

Michael Lengefeld

Curriculum Vitae

Department of Sociology & Anthropology
Northeastern University

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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

- 2024-26 **Postdoctoral Research Associate**, Social Science Environmental Health Research Institute, Northeastern University
- 2022-24 **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

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 Cordner. 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 Overdevest. 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'."

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

BOOKS AND MANUSCRIPTS IN PREPARATION

Lengefeld, Michael, Vic Say*, Emily Haberlack*, Alissa Cordner, and Phil Brown. 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)."

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 4th 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 3rd quarter of 2026.

OTHER PUBLICATIONS

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

- 2026 **Lengefeld, Michael**, Alissa Cordner, Phil Brown, Julia Varshavsky. "Extinguishing A Candle in the Dark: Executive Authority and Politicized PFAS Science and Policy." American Sociological Association Conference, August. New York.
- 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 Risksapes." 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, risksapes 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

- 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

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

MEDIA COVERAGE

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

Alliance for a Healthy Tomorrow

2024-26

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.

Environmental Data and Governance Initiative (EDGI)

2024-26

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."

Tribal PFAS Working Group

2024-26

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.