

# Michael Lengefeld

## Curriculum Vitae

Department of Sociology & Anthropology  
Northeastern University

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Web: <https://www.mlengefeld.com/>

### EDUCATION

- 2018                    **Ph.D., Sociology**, Washington State University.  
Committee: Gregory Hooks, Thomas Rotolo, Chad Smith, Emily Kennedy,  
Jennifer Sherman
- 2011                    **M.A., Sociology**, Texas State University.
- 2008                    **B.S., Applied Sociology**, Texas State University.

### ACADEMIC APPOINTMENTS

- 2024 – Present      **Postdoctoral Research Associate**, Social Science Environmental Health  
Research Institute, Northeastern University
- 2022-2024           **Assistant Professor** of Sociology, Bemidji State University
- 2021-22              **Instructor**, Department of Sociology, Widener University
- 2019-21              **Visiting Assistant Professor** of Environmental Sociology, Goucher College
- 2018                   **Instructor**, Department of Sociology and Criminology, Gonzaga University
- 2012- 18             **Instructor**, Department of Sociology, Washington State University
- 2009- 11             **Teaching Assistant**, Department of Sociology, Texas State University

### RESEARCH & TEACHING INTERESTS

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Environmental sociology  
Public and environmental health  
Political sociology  
Sociological theory  
Quantitative and qualitative methods  
Sociology of Sport

### REFEREED JOURNAL ARTICLES

\* = Graduate student co-author; \*\* = Undergraduate student co-author

Garrett, Kimberly, Vic Say\*, Sam Ciaranca, Phil Brown, Emily Haberlack\*, Caroline Hopkins\*\*,  
**Michael Lengefeld**, Alissa Corder. 2025. "The Landscape of PFAS Contamination in the  
United States: Sources and Spatial Patterns." *Environmental Science & Technology*. 59,  
35, 18795–18807.

**Lengefeld, Michael**, and Thomas Rotolo. 2025. "'All Sports Carry Risks': NFL, Media, and the  
Framing of the Youth Sports Concussion Crisis." *Sport in Society*: 1-23.

- Smith, Chad L., Gregory Hooks, and **Michael Lengefeld**. 2024. "Linking the Treadmills of Production and Destruction to Disproportionate Carbon Emissions." *NPJ Climate Action* 3(1):72-11.
- Hooks, Greg, and **Michael Lengefeld**. 2022. "Callous Cruelty and Blow Back: Immigration and Customs Enforcement Facilities, Risksapes and Community Transmission of COVID-19." *Environmental Justice* 15(1):39.
- Hooks, Greg, **Michael R. Lengefeld**, and Chad L. Smith. 2021. "Recasting the Treadmills of Production and Destruction: New Theoretical Directions." *Sociology of Development* 7(1):52-76.
- Lengefeld, Michael**. 2020. "Nuclear Weapons and the Treadmill of Destruction in the Making of the Anthropocene." *Journal of World-Systems Research* 26(2): 203-230.
- Smith, Chad L., Gregory Hooks, and **Michael Lengefeld**. 2020. "Treadmills of Production and Destruction in the Anthropocene: Gold Mining in Bolivia, Colombia, and Peru." *Journal of World-Systems Research* 26(2): 231-262.
- Rotolo, Thomas, and **Michael R. Lengefeld**. 2020. "Clearing the Cobwebs: The Reframing of Youth Concussions as a Health Crisis." *Social Science & Medicine*, (265) November.
- Smith, Chad, and **Michael Lengefeld**. 2019. "The Environmental Consequences of Asymmetric War: A Panel Study of Militarism and Carbon Emissions, 2000-2010." *Armed Forces and Society*.
- Smith, Chad L., Greg Hooks, and **Michael Lengefeld**. 2014. "The War on Drugs in Colombia: The Environment, the Treadmill of Destruction and Risk-Transfer Militarism." *Journal of World-Systems Research* 20(2): 185-206.
- Lengefeld, Michael**, and Chad L. Smith. 2013. "Nuclear Shadows: Weighing the Environmental Effects of Militarism, Capitalism, and Modernization in a Global Context, 2001-2007." *Human Ecology Review* 20(1):11-25.

#### **REFEREED CHAPTERS**

- Lengefeld, Michael**, Greg Hooks, and Chad Smith. 2022. "War and the Environment." *The Handbook of Environmental Sociology* coedited by Beth Caniglia, Andrew Jorgenson, Stephanie Malin, Lori Peek, and David Pellow.

#### **OTHER BOOK CHAPTERS**

- Lengefeld, Michael**, Greg Hooks, and Chad Smith. 2024. "The Treadmill of Destruction." *Encyclopedia of Environmental Sociology*, edited by Christine Overdeest. Edward Elgar.

#### **MANUSCRIPTS UNDER REVIEW**

- Lengefeld, Michael**, Alissa Cordner, Phil Brown, Grace Poudrier, and Kimberly Garrett. Submitted 2026. "Paths Unknown: Treadmills, Unseen Military Science, and the Inertia of 'Forever Chemicals'." *Sociological Forum*.

## **BOOKS AND MANUSCRIPTS IN PREPARATION**

\* = Graduate student co-author; \*\* = Undergraduate student co-author

Garrett, Kimberly K., Phil Brown, Alissa Cordner, Lauren Ellis\*, **Michael Lengefeld**, Laurel Schaider, Kira Mok\*\*, and Courtney Carignan. 2026. "Toward Cartographic Data Justice: Mapping the PFAS Contamination Crisis."

Hooks, Greg, Chad L. Smith, and **Michael R. Lengefeld**. 2026. *The Treadmill of Destruction: The Ecological Calamity of War*. Prospectus and several completed draft chapters to be submitted in 3<sup>rd</sup> quarter of 2026.

**Lengefeld, Michael**. *The Destroyer of Worlds: Social and Environmental Legacies of Nuclear Warmaking*. Prospectus and two completed draft chapters to be submitted in 2<sup>nd</sup> quarter of 2026.

**Lengefeld, Michael**, Vic Say\*, Emily Haberlack\*, Alissa Cordner, Phil Brown, Caroline Hopkins\*\*. 2026. "The Alchemy of Anti-reflexivity: The Countermovement to Undermine PFAS Science and Policy."

**Lengefeld, Michael**, Chad Smith, Vic Say\*, and Gregory Hooks. 2026. "Blind Spots in the Study of War and Climate Change."

Torelli, Julian, and **Michael Lengefeld**. 2026. "Dead Earth: Genocide-Ecocide Nexus in the Indonesian Invasion and Occupation of East Timor (1975-1999)."

## **OTHER PUBLICATIONS**

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Sellers, Chris, Scout Blum, Ellen Kohl, Marianne Sullivan, Leif Fredrickson, Shannan Lenke Stoll, **Michael Lengefeld**, Kim Barrett, Anna Levy, and EDGI. 2025. *Burning Down the EPA: Documenting the Second Trump Administration's Historic Assault*. September 3.

**Lengefeld, Michael**. 2025. "Data Democracy: An Interview with Environmental Sociologists on the Environmental Data and Governance Initiative." *American Sociological Association, Environmental Sociology Newsletter*, Spring.

**Lengefeld, Michael**, Greg Hooks, and Chad Smith. 2020. "Social Science Contributions to the Study of Zoonotic Spillover: Normal Accidents and Treadmill Theory." *This View of Life (TVOL)*.

## **HONORS, RESEARCH FUNDING ACTIVITY, AND SUPPORT**

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|---------|--|
| 2024-26 | Ruth L. Kirschstein National Research Service Award, National Institutes of Environmental Health Sciences (T32). (\$147,087) |
| 2023    | Professional Improvement Grant, Bemidji State University. (\$1,200).   |
| 2023    | Sociology IFO Faculty Travel & Research Grant, Bemidji State University. (\$1,500)   |
| 2023    | Faculty Service-Learning Fellow, Bemidji State University. (\$1,500).  |

- 2017 Arnold and Julia Greenwell Memorial Scholarship for Social Sciences and Humanities, Washington State University Graduate School (\$1,000).
- 2016 Susan & Sarah Dolan Memorial Scholarship, Washington State University (\$1,000).
- 2015 Yoder Memorial Graduate Fellowship, Washington State University (\$500).
- 2014 Thomas S. Foley Fellowship, Foley Institute for Public Policy (\$1,500).
- 2012-18 Graduate Teaching Assistantship, Sociology, Washington State University.
- 2010-11 Graduate Teaching Assistantship, Sociology, Texas State University.

**CONFERENCE PRESENTATIONS**

- 2025 **Lengefeld, Michael.** “Strategic Countermovement Efforts to Undermine PFAS Science, Policy, and Public Health.” Understanding PFAS Contamination: Spatial analysis, activism, and health and toxicity data. American Public Health Association Conference, November. Washington, DC.
- 2025 **Lengefeld, Michael,** Alissa Cordner, Phil Brown, Grace Poudrier, and Kimberly Garrett. “Treadmills, Unseen Military Science, and the Inertia of ‘Forever Chemicals’.” American Sociological Association Conference, August. Chicago, IL.
- 2025 **Lengefeld, Michael,** Alissa Cordner, Phil Brown, Caroline Hopkins. “The Alchemy of Anti-reflexivity: The Countermovement to Undermine PFAS Science and Policy.” American Sociological Association Conference, August. Chicago, IL.
- 2024 **Lengefeld, Michael,** Gregory Hooks, and Chad Smith. “The Treadmill of Destruction and Nuclear Weapons Riskscapes.” American Sociological Association Conference, August. Montreal, Quebec.
- 2023 Smith, Chad, Greg Hooks, and **Michael Lengefeld.** “A Case-Oriented Analysis of Climate Change Drivers: The Role of the Treadmills of Production and Destruction.” American Sociological Association Conference, August. Philadelphia, PA.
- 2023 Hooks, Greg, **Michael Lengefeld,** and Julian Torelli. “Ukraine, NGOs, and Twitter: Imperial Tentacles and the Framing of Tweets.” War and Society Conference, ASA Section on Peace, War and Social Conflict, August. Philadelphia, PA.
- 2023 **Lengefeld, Michael,** Lukas Szrot, Jozie Nummi, Rucha Ambikar. “Cultivating empathy and building community in the classroom: Comparing approaches.” Midwest Sociological Society annual conference, March. Minneapolis, MN.
- 2022 **Lengefeld, Michael.** “Callous cruelty and blow back: ICE facilities, riskscapes and community transmission of COVID-19.” Honors Council Lecture, Bemidji State University, November. Bemidji, MN.

- 2022 **Lengefeld, Michael.** 8th Annual University of Maryland Symposium on Environmental Justice and Health Disparities. Session on Black Lives Matter and Environmental Justice. College Park, MD (virtual).
- 2021 **Lengefeld, Michael.** "Evolutionary Science & Sociology: A New Beginning." *TVOL* (virtual)
- 2020 **Lengefeld, Michael,** Gregory Hooks, and Chad Smith. "The Double Diversion and the Treadmill of Destruction: National Sacrifice and National Security in Cold War." American Sociological Association Conference. San Francisco (virtual).
- 2019 Hooks, Gregory, **Michael Lengefeld,** and Chad Smith. "Recasting the Treadmills of Production and Destruction: New Theoretical Directions." American Sociological Association Conference. New York.
- 2017 Hooks, Gregory, **Michael Lengefeld,** and Chad Smith. "Recasting the Treadmills of Production and Destruction: New Theoretical Directions." Sociology of Development Conference, October. Wayne State University, Detroit.
- 2017 Hooks, Gregory, **Michael Lengefeld,** and Chad Smith. "Recasting the Treadmills of Production and Destruction: New Theoretical Directions." American Sociological Association Conference. Montreal, Canada.
- 2016 **Lengefeld, Michael.** "Treadmills and Unsustainable Development: Illegal Commodity Chains, Militarism, and Deforestation in the Andean Region," Society for the Study of Social Problems Conference, Seattle.
- 2013 Smith, Chad, Gregory Hooks, and **Michael Lengefeld.** "Drones, the Treadmill of Destruction and Risk-Transfer Militarism in the Global South." Sociology of Development Conference, October. University of Utah, Salt Lake City.

## **TEACHING EXPERIENCE**

### ***Bemidji State University***

Sociological Theory  
 Environmental Sociology  
 Sociology of Health and Medicine  
 Sociology of the Family  
 Social Class and Inequality  
 Race and Ethnicity  
 Qualitative Research Methods

### ***Widener University***

Social Problems  
 Sociology of the Family  
 Introduction to Sociology

### ***Goucher College***

Senior Capstone in Environmental Studies  
Environmental Sociology  
Environmental Statistics and Analysis  
Introduction to Environmental Studies  
Goucher Prison Education Project: Introduction to Environmental Studies  
Writing and Interpreting Social Life  
Qualitative Research Methods  
Development, Justice, and Social Change

### ***Gonzaga University***

Environmental Sociology

### ***Washington State University***

Quantitative Techniques  
Environmental Sociology  
Sociology of Film  
Introduction to Social Research  
Social Problems  
Introduction to Sociology

### **TECHNOLOGICAL SKILLS**

Software: R, STATA, SPSS, ArcGIS/QGIS, HTML5, Microsoft Office (Word, Excel, Powerpoint)  
Learning Management Systems: Blackboard, D2L, Canvas, Starfish, Navigate

### **PROFESSIONAL DEVELOPMENT**

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- 2026 "What makes EJ a game changer in these times." T32 Training, Charles Lee, Howard University Law School.
- 2025 "Strategies for evaluating the impacts of a major piece of environmental legislation: What we've learned from studying Proposition 65." T32 Training, Jennie Ohayon and Kristin Knox, Silent Spring Institute.
- 2025 "Environmental Justice in Massachusetts environmental policy." T32 Training, Maria Belen Power, Undersecretary of MA Executive Office of Environmental Affairs.
- 2025 "Beauty justice: Translating chemical data for community-engaged research and structural change." T32 Training, Elissia Franklin, Silent Spring Institute.
- 2025 "Careers in environmental health: Experiences of a recently departed scientist at ATSDR." T32 Training, Rachel Rogers, former scientist at ATSDR.
- 2025 "Science writing & communication." T32 Training, Alex Goho, Silent Spring Institute.
- 2024 "Exposure Science." T32 Training, Dr. Robin Dodson, Silent Spring Institute.
- 2023 "Empathy by Design." D2L Online Course Design Certification.
- 2022 "D2L: Improving Instructor to Student Interaction." Online Course Design Certification.

2022 “Beyond War Ecologies: Green Ways Forward for Ukraine.” Stockholm International Peace Research Institute, Webinar.

### **PROFESSIONAL AFFILIATIONS**

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2024-26 **American Public Health Association**  
2024-26 Conflict and Environment Observatory (CEAN)  
2012-26 **American Sociological Association**  
Section on Environmental Sociology

### **MEDIA COVERAGE**

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Englund, Molly. 2021. “Q & A with **Michael Lengefeld.**” *Goucher Magazine*.

**Lengefeld, Michael**, Greg Hooks, and Chad L. Smith. 2020. Feature article “Social Science Contributions to the Study of Zoonotic Spillover: Normal Accidents and Treadmill Theory”. *American Sociological Association, Section on Environmental Sociology, Fall 2020 Newsletter*.

**Lengefeld, Michael.** (Performer, radio) 2020, December 7. “Concussion and youth sports” in Davis, M. (Host) *Morning News with Mike Davis*. 790 KGMI Radio.

Preidt, Robert. 2020, December 3. “Football-loving States Drop the Ball on Concussion: Study.” *U.S. News and World Report*. <https://www.usnews.com/news/health-news/articles/2020-12-03/football-loving-states-drop-the-ball-on-concussion-study>

Zaske, Sara. 2020, December 1. “Football-loving states slow to enact youth concussion laws.” *WSU Insider: Washington State University*. Lake City.

### **ADMINISTRATIVE, ACADEMIC, AND COMMUNITY SERVICE**

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#### **American Sociological Association**

2022-26 Environmental Sociology Section, Digital Communications Co-chair, Webmaster.  
2025 Environmental Sociology Section, Sub-committee, Panel Reviewer.

#### **Academic Service**

2016-23 Ad-Hoc Referee: *Social Forces; Energy Research and Social Science; Sociology of Development; Human Ecology Review*.  
2021 IPCC Working Group III, Contribution to the IPCC Sixth Assessment Report.

#### **Bemidji State University**

2023 Contributor to the Center for Professional Development video series: “Diversity, Equity, and Inclusion Concept Chat Series: Environmental Justice.”  
2023 Report author: “Pathways to Success: Bemidji State University, Labor Market Trends, and Student Career Pathways.”  
2022-23 Environmental Advisory Council.  
2022-23 Selection Committee for the Undergraduate Sustainable Campus Research and Community Engagement Award.  
2022 Recruitment, Sociology and Communication Department.

2022 United Way, Backpack Buddies Community Food Insecurity Program.

***Goucher College***

2020 Instructor, Goucher Prison Education Project (GPEP).

2020 Assessment, Sociology and Anthropology Writing Proficiency Evaluation.

2020 Assessment, Environmental Studies Capstone.

***Gonzaga University***

2018 Invited Presentation, "Violence, Food, Water."

2018 Invited Presentation, "GIS and Socio-spatial Analysis."

***Washington State University***

2018 Representative, Palouse-Clearwater Food Coalition Food Summit.

2016-17 Assessment Evaluator - Statistics and Capstone Courses.

2015-16 Recruitment, Sociology Department.

2015-17 Co-Founder-Organizer, Food Recovery Network, WSU, Pullman.