

SARA MEEROW

School of Geographical Sciences and Urban Planning
Arizona State University
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ACADEMIC POSITIONS

2017- **Arizona State University**
Assistant Professor, School of Geographical Sciences and Urban Planning
Senior Sustainability Scientist, Julie Ann Wrigley Global Institute of Sustainability
Affiliated Faculty, Center for Urban Climate Research

EDUCATION

2017 **Ph.D.**, School of Natural Resources & Environment (SNRE), University of Michigan
Graduate Certificate in Spatial Analysis, Graduate Teacher Certificate
Dissertation: “The contested nature of urban resilience: Meaning and models for green infrastructure and climate change adaptation planning”

2010 **M.S., cum laude**, International Development Studies, University of Amsterdam
Department of Human Geography, Planning, and International Development,
Master’s Thesis: “Generating Resilience: Exploring the Contribution of the Small Power Producer and Very Small Power Producer Programs to the Resilience of Thailand’s Power Sector.”

2009 **B.A., summa cum laude**, Political Science and History, University of Florida
Minor in Anthropology, Certificate in Public Leadership
Honors Thesis: “The Effects of Natural Resource Dependence on Democracy and Conflict in Africa.”

RESEARCH INTERESTS

Urban resilience; Green infrastructure planning; Climate change adaptation; Urban climate change governance; Urban infrastructure planning.

PUBLICATIONS

* *student advisee*; + *graduate student*

Refereed Journals

10. Woodruff, Sierra, **Sara Meerow**, Melissa Stults, Chandler Wilkins+. Forthcoming. “Adaptation to Resilience Planning: Alternative pathways to prepare for climate change.” *Journal of Planning Education and Research*.
9. **Meerow, Sara** and Carrie L. Mitchell. 2017. “Weathering the storm: The politics of urban climate change adaptation planning.” *Environment and Planning A*. 49(11): 2619-2627.
8. **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.

7. **Meerow, Sara** and Joshua P. Newell. 2017. "Spatial planning for multifunctional green infrastructure: Growing resilience in Detroit." *Landscape and Urban Planning*. 159: 62-75.
6. **Meerow, Sara** and Joshua P. Newell. 2016. "Urban resilience for whom, what, when, where, and why?" *Urban Geography*. DOI:10.1080/02723638.2016.1206395.
5. **Meerow, Sara** and Melissa Stults. 2016. "Comparing conceptualizations of urban climate resilience in theory and practice." *Sustainability*. 8(7): 701.
4. **Meerow, Sara**, Joshua P. Newell, Melissa Stults. 2016. "Defining Urban Resilience: A Review." *Landscape and Urban Planning*. 147: 38-49.
Note: 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.
2. **Meerow, Sara** and Joshua P. Newell. 2015. "Resilience and Complexity: A Bibliometric Review and Prospects for Industrial Ecology." *Journal of Industrial Ecology*. 19(2): 236-251.
1. **Meerow, Sara** and Isa 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.

Papers Under Review or In Revision (Full working paper available)

7. Zhang, Zhenzhen+, **Sara Meerow**, Joshua P. Newell, Mark Lindquist. Revise and resubmit. "Enhancing Landscape Connectivity through Multifunctional Green Infrastructure Corridor Modeling and Design: The Case of Detroit."
6. Moser, Susanne, **Sara Meerow**, James C. Arnott, Emily Jack-Scott. Revise and resubmit. "The Turbulent world of resilience: Signals rising above the noise in cross- and transdisciplinary communication."
5. Larson, Kelli, Sharon Hall, Elizabeth Corley, Abigail York, Riley Andrade+, Paul Coseo, David Hondula, **Sara Meerow**, & Dan Childers. Under review. "Subjective evaluations of ecosystem services and disservices: an approach to creating robust survey scales"
4. Pajouhesh, Pani+, **Sara Meerow**, Thaddeus Miller. Revising for submission. "Social equity in urban resilience planning."
3. **Meerow, Sara** & Fabian G. Neuner. Revising for submission. "Positively resilient? Public perceptions of urban resilience"
2. **Meerow, Sara**. Revising for submission. "A Green Infrastructure Spatial Planning model for evaluating ecosystem service tradeoffs and synergies in three coastal megacities."

1. Newell, Joshua P., Alec Foster, Mariel Bergman, **Sara Meerow**. Revising for submission. "Urban Agriculture as Equitable Green Infrastructure: Gardens, ecosystem services, and the challenge of "scaling-up" in Detroit and beyond."

Book Chapters

3. Stults, Melissa, John R. Nordgren, **Sara Meerow**, Melisa Ongun, Rachel Jacobson, and 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 and **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 and **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*.

Policy Reports and White Papers

4. Stults, Melissa and **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", pp. 12-16, 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** and 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 and **Sara Meerow**. 2012. "Role of local governments in promoting renewable energy businesses: A contribution to a green urban economy." ICLEI Global Report, ICLEI.

RESEARCH SUPPORT

Awarded Research Grants

National Science Foundation Humans, Disasters, and the Built Environment (HDBE), 2018–2020 (\$169,041, PI). “Collaborative Research: Evaluating the potential for urban resilience planning to mitigate long-term flood risks.”

Awarded Research fellowships, grants, and scholarships

2017	Rackham Graduate Student Research Grant	\$3,000
2016-2017	Rackham Predoctoral Fellowship, University of Michigan (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 Interdisciplinary Sustainability Seed Grant (Co-PI)	\$5,000
2014-2016	Rackham Interdisciplinary Workshop Grant, UM (Coordinator)	\$5,000-\$6,000/yr
2014	Rackham Graduate Student Research Grant, UM	\$1,500
2013	Weinberg Population, Development, & Climate Change Fellow, UM	\$7,500
2009-2010	Amsterdam Merit Scholarship, University of Amsterdam	€10,000
2010	STUNT Fieldwork Scholarship, University of Amsterdam	€800
2005-2009	National Merit Scholarship, University of Florida	\$24,000

AWARDS

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

ACADEMIC PRESENTATIONS

Invited Speaker

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. “Urban resilience & green infrastructure planning.” Generous Cities Summit, Biomicro Institute, Arizona State University, April 19-20. “Opportunities and Challenges for Green Infrastructure in Desert Cities” Arizona Hydrological Society, Feb 13.
2017	“The contested nature of urban resilience.” Urban and Regional Resilience Colloquium of the Institute of Geography. Ruhr-Universität Bochum, Germany, January 18.

- 2016 “The contested nature of urban resilience.” Chi Epsilon Civil Engineering Honors Society Professional Speaker Series. University of Michigan, Ann Arbor, MI, November 9.
- 2016 “A Green Infrastructure Spatial Planning Model for Building Urban Resilience in Detroit.” Detroit Green Infrastructure Workshop. University of Michigan Water Center, Ann Arbor, MI, May 4.

Invited Panelist or Discussant

- 2017 “Opportunities and Challenges in Climate Adaptation” *American Association of Geographers 2017 Annual Meeting*. Boston, MA, April 5-9. Chair: Paul Moss; Panelists: Paul Moss, **Sara Meerow**, Daniel Bednar, Kirstin Dow, Carrie Miller, William Solecki.
- 2016 “Green Infrastructure, Stormwater, and Water Resource Management.” *Association for Environmental Studies and Sciences 2016 Annual Conference*. Washington, DC. June 8-11. Chair: Michael Finewood; Discussant: **Sara Meerow**
- 2015 “Urban Resilience.” *Risk and Resilience in the Face of Global Change*. Aspen Global Change Institute, Aspen, CO, November 30-December 5.
- “Geographies of Resilience IV Panel: Cultural Perspectives on Everyday Resilience: Contributions from Geography.” *American Association of Geographers 2015 Annual Meeting*. Chicago, IL, April 21-25. Panelists: **Sara Meerow**, Michael Goodman, Discussant: David Simon, Chair: Emily Boyd.

Sessions Organized & Chaired

- 2018 “Resilience: A new path forward for climate change adaptation?” American Collegiate Schools of Planning 2018 Annual Conference. Organizer: Sara Meerow. Buffalo, NY, October 25-28.
- “Conceptualizing urban green infrastructure” *American Association of Geographers Annual Meeting*. New Orleans, LA, April 10-15.
- 2017 “New approaches to planning multifunctional green infrastructure for urban resilience” *American Collegiate Schools of Planning 2017 Annual Conference*. Organizer: **Sara Meerow**. Denver, CO, October 12-15.
- “Can cities align resilience with sustainability? Theoretical tensions, practical trade-offs” *Resilience 2017*. Organizers: **Sara Meerow**, Lorenzo Chelleri, Marta Olazabal. Stockholm, Sweden, August 21-23.
- “Reweaving the Urban Socio-ecological Fabric I & II: Green infrastructure, urban agriculture, and social justice” (two paper sessions) *American Association of Geographers 2017 Annual Meeting*. Organizers: **Sara Meerow**, Alec Foster. Boston, MA, April 5-9.
- 2016 “Green Infrastructure: Theory and Practice I, II, & III” (three paper sessions) *American Association of Geographers 2016 Annual Meeting*. Organizers: **Sara Meerow**, Joshua Newell; Chair: **Sara Meerow**. San Francisco, CA, March 29-April 2.

2015 “Geographies of Resilience I, II, & III” (three paper sessions) *American Association of Geographers 2015 Annual Meeting*. Organizers: **Sara Meerow**, Joshua Newell, Emily Boyd; Chair: **Sara Meerow**. Chicago, IL. April 21-25.

2014 “Understanding Resilience” *American Association of Geographers 2014 Annual Meeting*. Organizers: **Sara Meerow**, Joshua Newell; Chair: **Sara Meerow**. Tampa, FL. April 8-12.

Conference Presentations

2018 “Positively resilient? Public perceptions of urban resilience.” *ISSST 2018*. Buffalo, NY, June 27-30.

“Positively resilient? Public perceptions of urban resilience.” *American Association of Geographers Annual Meeting*. New Orleans, LA, April 10-15.

2017 “A Green Infrastructure Spatial Planning model for evaluating ecosystem service tradeoffs and synergies in three coastal megacities.” *American Collegiate Schools of Planning 2017 Annual Conference*. Denver, CO. October 12-15.

“Defining and Characterizing Urban Climate Resilience: The Theory-Practice Divide.” *Resilience 2017*. Stockholm, Sweden. August 20-23.

“The contested nature of urban resilience: A Green Infrastructure Spatial Planning model for evaluating ecosystem service tradeoffs and synergies in three coastal megacities” *ISIE/ISSST 2017*. Chicago, IL, June 25-29.

“Ecosystem service tradeoffs and synergies: Green infrastructure spatial planning in three coastal megacities” *American Association of Geographers 2017 Annual Meeting*. Boston, MA, April 5-9.

“Spatial planning for multifunctional green infrastructure: Growing resilience in Detroit” *Michigan University-Wide Sustainability and Environment (MUSE) Conference*. Ann Arbor, MI. January 9-10.

2016 “A Green Infrastructure Spatial Planning Model for Building Urban Resilience in Detroit” *Urban Transitions Global Summit 2016*. Shanghai, China. September 5-9.

“A Green Infrastructure Spatial Planning Model for Building Urban Resilience in Detroit” *Association for Environmental Studies and Sciences 2016 Annual Conference*. Washington, DC. June 8-11.

“Urban Climate Resilience in theory and practice” *American Association of Geographers 2016 Annual Meeting*. San Francisco, CA. March 29-April 2.

2015 “Urban Resilience: Who, what, when, where, why?” *American Association of Geographers 2015 Annual Meeting*. Chicago, IL. April 21-25.

“Resilience and Complexity: A Bibliometric Review and Prospects for Industrial Ecology (Poster). *ISIE Conference 2015 Taking Stock of Industrial Ecology*. Surrey, England. July 7-10.

- 2014 “Defining Urban Resilience.” *American Association of Geographers Annual Meeting*. Tampa, FL. April 8-12.
- 2012 “Best Practices in Urban Planning and Management Technologies.” *Caribbean Urban Forum 2012: Planning to Achieve the Vision...Towards a Green Urban Economy*, Kingston, Jamaica. March 14-17.
- 2011 “Generating Resilience: Exploring the Resilience of the Power Sector in Bangkok Thailand.” *CERES Summer School Conference*, Utrecht, the Netherlands. June 30.
- 2007 “The Curse of Black Gold: Economic and Political Effects of Oil Dependency in Africa.” *UF Society of the Social Sciences 3rd Annual Conference*, University of Florida, Gainesville, FL. October 20.

ADDITIONAL RESEARCH EXPERIENCE

- 2016-2017 **Research consultant**, Kresge Foundation
Project: “Mainstreaming Climate Change into Professional Societies”
- 2013-2014 **Research consultant**, the 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”

FIELDWORK: Manila, Philippines; Bangkok, Thailand; New York City, Los Angeles, Detroit

TEACHING

Assistant Professor, Arizona State University

Planning for Sustainable Communities PUP548 (Graduate)

Sustainable Cities PUP190/SOS111 (Undergraduate)

Visiting Instructor, Ruhr-Universität Bochum (Germany), Department of Geography

Seminar on the Transformation of Urban Spaces: “Resilient Cities” (Graduate), Winter 2017

Graduate Student Instructor, University of Michigan
Social Sciences and Environmental Problems (Undergraduate), Fall 2013, Fall 2014
Environmental Assessments (Graduate), Winter 2013

Teaching Assistant, Utrecht University (Netherlands), International Summer School
European Politics and Economy (Undergraduate), Summer 2011

Teaching certification

ACUE Certificate in Effective College Instruction, 2018, Arizona State University
Graduate Teaching Certificate, 2016, University of Michigan

STUDENT MENTORING

Doctoral Students

Philip Gilbertson, School of Geographical Sciences & Urban Planning, Arizona State University (Chair)
Robert Hobbins, School of Sustainability, Arizona State University (Committee Member)
Jordan Smith, School of Geographical Sciences & Urban Planning, Arizona State University
(Committee Member)

Master's Thesis Students

Mary Fastiggi, School of Sustainability, Arizona State University

Master's Student General Advising

Serve as academic advisor for ~5 Master's of Urban and Environment Planning students per year

Undergraduate

Sarah Dobie, NSF UREx Research Experience for Undergraduates (REU) Program, Summer 2018

PROFESSIONAL LEADERSHIP & SERVICE

National or International

Reviewer for Academic Journals: *Global Environmental Change; Landscape and Urban Planning; Nature Sustainability; Geoforum; Urban Studies; Environmental Science and Policy; Cities; Environment and Planning A; Environment and Planning E: Nature and Space; Nature Sustainability; Urban Ecosystems; Landscape Ecology; Sustainability; International Journal of Disaster Risk Reduction; Planning Practice and Research; Journal of Environmental Policy and Planning; Resilience: International Policies, Practices and Discourses; WIRES Water; International Journal of Sustainability in Higher Education; Regional Environmental Change; Michigan Journal of Sustainability*

Reviewer for grant proposals: National Science Foundation (NSF) Geography and Spatial Sciences Program

Reviewer for conference abstracts: ISSST 2018; 11th International Forum on Urbanism: Reframing Urban Resilience Implementation

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

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

Board member, Urban Resilience Research Network

Board member, Human Dimensions of Global Change Specialty Group, AAG

Arizona State University

Committee member, Masters of Urban and Environmental Planning, 2017-2018

Committee member, Planning Instructor Search Committee, 2018

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

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

University of Michigan

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

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

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

PUBLIC OUTREACH

Popular Science Articles

2018 “Tracking Resilience Trade-offs: Let’s Build a Crowdsourced Global Database” *The Nature of Cities* (with Lorenzo Chelleri)

2016 “What does it mean for a city to be resilient?” *Urbanization and Global Environmental Change Viewpoints*. (with Joshua Newell)

“Resilience rising: From the ‘sustainable’ to the ‘resilient’ city,” *It Ain’t Necessarily So Blog*

Media Coverage & Interviews

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”

LANGUAGE SKILLS

Native English-speaker; Advanced Dutch

PROFESSIONAL MEMBERSHIPS

American Association of Geographers
Association of the Collegiate Schools of Planning
International Society for Industrial Ecology
Association for Environmental Studies & Sciences
American Society of Adaptation Professionals
American Planning Association, Arizona Chapter