure with Sustainability and Equity Interdisciplinary Research Theme Seminar*, Resilient Infrastructure with Sustainability and Equity (RISE) IRT, University of Colorado Boulder College of Engineering and Applied Science, April 2. Virtual.
- 2020 “Planning for resilience to extreme heat in U.S. cities.” *UCLA Climate Adaptation Research Symposium*, September 21. Virtual, originally planned for Los Angeles, CA.
- “Innovations in heat planning and practice.” *Masterclass: Innovating in urban planning and governance for heat health*, Global Heat Health Information Network, June 16. Virtual.
- “Moving from urban resilience theory to practice.” *Webinar: Talking about urban resilience: What changes for cities during a global crisis*, Politecnico di Torino, May 4. Virtual, originally planned for Turin, Italy.
- 2019 “Planning for urban resilience in a changing climate.” *School of Geography and Development Colloquium*, University of Arizona, October 4. Tucson, AZ.
- “Urban resilience: From theory to practice.” *Distinguished Speaker Series, Institute for Sustainable Communities*, Texas A&M University, March 26. College Station, TX.

- 2018 “A Green Infrastructure Spatial Planning model for evaluating ecosystem service tradeoffs and synergies in three coastal megacities” *Conference on Modeling Complex Urban Environments*, University of Waterloo, June 21. Waterloo, Canada.
- “Urban resilience & green infrastructure planning.” *Generous Cities Summit*, Biomimicry Institute, Arizona State University, April 19-20. Tempe, AZ.
- 2017 “The contested nature of urban resilience.” *Urban and Regional Resilience Colloquium of the Institute of Geography*. Ruhr-Universität Bochum, January 18. Bochum, Germany.
- 2016 “The contested nature of urban resilience.” *Chi Epsilon Civil Engineering Honors Society Professional Speaker Series*. University of Michigan, November 9. Ann Arbor, MI.
- “A Green Infrastructure Spatial Planning Model for building urban resilience in Detroit.” *Detroit Green Infrastructure Workshop*. University of Michigan Water Center, May 4. Ann Arbor, MI.

Invited Practice-oriented Presentations

- 2024 “Data-driven approaches to planning for extreme heat” Smart Growth Webinar Series, Maryland Department of Planning, August 20. Virtual. Co-presenter with Ladd Keith.
- 2023 “Urban heat, policy, and planning.” *Urban Nature-based Solutions Accelerator Urban Heat and Urban Forestry Webinar Series*, Center for Regenerative Solutions, Urban Sustainability Directors Network, July 21. Virtual.
- “Urban Heat and Air Quality.” *American Institute of Architects (AIA) Seattle, Adaptation and Resilience Committee Conversations Towards Resilience Series*, May 30.
- 2022 “Planning for Urban Heat Resilience.” 13th Urban Heat Island Workshop. City of Tucson and Tucson Water, November 16, Virtual. Co-presenter with Ladd Keith.
- “An introduction to the Plan Integration for Resilience Scorecard™ for Heat.” NOAA Extreme Heat Risk Initiative Webinar Series, November 9, Virtual. Co-presenter with Ladd Keith.
- “Plan Integration for Resilience Scorecard™ (PIRS™) for Heat and PIRS™ for Heat Results for City of Tempe, AZ.” Heat Resilience Workshop. City of Tempe, November 7, Tempe, AZ. Co-presenter with Ladd Keith.
- “Planning for urban heat resilience.” Urban Land Institute Austin Local Council on Sustainability and Resilience, September 13, Virtual. Co-presenter with Ladd Keith.
- 2020 “Connecting Urban Green Spaces.” *Central Arizona Conservation Alliance Speaker Series*, September 17. Virtual, originally planned for Tempe, AZ.

“Planning for Urban Heat Resilience.” Arizona Heat Preparedness and Resilience Workgroup, October 6, Virtual. Co-presenter with Ladd Keith.

2018 “Opportunities and challenges for green infrastructure in desert cities” *Arizona Hydrological Society Speaker Series*, Feb 13. Tempe, AZ.

Invited Panelist Presentations

2022 “2022 ParkScore® Index Release: How cities are meeting the climate crisis through parks.” *The Trust for Public Land Park Bench Chat Webinar*, May 4. Virtual.

Panelists: Tara Buckner, Linda Hwang, **Sara Meerow**, Brendan Shane

“How will 80% of humanity live in cities?” *2022 Earth Week*. April 20. Julie Ann Wrigley Global Futures Laboratory, Tempe, AZ.

Panelists: Luis Bettencourt, Jose Lobo, **Sara Meerow**, Diane Pataki.

2021 “Technical Panel Discussion 1.” *2021 Urban Sustainability Symposium*, November 18. Virtual. Sikand Siti Center, California State University Los Angeles.

Panelists: **Sara Meerow**, Adda Athanasopoulos-Zekkos, Peter Lupoff

2020 “Building Equitable Stormwater Infrastructure - A Panel Discussion.” *International Low Impact Development Conference*, July 23. Virtual.

Panelists: **Sara Meerow**, Jacqueline Goodall, Rita Kampalath, Marccus Hendricks.

2019 “Socio-technical resilience.” *NSF Workshop on Grand Challenges in Resilience*, Purdue University, March 20-21. West Lafayette, IN.

Panelists: **Sara Meerow**, Andrew Mangan, Qiong Zhang, Shweta Singh.

“Opportunities to Integrate Green Infrastructure in Heat Mitigation Planning.” *EPA/FEMA Workshop on Integrating GI/LID Tools into Hazard Mitigation Plans*, December 10. Tempe, AZ,

Panelists: **Sara Meerow**, Melanie Gall, Braden Kay.

“Incorporating Heat into State and Local Hazard-Mitigation Planning.” *Sustainability Series*, Julie Ann Wrigley Global Institute of Sustainability, November 21. Tempe, AZ.

Panelists: **Sara Meerow**, Wendy Smith-Reeve, Lisa Jones, Brian Gerber.

2018 “United States of Disaster Guestimates.” *Sustainability Series*, Julie Ann Wrigley Global Institute of Sustainability, November 16. Tempe, AZ.

Panelists: **Sara Meerow**, Melanie Gall, Ken Waters, Adam Andresen.

“Plenary and Panel Discussion: State of Practice, Built Environment.” *Southwest Adaptation Forum*, October 29-31. Tucson, AZ.

Panelists: **Sara Meerow**, Ladd Keith, Irene Ogata, Jeremy Stapleton, Missy Stults.

- 2017 “Opportunities and Challenges in Climate Adaptation” *American Association of Geographers Annual Meeting*, April 5-9. Boston, MA.
Panelists: **Sara Meerow**, Paul Moss, Daniel Bednar, Kirstin Dow, Carrie Miller, William Solecki.
- 2015 “Urban Resilience.” *Risk and Resilience in the Face of Global Change*. Aspen Global Change Institute, November 30-December 5. Aspen, CO.
Panelists: **Sara Meerow**, Tom Seager, Kirstin Dow, Patrick Keys, Adam Parris.
- “Geographies of Resilience IV Panel: Cultural Perspectives on Everyday Resilience: Contributions from Geography.” *American Association of Geographers Annual Meeting*, April 21-25. Chicago, IL.
Panelists: **Sara Meerow**, Michael Goodman, David Simon.

Conference Presentations

- American Association of Geographers (AAG) Annual Meeting
2014, 2015, 2016, 2017, 2018, 2019, 2021, 2023, 2025 (Scheduled)
- Natural Hazards Workshop 2024
- Human Geographies of Climate Change Adaptation Conference 2024
- Association of Collegiate Schools of Planning (ACSP) Annual Conference
2017, 2018, 2019, 2020, 2021, 2022
- International Sustainable Development Research Society Conference 2021
- UCLA Climate Adaptation Research Symposium
2020, 2021
- International Society of Industrial Ecology (ISIE) Conference
2015, 2017
- National Council for Science and the Environment Drawdown 2021
- 18th Annual Climate Prediction Applications Science Workshop 2021
- International Symposium on Sustainable Systems and Technology (ISSST) 2018
- Resilience 2017
- Michigan University-Wide Sustainability and Environment (MUSE) Conference 2017
- Urban Transitions Global Summit 2016
- Association for Environmental Studies and Sciences Annual Conference 2016
- Caribbean Urban Forum 2012: Planning to Achieve the Vision...Towards a Green Urban Economy
- CERES Summer School Conference 2011

TEACHING

Arizona State University, School of Geographical Sciences and Urban Planning

Sustainable Cities PUP 190/SOS 111 (Undergraduate)

- Spring 2024 online (285 students)
- Fall 2022b online (142 students)
- Spring 2022 in person (106 students)
- Fall 2021b online (122 students)
- Spring 2021 via Sync (98 students)
- Fall 2020b online (181 students)
- Spring 2019 in person (171 students)
- Fall 2018 in person (392 students)
- Spring 2018 in person (131 students)

Environmental Planning PUP 542 (Graduate)
Spring 2025 in person (28 students)
Spring 2023 in person (28 students)
Spring 2022 in person (20 students)

Global perspectives on Urban Resilience Planning PUP 548 (Graduate)
Spring 2023 in person (8 students)
Spring 2021 via Sync (8 students)

Planning for Sustainable Communities PUP 548 (Graduate)
Spring 2019 in person (7 students)
Spring 2018 in person (11 students); partnered with Project Cities

Politecnico de Torino (Italy), Inter-university Department of Regional & Urban Studies and Planning (DIST)

Workshop Comparing US and EU Approaches to Planning for Urban Resilience (Graduate)
Summer 2022 in person (16 students)
PhD Excellence Course: International Viewpoints on Urban Resilience (Graduate)
Summer 2022 in person (6 students)

Ruhr-Universität Bochum (Germany), Department of Geography

Seminar on the Transformation of Urban Spaces: Resilient Cities (Graduate)
Winter 2017 in person (17 students)

University of Michigan, School of Natural Resources & the Environment

Graduate student instructor

Social Sciences and Environmental Problems (Undergraduate)
Fall 2014
Fall 2013

Environmental Assessments (Graduate)
Winter 2013

Utrecht University (Netherlands), International Summer School

Teaching assistant

European Politics and Economy (Undergraduate), Summer 2011

Other Units and Universities

Invited guest lecturer

Universitat Internacional de Catalunya (Barcelona, Spain) School of Architecture, 2018-2025

Rutgers University Bloustein School, 2022

University of California Berkeley Civil & Environmental Engineering, 2022

UMass Amherst (MA) Landscape Architecture and Regional Planning, 2021

The New School (NY) Schools of Public Engagement, 2021

University of Colorado Boulder (CO) Environmental Design, 2020

ASU, the Design School, 2017-2020

Politecnico di Torino (Torino, Italy) Regional and Urban Studies and Planning, 2020, 2022

RMIT (Melbourne, Australia) School of Architecture & Design, 2017, 2018

Teaching certification

ACUE Certificate in Effective College Instruction, 2018, Arizona State University

Graduate Teaching Certificate, 2016, University of Michigan

Teaching & mentoring awards

Professor of Impact Award for PUP 548 Global Perspectives on Urban Resilience Planning, 2023

Nominated for the ASU Faculty Women's Association Outstanding Faculty Mentor Award, 2022

MENTORING

Postdoctoral Fellows

Fushcia-Ann Hoover, SESYNC (Faculty mentor), 2019-2021

Note: Currently an Assistant Professor in Environmental Planning at University of North Carolina at Charlotte

Aaron Flores, Presidential Postdoctoral fellow, SGSUP, ASU (Faculty co-mentor), 2022-2023

Note: Currently an Assistant Professor in the School of Geographical Sciences and Urban Planning at ASU.

Saida Sobhani (Faculty co-mentor), 2023-present

Doctoral Students (Chair or Co-Chair)

Philip Gilbertson, SGSUP, ASU (Chair), 2018-present

Note: Awarded an NSF INTERN in 2020

Summer Cliff, SGSUP, ASU (Co-Chair with Dylan Connor), 2020-present

Shaylynn Trego, SGSUP, ASU (Co-Chair with David Hondula), Fall 2021-present

Note: Awarded an NSF GRFP in 2022; Awarded NSF INTERN in 2023

Consolata Macharia, SGSUP, ASU (Co-Chair with Aaron Flores), Fall 2024-present

Doctoral Students (Committee Member)

Graduated

Robert Hobbins, School of Sustainability, ASU (Committee Member), defended 2020

Note: Currently an assistant professor at the University of Colorado Denver

Jordan Smith, SGSUP, ASU (Committee Member), defended 2021

Note: Currently a planner for Harris County, Texas

Alysha Helmrich, School of Sustainable Engineering and the Built Environment, ASU (Committee Member), defended 2021

Note: Currently an assistant professor at the University of Georgia

Jacob Hawes, School for Environment and Sustainability, University of Michigan (Committee Member), 2019-2024

Note: Currently an assistant professor at the University of Wyoming

In progress

Lance Watkins, SGSUP, ASU (Committee Member), 2020-present

Amanda Kuhn, School of Life Sciences, ASU (Committee Member), 2021-present

Caitlin McShane, Department of Geography, University of Colorado Boulder (Committee Member), 2022-present

Yilei Yu, SGSUP, ASU (Committee Member), 2023-present

Rexford Osei Owusu, Department of Planning, University of Utah (Committee Member), 2024-present

Sophiya Gyanwali, SGSUP, ASU (Committee Member), 2024-present

Master's Thesis Students

Mahin Rahmin, MUEP, ASU (Chair), 2025-present

Julius Addai, MUEP, ASU (Chair), 2025-present

Mary Fastiggi, School of Sustainability, ASU (Chair), defended 2019

Adam Andresen, School of Sustainability, ASU (Committee Member), defended 2020
Note: Currently a PhD student at the University of Delaware

Noah Katt, Master of Urban and Environmental Planning (MUEP), ASU (Committee Member), defended 2022

Bryan Leyba, MUEP, ASU (Chair), defended 2023

Muhammet Ali Seki, MUEP, ASU (Chair), defended 2023.

MUEP Applied Project Students

Caleb Carpenter, SGSUP, ASU (Chair), completed 2019

Teresa Garcia, SGSUP, ASU (Chair), completed 2021

Corey Ferguson, SGSUP, ASU (Chair), completed 2021
Note: Currently a PhD student at Monash University, Australia

Yunpei Zhang, SGSUP, ASU (Chair), completed 2021

Danlei Qiu, SGSUP, ASU (Committee member), completed 2021

Adam Levin, SGSUP, ASU (Chair), completed 2023

Madison Macias, SGSUP, ASU (Chair), completed 2023

Master's Student General Advising

Serve as ASU advisor for ~1-2 international graduate students doing research exchanges through the NEURUS fellowship program per year.

Undergraduate Students

Sarah Dobie, NSF UREx Research Experience for Undergraduates (REU) Program, 2018
Note: Currently a PhD student at the University of Michigan

Emma Coleman, Barrett Honors Program, ASU, defended 2020 (Chair)

Walker Norris, Barrett Honors Program, ASU, defended 2021 (Chair)

Paul Schulze, Humboldt University, Berlin, Germany, completed 2022 (Committee member)
Note: Awarded 2023 THESys Award from the Institute on Transformations of Human-Environment Systems

PROFESSIONAL LEADERSHIP & SERVICE

National or International

Professional Organization Leadership

Co-chair, Urban Resilience Research Network, 2017-present

Track chair, Association of Collegiate Schools of Planning (ACSP) annual conference, Land use policy and governance track, 2022-2024

Board member, Human Dimensions of Global Change Specialty Group, AAG, 2018-2020

Workshop co-organizer, Advancing Theory and Practice of Urban Heat Resilience, 2020

Conference track co-chair: International Sustainable Development Research Society Conference 2021, Urban and Regional Resilience track

External letter writer for tenure and promotion review
2024 (3); 2023 (1); 2022 (1)

Editor

Associate Editor, *Urban Transformations*, 2023-present

Editorial board member, *Journal of the American Planning Association*, 2023-2025

Guest editor, special issue of *Urban Forestry and Urban Greening* on Green Infrastructure Futures, 2023

Guest editor, special issue of *Environmental Science & Policy* on Knowledge Systems for Urban Resilience, 2019

Guest editor, special issue of *Environment and Planning A* on the politics of urban climate change adaptation planning, 2017

Reviewer

Academic Journals (alphabetical): *Annals of the American Association of Geographers*; *Cities*; *Climatic Change*; *Current Opinion in Environmental Sustainability*; *Environment and Planning A*; *Environment and Planning E*; *Environmental Science and Policy*; *Geoforum*; *Global Environmental Change*; *International Journal of Disaster Risk Reduction*; *International Journal of Sustainability in Higher Education*; *Journal of the American Planning Association*; *Journal of Environmental Management*; *Journal of*

Environmental Policy and Planning; Journal of Sustainable Water in the Built Environment; Journal of Planning Education and Research; Journal of Urban Affairs; Landscape Ecology; Landscape and Urban Planning; Michigan Journal of Sustainability; Nature Communications; Nature Sustainability; Planning Practice and Research; Planning Theory and Practice; Resilience: International Policies, Practices and Discourses; Regional Environmental Change; Risk Analysis; Sustainability; Urban Geography; Urban Studies; Urban Ecosystems; Urban Forestry & Urban Greening; WIRES Water.

Book chapters: Oxford University Press; Springer

Book proposals: Oxford University Press

Grant proposals: National Science Foundation (NSF) Geography and Spatial Sciences Program; NSF Human-Environment and Geographical Sciences Program; European Research Council (ERC) Advanced Grants; Vienna Science and Technology Fund; Social Sciences and Humanities Research Council of Canada (SSHRC)

Conference abstracts: ISSST 2018; 11th International Forum on Urbanism: Reframing Urban Resilience Implementation; ISSST/ISIE 2017; International Sustainable Development Research Society Conference 2021

External PhD examiner: University of Waterloo Department of Geography, 2021; Inter-university Department of Regional & Urban Studies and Planning (DIST) Politecnico de Torino, 2022

Faculty mentor, ACSP Graduate Student Clinic, 2021

Expert advisory committees

Invited Member, NSF Advisory Committee for Geosciences Subcommittee on Climate Change and Equity, 2023

Invited Member, NSF Humans, Disasters, and the Built Environment grant project, "The Creeping Disaster Along the Coast: Built Environment, Coastal Communities and Population Vulnerability to Sea Level Rise", 2021

Invited Member, NSF Human-Environment and Geographical Sciences grant project "The geography of responses to heat risk: linking decision maker and public perceptions," 2023

Invited Member, The European Observation Network for Territorial Development and Cohesion European Grouping on Territorial Cooperation (ESPON EGTC) - European Research Project, "Territorialising Resilience: Transforming Europe for an Age of Crisis [TERRES]", 2024

Other

Technical Contributor, Fifth National Climate Assessment Report, Built environment, cities, urban systems chapter, 2022

Arizona State University

School of Geographical Sciences and Urban Planning

Committee chair, Environmental Planning Assistant Teaching Professor Faculty Search Committee, 2023

Committee chair, Environmental Planning Faculty Search Committee, 2022

Committee chair, MUEP awards committee, 2022

Committee member, Diversity, Equity, and Inclusion Council, 2022-2023

Committee member, Urban Planning Committee, 2022-present

Committee member, Presidential postdoctoral fellowship program, 2021

Committee chair, Urban Planning Faculty Search Committee, 2019

Committee member, Graduate committee, 2018-2019, 2020-2022, 2022-2023, 2025

Committee member, MUEP program committee, 2017-2018

Committee member, SPARC Faculty Search Committee, 2019

Committee member, Planning Instructor Search Committee, 2018

ASU Faculty representative, Network for European-United States Regional and Urban Studies (NEURUS) program, 2018-2019; 2021-present

Proposal lead, successful SGSUP proposal for 2020-2021 ASU Graduate Assistantships Program for Underrepresented Students “Doctoral student cluster in race, place, and equitable communities.”

University-wide

Co-lead, Governance and Just Transitions Interdisciplinary Research Theme, Central Arizona-Phoenix Long-term Ecological Research (CAP-LTER) V program 2023-present

Co-lead, Adapting to City Life and Governance and Just Transitions Interdisciplinary Research Themes, Central Arizona-Phoenix Long-term Ecological Research (CAP-LTER) V program 2021-2022

Poster judge, Urban Climate Research Center Student Poster Competition, 2018, 2019, 2021

Faculty representative, Changemaker Central Sustainability Solutions Summit, November 9, 2017

Presenter, ASU ‘More to Explore’ prospective student sessions, 2021

University of Michigan

School of Natural Resources and Environment

Founder and chair, SNRE Ph.D. student government (Doctoral Organizing Committee), 2014-2016

Mentor to undergraduate students, Building Environmental Awareness and Relationships (BEAR) Mentorship Program, University of Michigan Program in the Environment, 2014-2015

University-wide

Founder and graduate coordinator, Rackham Interdisciplinary Workshop on Sustainability, Environment, and Society, University of Michigan, 2016-2017

Founder and graduate coordinator, Rackham Interdisciplinary Workshop on Urban Sustainability & Resilience, University of Michigan, 2014-2016

Science Communication Fellow, Portal to the Public, UM Museum of Natural History, 2016-2017

Organizing committee, Michigan University-wide Sustainability and Environment (MUSE) Conference, 2016-2017

Member of editorial board, *Michigan Journal of Sustainability*, 2014-2015

COMMUNITY EMBEDDEDNESS & PUBLIC OUTREACH

Technical advising for community projects

Advisory team member, “Next Generation Urban Greening” project led by the San Francisco Estuary Institute. 2021-2024.

Subject matter expert advisory team member, “Heat Action Roadmap,” City of Tucson. 2024.

Team member, “Key Areas in the City of Phoenix for Infiltration and Retention Using Low Impact Development” project led by the Nature Conservancy and Bureau of Reclamation in partnership with the City of Phoenix, Flood Control District of Maricopa County, and Maricopa Air Quality Department. 2018-2021.

Socio-economic impacts technical working group member, “Measuring Success: Monitoring Natural and Nature-Based Features in New York State” project led by Jamaica Bay Science and Resilience Institute. 2018-2020.

Popular Science Articles

Meerow, Sara & Ladd Keith. 2023. “Growing Heat Hazards from Climate Change and the Urban Heat Island Need to Be Integrated Across Siloed Urban Plans. Here’s How.” *The Nature of Cities*. <https://www.thenatureofcities.com/2023/06/21/growing-heat-hazards-from-climate-change-and-the-urban-heat-island-need-to-be-integrated-across-siloed-urban-plans-heres-how/>

Keith, Ladd & **Sara Meerow**. 2022. “Planning for Urban Heat Resilience in Communities Across the U.S.” *The Western Planner*. <https://www.westernplanner.org/2022/2022/10/21/planning-for-urban-heat-resilience-in-communities-across-the-us>

Meerow, Sara & Ladd Keith. 2022. “Heat risks are rising in cities worldwide- Here’s how to plan for urban heat resilience.” *The Nature of Cities*. <https://www.thenatureofcities.com/2022/06/13/heat-risks-are-rising-in-cities-worldwide-here-is-how-to-plan-for-urban-heat-resilience/>

Keith, Ladd & **Sara Meerow**. 2021. "Beat Extreme Heat with These 8 Tactics." *Planning Magazine*. <https://www.planning.org/planning/2021/fall/beat-extreme-heat-with-these-8-tactics/>

Keith, Ladd & **Sara Meerow**. 2021. "Opinion: Cities must plan for heat resilience now." *Thompson Reuters Foundation*. <https://news.trust.org/item/20210705161002-pz8g0/>

Meerow, Sara & Sierra C. Woodruff. 2020. "7 principles of strong climate change planning." *Planning Magazine*. <https://www.planning.org/planning/2020/jul/tools-japa-takeaway/>

Meerow, Sara & Fabian G. Neuner. 2020. "Positively resilient: How framing local action affects public opinion." *Urban Affairs Forum* <https://urbanaffairsreview.com/2020/10/21/positively-resilient-how-framing-local-action-affects-public-opinion/>

Fastiggi, Mary, **Sara Meerow**, Thaddeus R. Miller. 2020. "Comparing urban governance across cities" *Urban Studies Journal Blog* <https://www.urbanstudiesonline.com/resources/resource/comparing-urban-resilience-governance-across-cities/>

Meerow, Sara. 2018. "How do city resilience and climate change adaptation plans compare?" *The Nature of Cities*. <https://www.thenatureofcities.com/2018/10/29/city-resilience-climate-change-adaptation-plans-compare/>

Meerow, Sara & Lorenzo Chelleri. 2018. "Tracking resilience trade-offs: Let's build a crowdsourced global database" *The Nature of Cities* <https://www.thenatureofcities.com/2018/04/25/tracking-resilience-trade-offs-lets-build-crowdsourced-global-database/>

Meerow, Sara & Joshua P. Newell. 2016. "What does it mean for a city to be resilient?" *Urbanization and Global Environmental Change Viewpoints*. <https://ugecviewpoints.wordpress.com/2016/12/20/what-does-it-mean-for-a-city-to-be-resilient/>

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Media Coverage of Research & Interviews

2024 *Bloomberg*, Eric Roston, [Record-breaking temperatures mask a subtler threat: Chronic heat](#)

Yale Climate Connections, Osha Davidson, [Warming world, deadly problem: Heat-related deaths are surging](#)

KJZZ (NPR), Mark Brodie, [As Phoenix works to deal with record heat, this expert sees other cities using similar approaches.](#)

Scientific American, Meghan Bartels, [The Hidden Ways Extreme Heat Disrupts Infrastructure](#)

ASU News, S. Norton, [ASU is a lead partner in new national Center for Heat Resilient Communities](#)

Wall Street Journal the Future of Everything Podcast, Alex Ossala, ["Keeping cities cool in a warmer future"](#)

USA Today, [Which cities are most climate resilient?](#)

AZPM, Tony Perkins, ["Hot weather brings annual housing concerns to Arizona"](#)

2023 *Grist*, Jake Bittle & Naveena Sadasivam, ["How to build a heat resilient city"](#)

BBC, Lucy Sherriff, ["How Texas is racing to thwart the heat"](#)

Christian Science Monitor, Ali Martin, ["From heat czars to tree planting, relief for urban heat islands"](#)

Governing, Carl Smith, ["Too Damn Hot — and Getting Hotter: Dealing With Extreme Heat"](#)

Chicago Tribune, Sarah Macaraeg, ["Mapping a threat: Climate change's deadly summer heat may deepen disparities in Chicago"](#)

Environmental Health News, Darius Symmsand & Aaliyah Campbell. ["How youth can battle extreme heat in their communities."](#)

Sierra Magazine, Osha Gray Davidson. ["The heat is on."](#)

2022 *NPR*, Lauren Sommers, ["Why heat wave warnings are falling short in the U.S."](#)

The Atlantic, Caroline Mimbs Nyce, ["America is going to have a 'heat belt'"](#)

Christian Science Monitor, Sarah Matusek, ["How to cool cities, from heat officers to pavement sunscreen."](#)

The Guardian, Oliver Milman, ["Alarm as fastest growing US cities risk becoming unlivable because of climate change."](#)

Smithsonian Magazine, Sarah Kuta, ["Los Angeles Becomes Latest City to Hire 'Chief Heat Officer'"](#)

Washington Post, Lori Aratani, ["As temperatures rise this research could help cities stay cool."](#)

- America Adapts Podcast*, Doug Parsons. "Planning for urban heat resilience."
- Route Fifty*, Daniel C. Vock. "How cities are trying to combat the nation's deadliest weather risk."
- ASU News*, "How cities can plan for urban heat resilience."
- Michigan Radio*, Lester Graham. "Why isn't more vacant land in Detroit used for gardening?"
- Michigan News*, Jim Erickson. "Urban agriculture in Detroit: Scattering vs clustering and prospects for scaling up."
- KJZZ Radio*, Mark Brodie, "City planners have tools to deal with heat. A new survey finds many may not be using them"
- 2021 *Spectrum News*, Ryan Chatelain, "City planners on the front lines in the fight against climate change"
- NBC News*, Evan Bush and Alicia Victoria Lozano, "'An invisible hazard': Warming cities hire chief heat officers to tackle growing threat"
- ASU Now*, David Rozul "ASU researchers call for heat governance to protect vulnerable populations"
- In Common Podcast*, Michael Cox, "Urban resilience and green infrastructure with Sara Meerow"
- Circular Metabolism Podcast*, Aristide Athanassiadis, "Increasing urban resilience"
- ASU Now*, David Rozul, "Rethinking community garden Siting in the Valley: ASU researchers develop new spatial model for strategically choosing the location of urban community gardens"
- American Planning Association Blog Uncovering JAPA*, Charles Hatfield, "7 ways to plan a stronger climate change response"
- 2020 *Boston Globe*, Courtney Humphries, "When it comes to battling climate change and sea level rise, what does it mean to be 'resilient'?"
- 2018 *FutureCities Podcast*, "Climate risk and resilience: Lessons from the 2017 hurricane season"
- 2017 *The Conversation*, Gina Ziervogel and Lorena Pasquini, "South Africa: Fighting injustice helps in creating resilient urban spaces"
- Franchise Times*, Tom Kaiser, "Is your city resilient? The Urban Franchiser suggests a check"
- EarthDesk*, Michael Finewood and Samantha Miller, "The Multifunctionality of green infrastructure"

2016 *University of Michigan Stewards Magazine*, “Making cities More sustainable”

ADDITIONAL RESEARCH EXPERIENCE

2016-2017 **Research consultant**, Kresge Foundation

Project: “Mainstreaming Climate Change into Professional Societies”

2013-2014 **Research consultant**, Garrison Institute

Project: “Mapping and Convening Local and Regional Climate- Resilience Service Providers” (funded by the Kresge Foundation)

2011-2012 **Junior researcher**, University of Amsterdam

Project: “Strengthen research development and uptake capacity in urban land and municipal management in the Caribbean” (funded by the European Union)

Project: “Role of local governments in promoting renewable energy businesses (project for ICLEI-Local Governments for Sustainability)

2011 **Research assistant** to Dr. Ulrich Mans, University of Amsterdam

Project: “Green city and green economy—Assessing the link between politics and business”

2008-2009 **Research assistant** to Dr. Staffan Lindberg, University of Florida

Project: “The Effects of Natural Resource Dependence on Democracy and Conflict in Africa”

PROFESSIONAL MEMBERSHIPS

American Association of Geographers

Association of Collegiate Schools of Planning

American Planning Association

American Society of Adaptation Professionals