

SARA ANN WYLIE

CONTACT INFORMATION

360 Huntington Avenue, 335INV

Boston, MA 02115

Social Science Environmental Health Research Institute

Northeastern University

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Website: <https://sarawylie.com/>

EDUCATION

Massachusetts Institute of Technology

2011 PhD in History, Anthropology, Science, Technology and Society (HASTS)

- Dissertation: “Corporate Bodies and Chemical Bonds: An STS analysis of natural gas development in the United States”
- Advisor: Stefan Helmreich (Chair), Michael Fischer, Joseph Dumit, Christine Walley and Susan Silbey.

University of Chicago

2002 BA with General Honors in the College and Honors in Anthropology

- Anthropology Honors Thesis Title: “Century City: Cape Town’s New Way of Life?”
- Honors Thesis Advisor: Jean Comaroff

EMPLOYMENT

2020-Present Associate Professor, joint appointment in Sociology/Anthropology and Health Sciences, Social Science Environmental Health Research Institute (SSEHRI)

Associate Director of Community Engagement, Northeastern University

2013-2020 Assistant Professor, joint appointment in Sociology/Anthropology and Health Sciences, Social Science Environmental Health Research Institute (SSEHRI)

Associate Director of Community Engagement, Northeastern University

2012 Senior Research Scientist, Social Science Environmental Health Research Institute, Northeastern University

2010-2012 Part-Time Faculty Rhode Island School of Design (RISD) Digital+Media Department

2010-2012 Director of Toxics and Health Research and co-founder of Public Laboratory for Open Technology and Science <http://publiclab.org/>

2002-2004 Research Assistant and Lab Manager, Joan Ruderman Lab, Department of Cell Biology Harvard University

PUBLICATIONS

Books

Wylie, Sara. 2018. *Fractivism: Corporate Bodies and Chemical Bonds*. Duke University Press's Experimental Futures series.

Reviewed Articles

*Graduate at Northeastern University,

**Undergraduate at Northeastern University

***Graduate student at another University

Published:

Nost, E., **S. Wylie**, K. Breseman, G. Gehrke, C. Sellers, L. Vera, L. Richter, B. Mansfield, and Environmental Data & Governance Initiative (EDGI). A Green New Deal for Environmental Data. *Science for the People*. 23(2): 72-75.

Nost, E., Gehrke, G., Poudrier, G., Lemelin, A., Beck, M., **Wylie, S.**, & Initiative, E. D. a. G. (2020, July 31). Explaining change and fostering accountability in digital environmental governance. <https://doi.org/10.31235/osf.io/6vsjc>.

L. J. Perovich, **S. A. Wylie** and R. Bongiovanni, "Chemicals in the Creek: designing a situated data physicalization of open government data with the community," in *IEEE Transactions on Visualization and Computer Graphics*, DOI:10.1109/TVCG.2020.3030472.

Sofia Eleni Spatharioti, Borna Fatehi, Melanie Smith, Avery Rosenbloom, Josh Aaron Miller, Magy Seif El-Nasr, **Sara Wylie**, and Seth Cooper. 2020. Tile-o-Scope AR: An Augmented Reality Tabletop Image Labeling Game Toolkit. In *International Conference on the Foundations of Digital Games (FDG '20)*. Association for Computing Machinery, New York, NY, USA, Article 85, 1–4. DOI:<https://doi.org/10.1145/3402942.3403002>.

Tirell, Chris*, Laura Senier, **Sara Wylie**, Cole Alder**, Grace Poudrier*, Jesse DeValli*, Marcy Beck, Eric Nost, Rob Brackett and Gretchen Ghekre, The Environmental Data Governance Initiative. 2020. "Learning in Crisis: Training students to monitor and address irresponsible knowledge construction by U.S. federal agencies under Trump." *Engaging Science, Technology, and Society*. [S.l.], v. 6, p. 81-93, Jan. DOI:<https://doi.org/10.17351/ests2020.313>.

Vera, Lourdes*, Garance Malivel***, Drew Michanowicz, Choong-Min Kang, **Sara Wylie**. 2020. "Photographic Paper as a Tool for Community-Level Monitoring of Industrially Produced Hydrogen Sulfide and Corrosion." *Atmospheric Environment X*, Special Issue on Citizen Science. 5, 100049. DOI: <https://doi.org/10.1016/j.aeaoa.2019.100049>

Sofia Eleni Spatharioti*, **Sara Wylie**, Seth Cooper. 2019. "Using Q-Learning for Sequencing Level Difficulties in a Citizen Science Matching Game". *Extended Abstracts of the 2019 Annual Symposium on Computer-Human Interaction in Play (CHI PLAY 2019)* pp. 679-686. <https://doi.org/10.1145/3341215.3356299>

Dillon, Lindsey, Rebecca Lave, Becky Mansfield, **Sara Wylie**, Nicholas Shapiro, Anita Say Chan, and Michelle Murphy. 2019. "Situating Data in a Trumpian Era: The Environmental Data and Governance Initiative." *Annals of the American Association of Geographers*, 109(2), 545-555. DOI: 10.1080/24694452.2018.1511410.

- Kenny, Catherine***, Max Liboiron, Sara A. Wylie. 2019. "Seeing power with a flashlight: DIY thermal sensing technology in the classroom." *Social Studies of Science*, 49(1), 3–28. DOI: 10.1177/0306312718823282.
- Vera, Lourdes A.,* Lindsey Dillon, Sara A. Wylie, Jennie L. Ohayon, A. Lemelin, Phil Brown, Christopher Sellers, Dawn Walker,***, The Environmental Data Governance Initiative. 2018. "Data Resistance: A Social Movement Organizational Autoethnography of the Environmental Data and Governance Initiative." *Mobilization: An International Quarterly*, 23(4), 511-529. DOI: 10.17813/1086-671X-24-4-511.
- Perovich, Laura***, Sara Wylie and Roseann Bongiovanni. 2018. "Pokémon Go, pH, and projectors: applying transformation design and participatory action research to an environmental justice collaboration in Chelsea, MA." *Cogent Arts & Humanities*, 5(1), 1-22. DOI: 10.1080/23311983.2018.1483874.
- Fredrickson, Leif, Christopher Sellers, Lindsey Dillon, Jennifer Liss Ohayon, Nicholas Shapiro, Marianne Sullivan, Stephen Bocking, Phil Brown, Vanessa de la Rosa, Jill Harrison, Sara Johns, Katherine Kulik, Rebecca Lave, Michelle Murphy, Liza Piper, Lauren Richter*, and Sara Wylie. 2018. "History of US presidential assaults on modern environmental health protection." *American Journal of Public Health*, 108(S2) S95-S103. DOI: 10.2105/AJPH.2018.304396.
- Dillon, Lindsey, Christopher Sellers, Vivian Underhill, Nicholas Shapiro, Jennifer Liss Ohayon, Marianne Sullivan, Phil Brown, Jill Harrison, Sara Wylie. 2018. "EPA Under Siege" Writing Group. "The Environmental Protection Agency in the Early Trump Administration: Prelude to Regulatory Capture." *American Journal of Public Health* 108 (S2): S89-S94. DOI: 10.2105/AJPH.2018.304360.
- Spatharioti, Sofia Eleni*, Sara Wylie and Seth Cooper. 2018. "Does Flight Path Context Matter? Impact on Worker Performance in Crowdsourced Aerial Imagery Analysis." Presented in Proceedings of the Information Systems for Crisis Response and Management (ISCRAM) 2018 Conference, Rochester, NY, USA.
http://idl.iscram.org/files/sofiaelenispatharioti/2018/1584_SofiaEleniSpatharioti_etal2018.pdf.
- Dillon, Lindsey, Walker Dawn***, Shapiro Nicholas, Underhill Vivian, Martenyi Megan, Wylie Sara, Lave Rebecca, Murphy Michelle, Brown Phil, and The Environmental Data and Governance Initiative. 2017. "Environmental Data Justice and the Trump Administration: Reflections from the Environmental Data and Governance Initiative." *Environmental Justice*, 10(6), 186-192. DOI: 10.1089/env.2017.0020.
- Wylie, Sara, Shapiro, Nick, & Liboiron, Max. 2017. "Making and Doing Politics through Grassroots Scientific Research on the Energy and Petrochemical Industries." *Engaging Science, Technology, and Society*, 3, 393-425. DOI: 10.17351/ests2017.134.
- Wylie, Sara, Elisabeth Wilder*, Lourdes Vera*, Deborah Thomas, and Megan McLaughlin. 2017. "Materializing Exposure: Developing an Indexical Method to Visualize Health Hazards Related to Fossil Fuel Extraction." *Engaging Science, Technology, and Society*, 3, 426-463. DOI: 10.17351/ests2017.123.
- Matz, Jacob*, Sara Wylie, and Jill Kriesky. 2017. "Participatory Air Monitoring in the Midst of Uncertainty: Residents' Experiences with the Speck Sensor." *Engaging Science, Technology, and Society*, 3, 464-498. DOI: 10.17351/ests2017.127.

- Spatharioti, Sofia Eleni*, Rebecca Govoni, Jennifer S. Carrera, **Sara Wylie** and Seth Cooper. 2017. "A Required Work Payment Scheme for Crowdsourced Disaster Response: Worker Performance and Motivations." Presented in Proceedings of the Information Systems for Crisis Response and Management (ISCRAM) 2017 Conference, Albi, France. http://www.ccs.neu.edu/home/scooper/index_files/pub/spatharioti2017required.pdf
- Wylie, Sara**, Kim Schultz, Deborah Thomas, Chris Kassotis and Susan Nagel. 2016. "Inspiring Collaboration: The Legacy of Theo Colborn's Trans-disciplinary Research on Fracking." *New Solutions: A Journal of Environmental and Occupational Health Policy*, 26(3), 360-388. DOI: [10.1177/1048291116666037](https://doi.org/10.1177/1048291116666037).
- Willow, Anna and **Sara Wylie**. 2014. "Politics, ecology, and the new anthropology of energy: exploring the emerging frontiers of hydraulic fracking." *Journal of Political Ecology*, 21(1):222-236. <https://journals.uair.arizona.edu/index.php/JPE/article/view/21134/20722>.
- Wylie, Sara** and Len Albright. 2014. "WellWatch: reflections on designing digital media for multi-sited para-ethnography." *Journal of Political Ecology*, 21(1): 320-348. <https://journals.uair.arizona.edu/index.php/JPE/article/view/21139/20727>.
- Wylie, Sara**, Kirk Jalbert, Shannon Dosemagen, and Matt Ratto. 2014. "Institutions for civic technoscience: How critical making is transforming environmental research." *The Information Society*, 30(2),116-126. DOI: 10.1080/01972243.2014.875783.
- Ratto, Matt, **Sara Wylie**, and Kirk Jalbert***. 2014. "Introduction to the Special Forum on Critical Making as Research Program." *The Information Society*, 30(2), 85-95. DOI: 10.1080/01972243.2014.875767.
- Wylie, Sara**. 2011. "Hormone Mimics and their Promise of Significant Otherness." *Science as Culture*, 21(1), 49-76. DOI: 10.1080/09505431.2011.566920.
- Dosemagen, Shannon, Jeff Warren, **Sara Wylie**. 2011. "Grassroots Mapping: Creating a participatory map-making process centered on discourse." *Journal of Aesthetics and Protest*, 8. <https://www.joaap.org/issue8/GrassrootsMapping.htm>.

Book Chapters

- Wylie, Sara**. 2015. "Securing the Natural Gas Boom: The Role of Science, the Academy and Regulatory Capture in the Exemption of Hydraulic Fracturing from Regulatory Oversight." In *Subterranean Estates: Life Worlds of Oil and Gas*. Hannah Appel, Arthur Mason and Michael Watts (eds). Cornell University Press.

Other

Book Reviews (By Wylie):

- Wylie, Sara. 2016. *Ghost Stories for Darwin: The Science of Variation and the Politics of Possibility*. By Banu Subramaniam. Urbana: University of Illinois Press, 2014. *Sex Itself: The Search for Male and Female in the Human Genome*. By Sarah S. Richardson. Chicago: University of Chicago Press, 2013. *Women, Science, and Technology: A Reader in Feminist Science Studies*. 3rd ed. Edited by Mary Wyer, Mary Barbercheck, Donna Cookmeyer, Hatice Ozturk, and Marta Wayne. New York: Routledge, 2013. *Signs* Special Issue on Science, Technology and Society. [Volume 41, Issue 3](#), pp. 716 – 720.

Book Reviews (of Wylie's *Fractivism*):

- Matthan, Tanya. (2020). Review of *Fractivism: Corporate Bodies and Chemical Bonds* by Sara Ann Wylie. "Resource Politics and Entangled Lives in Extraction Zones." *PoLAR Journal*. (<https://polarjournal.org/2020/09/14/resource-politics-entangled-lives/>).
- O'Hare, Patrick, and Anna Szolucha. (2019). Review of *Fractivism: Corporate Bodies and Chemical Bonds* by Sara Ann Wylie. *The Cambridge Journal of Anthropology* 37(1):123-126. DOI: 10.3167/cja.2019.370110.
- Cohen, Daniel Aldana. (2019). Review of *Fractivism: Corporate Bodies and Chemical Bonds* by Sara Ann Wylie. *American Journal of Sociology* 124(6): 1862-1864. DOI: 10.1086/704025.
- Schorpp, Kristen M. 2018. "We Do Not Exist." *Nature and Culture*, 13(3):403-410. DOI: 10.3167/nc.2018.130305.
- Miles, Taylor. 2019. Review of *Fractivism: Corporate Bodies and Chemical Bonds* by Sara Ann Wylie. *SYNOPTIQUE: An Online Journal of Film and Moving Image Studies* 8(1):120-125. Retrieved September 13, 2019 (<https://synoptique.ca/wp-content/uploads/2019/03/8.1-Taylor.pdf>).
- Chico, Tita. 2019. Science and Medicine, *The Year's Work in Critical and Cultural Theory*, Oxford University Press. DOI: 10.1093/ywcc/mbz002.
- Hall, Victor. 2019. Review of *Fractivism: Corporate Bodies and Chemical Bonds* by Sara Ann Wylie. *Natural Resources Journal* 59(243). Retrieved September 13, 2019. (<https://digitalrepository.unm.edu/nrj/vol59/iss1/11>).
- Poole, Amanda. 2018. Review of *Fractivism: Corporate Bodies and Chemical Bonds* by Sara Ann Wylie. *Conservation and Society* 16(4):525-526. Retrieved on September 13, 2019. (<http://www.conservationandsociety.org/article.asp?issn=0972-4923;year=2018;volume=16;issue=4;spage=525;epage=526;aulast=Poole>).
- Field, M.S. (first name unlisted). 2018. Review of *Fractivism: Corporate Bodies and Chemical Bonds* by Sara Ann Wylie. *Choice* 56(2). Retrieved September 13, 2019. (<http://choicereviews.org/review/10.5860/CHOICE.210286>).
- Ladd, Anthony. 2018. Review of *Fractivism: Corporate Bodies and Chemical Bonds* by Sara Ann Wylie. *Mobilization: An International Quarterly* 23(3):393-394. Retrieved September 13, 2019. (<http://mobilizationjournal.org/doi/pdf/10.17813/1086-671X-23.3.385>).

Congressional Testimony:

- Seller, Chris, Leif Frederickson, Marianne Sullivan, **Sara Wylie** and Kelsey Breseman. 2019 "EPA's Enforcement Program: Taking the Environmental Cop off the Beat." Oversight and Investigations Subcommittee Energy and Commerce Committee, United States House of Representatives Hearing. February, 26th, 2019. Retrieved September 13, 2019. (<https://envirodatagov.org/edgis-congressional-testimony-for-energy-and-commerce-subcommittee-hearing-epa-enforcement-taking-the-environmental-cop-off-the-beat/>).

Public Research Reports:

- “Democratizing Data: Environmental Enforcement Watch’s Report Cards for Congressional Oversight of the EPA.” October 22, 2020. Retrieved December 22, 2020.
<https://envirodatagov.org/publication/democratizing-data-environmental-enforcement-watches-report-cards-for-congressional-oversight-of-the-epa/>.
- Eric Nost, Kelsey Breseman, Steve Hansen, Leslie Alanis, Megan Raisle, Lourdes Vera, Maalvika Bhat, **Sara Wylie**, Sung-Gheel (Gil) Jang, and EDGI. 2020. “More Permission to Pollute: The Decline of EPA Enforcement and Industry Compliance during COVID.” Environmental Data and Governance Initiative. Published August 13, 2020. Retrieved December 22, 2020.
<https://envirodatagov.org/more-permission-to-pollute-the-decline-of-epa-enforcement-and-industry-compliance-during-covid/>.
- Nost, Eric, Gretchen Gehrke, Aaron Lemelin, Steven Braun, Marcy Beck, Rob Brackett, Dan Allan, **Sara Wylie**, Kelsey Breseman, Stephanie Knutson, Anastasia Aizman, Maya Anjur-ietrich, Sara Johns, Katherine Kulik, Kevin Nguyen, Toly Rinberg, Jacob Wylie and EDGI. 2019. “New Digital Landscape.” Environmental Data and Governance Initiative. Published July 17, 2019. Retrieved August 30, 2019.
<https://envirodatagov.org/new-digital-landscape/>.
- Wylie, Sara** and Rebecca Lave (series editors). 2017. “The First 100 Days and Counting.” Environmental Data and Governance Initiative’s Public Peer-Reviewed reports on the Trump administration changes to federal environmental governance.
<https://100days.envirodatagov.org/>.
- Sellers C, Dillon L, Ohayon JL, Shapiro N, Sullivan M, Amoss C, Bocking S, Brown P, De la Rosa V, Harrison J, Johns S, Kulik K, Lave R, Murphy M, Piper L, Richter L*, **Wylie S**. 2017. “EPA under siege: Trump’s assault in history and testimony.” The First 100 Days and Counting, Part I. Environmental Data and Governance Initiative.
<https://envirodatagov.org/publication/the-epa-under-siege/>. Published June 19th. Accessed July 9, 2017.
- Paris , Britt S. **, Lindsey Dillon, Jennifer Pierre, Irene V. Paschetto, Emily Marquez, **Sara Wylie**, Michelle Murphy, Phil Brown, Rebecca Lave, Chris Sellers, Becky Mansfield, Leif Fredrickson, Nicholas Shapiro, EDGI. 2017. “Pursuing a Toxic Agenda: Environmental Injustice in the early Trump Administration.” The First 100 Days and Counting Part II. Environmental Data and Governance Initiative. Published September.
<https://100days.envirodatagov.org/pursuing-toxic-agenda/>.
- Villa, Priscilla, Vera Lourdes*, **Wylie, Sara**, Sharon, Wilson. 2017. “Hazards in the Air: Relating reported illnesses to air pollutants detected near oil and gas operations in and around Karnes County, Texas.” *Earthwork’s Oil & Gas Accountability Project*. April 29, 2017. Retrieved September 13, 2019.
https://www.earthworksaction.org/library/detail/hazards_in_the_air.
- Villa, Priscilla, Vera Lourdes*, **Wylie, Sara**, Sharon, Wilson. 2017. (Spanish Language Translation). “Peligros en el Aire: Relacionando enfermedades reportadas a los contaminantes del aire detectados cerca de las operaciones de petróleo y gas dentro y alrededor del Condado de Karnes, Texas.” *Earthwork’s Oil & Gas Accountability Project*.

Published September 19, 2017. Retrieved September 13, 2019.
(https://www.earthworksaction.org/library/detail/peligros_en_el_aire#.WclhXtN94Wo).

Awards and Honors

- 2020 2020 Rachel Carson Book Prize. Society for Social Studies of Science (4S). *Fractivism: Corporate Bodies and Chemical Bonds*, Duke University Press. Awarded for books in Science and Technology Studies with distinctive social and political relevance.
- 2019 Association of American Publishers (AAP) PROSE Award Finalist in Anthropology, Criminology and Sociology. *Fractivism: Corporate Bodies and Chemical Bonds*, Duke University Press.
- 2019 Nominated for Northeastern Bouvé College of Health Sciences Kenerson Faculty Scholarship Award which recognizes a Bouvé faculty member who has shown a commitment to improving the health of people in the urban community through interdisciplinary research and teaching activities.
- 2019 Nominated for the Northeastern University Robert D. Klein University Lecture which honors a member of the faculty who has contributed with distinction to his or her own field of study. The Klein University Lecture enables that faculty member to share the fruits of that scholarship with the university community and the general public.
- 2018 Diana Forsythe Prize, American Anthropological Association: The Society for the Anthropology of Work (SAW) and the Committee for the Anthropology of Science, Technology, and Computing (CASTAC), a committee of the General Anthropology Division (GAD), for *Fractivism: Corporate Bodies and Chemical Bonds*. The Diana Forsythe Prize celebrates the best book or series of published articles in the spirit of Diana Forsythe's feminist anthropological research on work, science, or technology, including biomedicine.
- 2018 Nominated for the Northeastern University Robert D. Klein University Lecture which honors a member of the faculty who has contributed with distinction to his or her own field of study. The Klein University Lecture enables that faculty member to share the fruits of that scholarship with the university community and the general public.
- 2017 Selected as 1 of 20 under 40 Pioneers in Environmental Public Health Award from the Collaborative on Health and the Environment. "These 20 pioneering researchers and advocates were nominated by a committee of senior leaders and luminaries in environmental public health."
<https://www.healthandenvironment.org/our-work/webinars/pioneers-under-40-series>

- 2017 Society for Social Study of Science Award for Distinguished Contribution to Making and Doing in STS for "Environmental Data and Governance Initiative (EDGI): Engaged STS Responding to the U.S. Administration" for theorizing and enacting a heterogeneous collaboration dedicated to the care, imagination, and the re-imagination of environmental data and data justice.
<http://www.4sonline.org/prizes/makingdoing>
- 2017 J. Franklin Jameson Archival Advocacy Award: Environmental Data and Governance Initiative. Society of American Archivists. The Environmental Data and Governance Initiative (EDGI) is the 2017 recipient of the J. Franklin Jameson Archival Advocacy Award given by the Society of American Archivists (SAA). The award honors an individual, institution, or organization that promotes greater public awareness, appreciation, or support of archival activities or programs. <https://www2.archivists.org/node/21821>
- 2015 Elected to the Society for Social Studies of Science (4S) council for three-year term.
- 2014 Presented Public Lab for the 1st White House Maker Fair hosted by President Barack Obama. Online:
<https://publiclab.org/notes/sara/06-19-2014/report-on-1st-white-house-maker-fair-e-june-18th-2014>
- 2013 Northeastern Humanities Center Resident Fellowship Program: Viral Cultures.
- 2011 Mullin's Prize Winner for Best Graduate Student Paper, Society for Social Study of Science (4S) "Hormone Mimics and their Promise of Significant Otherness." *Science as Culture*.
- 2011 Prix ARS Electronica Honorable Mention- Digital Communities, Public Laboratory for Open Technology and Science.
- 2011 Knight News Challenge Winner. Public Laboratory for Open Technology and Society: publiclab.org. Knight Foundation.
- 2008 Winner MIT HASTS Program Benjamin Siegel Prize for Outstanding Graduate Student Paper: "Mimetic Designs Desires And Disorders: A Transformative History of Juvenile Hormone."
- 2007 Honorable Mention, MIT HASTS Benjamin Siegel Prize for Outstanding Graduate Student Paper: "Becoming Beagle: Following a Disruptive System, Forming a Disruptive Science."

- 2005-2007. National Science Foundation (NSF) Integrated Graduate Education and Research Traineeship (IGERT). Sara Wylie (Graduate Fellow MIT: Program on Emerging Technologies (PoET) (Tuition and Stipend).
- 2005 NSF Graduate Research Fellowship Honorable Mention.
- 2002 Phi Beta Kappa, Beta Chapter of the University of Chicago.
- 2002 University of Chicago, Community Service Award for starting and teaching art classes in a shelter for women recovering from drug addictions and their children.
- 1998-2002 Dean's List, University of Chicago.

CREATIVE ACTIVITY

1. Publications

Media Coverage:

External

2020. Grandoni, Dino. "The Energy 202: Ed Markey uses climate change to flip insurgent script on Joe Kennedy in Mass. race." *The Washington Post*. Published August 25, 2020. Retrieved December 22, 2020.
2020. Knickmeyer, Ellen, et al. "Thousands allowed to bypass environmental rules in pandemic." *AP*. Published August 24, 2020. Retrieved December 22, 2020. (<https://apnews.com/article/3bf753f9036e7d88f4746b1a36c1ddc4>).
2020. "EDGI report sees major monitoring gaps during pandemic." *Inside EPA*. Published August 18, 2020. Retrieved December 22, 2020. (<https://insideepa.com/daily-feed/edgi-report-sees-major-monitoring-gaps-during-pandemic>).
2019. "Youth Visualize Water Quality Data on the Chelsea Creek." *Partnerships in Environmental Public Health Newsletter* of the National Institute of Environmental Health Sciences, 10(8). Published August. Retrieved September 17, 2019 (www.niehs.nih.gov/research/supported/translational/peph/newsletter/2019/08/index.cfm).
2019. "Visualizing Environmental Justice on the Chelsea Creek." *MIT Media Lab*. Published April 22 2019. Retrieved September 17, 2019. (https://www.youtube.com/watch?v=w_cnEK0Rpm4).
2019. "Unfracking the Future through Developing Civic Technoscience." *University of California Television (UCTV)*. Series: "Ethics, Religion and Public Life: Walter H. Capps Center Series." Published February 10. Recorded on November 28, 2018. Retrieved September 17, 2019 (<https://www.youtube.com/watch?v=yUrFjin5iA>).

Robert Cribb, Patti Sonntag, Michael Wrobel, and P.W Elliot. 2018. “‘Off the chart’ air quality readings in Saskatchewan’s southeast raise new concerns — but little public warning” *Toronto Star*. Published October 16. Retrieved September 17, 2019: (<https://www.thestar.com/news/investigations/2018/10/16/air-quality-readings-in-saskatchewan-oil-producing-southeast-raise-new-concerns-but-little-public-warning.html>).

Robert Cribb, Patti Sonntag, Michael Wrobel, and P.W Elliot. 2018. “No fines. No public warning. And an ‘off the chart’ air quality indicator in Saskatchewan’s oil & gas country.” *Global News*. Published October 16. Retrieved September 17, 2019. (<https://globalnews.ca/news/4550691/no-fines-no-public-warning-and-an-off-the-chart-air-quality-indicator-in-saskatchewan-oil-gas-country/>).

The Crowd and the Cloud. 2017. “Sara Wylie and H₂S Sensors.” *PBS Mini-Series*. Episode 2. Citizens and Scientists. Retrieved September 17, 2019. (<http://crowdandcloud.org/sara-wylie-and-h2s-sensors>).

Northeastern Coverage

Ibelle, Bill. 2018. “Is citizen science the key to environmental justice?” *Northeastern University Bouvé College of Health Sciences*. Published December 13. Retrieved September 17, 2019. (<https://bouve.northeastern.edu/2018/12/13/is-citizen-science-the-key-to-environmental-justice/>).

St. Martin, Greg. 2017. “Northeastern to host ‘archive-a-thon’ to preserve federal science data.” *News@Northeastern*. Published March 24. Retrieved September 17, 2019. (<https://news.northeastern.edu/2017/03/24/northeastern-to-host-archive-a-thon-to-preserve-federal-science-data/>).

Balintfy, Joe. 2014. “Validating civic perspective, grassroots resources for environmental science. Environmental Factor.” *National Institute of Environmental Health Sciences*. Published January. Retrieved September 17, 2019. (<https://factor.niehs.nih.gov/2014/1/spotlight-civic/index.htm>).

Herring, Angela. 2014. “Re-Making Science.” *News@Northeastern*. Published June 23. Retrieved September 17, 2019. (<https://news.northeastern.edu/2014/06/23/re-making-science/>).

Herring, Angela. 2013. “Balloon Mapping!” *News@Northeastern*. Published November 6. Retrieved September 17, 2019. (<https://news.northeastern.edu/2013/11/06/balloon-mapping/>).

Podcasts:

- Wylie, Sara.** 2018. Episode 12: Fractivism. *What's New Podcast*. Published March 13. Retrieved September 17, 2019. (<https://whatsnewpodcast.org/>).
- Wylie, Sara** and Britt Paris. 2017. Environmental Injustice at the EPA. with Brit Paris. Cultures of Energy Podcast. Episode 91# Center for Energy & Environmental Research at Rice University September 19. Retrieved September 17, 2019. (<http://cenhs.libsyn.com/>).
- Wylie, Sara.** 2014. Citizen Science, NIEHS Partnership for Public Health Podcast. March 17. Retrieved September 24, 2019. (https://www.niehs.nih.gov/research/supported/translational/peph/podcasts/2014/mar17_citizen-science/index.cfm).

Blogs:

- Sky Murphy, Megan Raisle, Steve Hansen, Kelsey Breseman, Cole Alder, and **Sara Wylie**. "Biden's Pick for the Office of Public Engagement, Cedric Richmond, Profits While Polluting Industries in His District Avoid Culpability." *EDGI Blog*. December 11, 2020. Retrieved December 22, 2020. <https://envirodatagov.org/bidens-pick-for-the-office-of-public-engagement-cedric-richmond-profits-while-polluting-industries-in-his-district-avoid-culpability/>.
- Maalvika Bhat, **Sara Wylie**, Megan Raisle, Eric Nost, Cole Alder and EDGI. "Bio-Lab's Toxic Record Presages Chlorine-Fueled Fire Following Hurricane Laura." *EDGI Blog*. September 16, 2020. Retrieved December 22, 2020. <https://envirodatagov.org/bio-labs-toxic-record-presages-chlorine-fueled-fire-following-hurricane-laura/>.
- Jesse Divalli, **Sara Wylie**, Gretchen Gehrke. "DOI Adds "Recreation" Priority and Webpage, Continues to Lack Meaningful Focus on Other Priorities." *EDGI Blog*. June 16, 2020. Retrieved December 22, 2020. <https://envirodatagov.org/doi-adds-recreation-priority-and-webpage-continues-to-lack-meaningful-focus-on-other-priorities/>.
- Jesse DiValli, **Sara Wylie**, Gretchen Gehrke. 2019 "Worked for 'entities accused of violating DOI regulations' and other omissions in the (Nominated) Secretary for the Interior, David Bernhardt's, Official Bio." *EDGI Blog* March 28. Retrieved September 24, 2019. (<https://envirodatagov.org/worked-for-entities-accused-of-violating-doi-regulations-and-other-omissions-in-the-nominated-secretary-for-the-interior-david-bernhardts-official-bio/>)
- Phil Brown, **Sara Wylie**, Chris Seller. 2017. "Cutting through the rhetoric: An annotated guide to Scott Pruitt's first EPA address." *Environmental Health News*. March 3. Retrieved September 24, 2019. (<https://web.archive.org/web/20170309191819/http://www.environmentalhealthnews.org/ehs/news/2017/march/commentary-de-coding-pruitt>)
- Wylie, Sara.** 2013. "Public Laboratories: Designing and Developing Tools for Do-It-Yourself Detection of Hazards." *Limn* Issue 3 June. Sentinel Devices with Megan McLaughlin and Josh McIlvain.
- Wylie, Sara**, Adam Griffith and Jeffrey Warren. 2011. "From Grassroots Mapping to a Public Laboratory." *Citizen Science Quarterly* Vol. 1.
- Wylie, Sara**, Jeff Warren, and Shannon Dosemagen. 2011. "Public Laboratory: Don't Just Report Science, Do It!" *PBS MediaShift*. November 23.

Wylie, Sara and Shannon Dosemagen. 2011. "Public Lab Aims for Affordable Hydrogen Sulfide Sensors" *PBS MediaShift IdeaLab Blog*.

2. Presentations

Plenary and Keynote Presentations:

- 2020 Invited talk. Universidad Icesi in Colombia. “Tiempos de Crisis Energias Extremas? Discusiones Sobre el Fracking.” November 5, 2020.
- 2020 Invited talk. **virtual Prague**. “Author meets Critics: Carson Book Prize Session.” August 21, 2020.
- 2020 Invited talk. ASU Tempe campus. “Unfracking the Future through Civic Technoscience.” January 14, 2020.
- 2019 Plenary Lecture. University of Montana 14th Annual Earth Sciences Student Colloquium. “Unfracking the Future: Toward A Civic Technoscience.” April 16-18.
- 2018 Invited Public lecture for University of California Santa Barbara Capps Forum on Ethics and Public Policy. Capps Forum on Ethics and Public Policy addresses a wide range of ethical and policy topics and bring to Santa Barbara “eminent intellectuals and activists”. November 28. “Unfracking the Future: Toward A Civic Technoscience.”
- 2017 Collaborative on Health and the Environment 20 Pioneers in Environmental Public Health under 40 Award Webinar Series. December 6. Online:
<https://www.healthandenvironment.org/webinars/96378>
- 2014 *Society for Social Studies of Science* Annual Meeting Plenary Address: “STS in Practice: Developing a Civic Techno-science.” August 20. Buenos Aires, Argentina
- 2014 Invited presenter to President Barack Obama with Public Lab for the first White House Maker Faire. June 18. White House, Washington DC.
https://obamawhitehouse.archives.gov/sites/default/files/microsites/ostp/wh_maker_faire_background.pdf
- 2014 Keynote Speaker, Design Research Society, Sweden. (declined)
- 2013 Keystone Lecture, National Institute for Environmental Health Science (NIEHS) “Toward a Civic Science: Putting Tools for Rigorous Research into Public Hands.” December 9. Durham, North Carolina.
- 2012 Plenary Lecture with Shannon Dosemagen and Mathew Lippencott. Rensselaer Polytechnic Institute, Triple Helix, Technoscience as Activism Conference. “Public Laboratory for Open Technology and Science” June 27-29. Rensselaer Polytechnic Institute, Troy, NY. <http://www.3helix.rpi.edu/?p=2102>.

Invited Talks:

- 2020 “Unfracking the Future: Toward a Civic Technoscience”. Arizona State University Innovation Talk, School for the Future of Innovation in Society. January 14th.
- 2020 Senior JBP Fellow Presentation. Harvard TH Chan JPB Environmental Health Fellows Meeting, Arizona State University. January 13th.
- 2020 “Unfracking the Future: Toward a Civic Technoscience”. Northeastern University Marine and Environmental Science Seminar Series Presentations. January 16th.
- 2019 “Unfracking the Future: We owe that much and more to our children” Center for Health and the Environment. “Beyond TEDX” Public Webinar. October 23rd.

- 2019 “Designing Environmental Justice through Undoing Extractive Research Economies.” Cultures of Energy 8. Center for Energy and Environmental Research in the Human Sciences, April 11-13, Rice University, Houston, TX.
- 2019 “PreDoctoral Fellows Workshop: EXTRACTION.” Center for Energy and Environmental Research in the Human Sciences, Leading graduate student development of a public syllabus on Extraction studies, April 10, Rice University, Houston, TX.
- 2018 “Fractivism: Corporate Bodies and Chemical Bonds.” College of Social Science and Humanities and Bouvé College of Health Sciences: Invited Book Talk, October 18, Northeastern University, Boston MA.
- 2018 “Designing Environmental Justice through Undoing Extractive Research Economies.” Boundary Spanning: Advances in Socio-Environmental Systems Research An International Symposium. National Socio-Environmental Synthesis Center (SESYNC), June 11-13, Anapolis, MD.
- 2018 “Environmental Justice Across the Oil and Gas Industry.” Urban Environmental Justice Conference. Harvard University. Cambridge, MA. February 24.
- 2017 Sofia Eleni Spatharioti*, Rebecca Govoni*, Jennifer S. Carrera*, **Sara Wylie** and Seth Cooper. (2017) Cartoscope: A New Platform for Citizen Science and Disaster Response. Citizen Science Association Conference, St. Paul, MN. May 17-20.
- 2017 “Toward a Civic Technoscience.” University of Michigan, Science, Technology, and Public Policy (STPP) Program Seminar. Ford School of Public Policy at the University of Michigan, April 19, Ann Arbor, MI.
- 2017 “Values in environmental research: beyond a scientized politics and politicized science.” *American Association of Geographers*, Invited panelist. April 5.
- 2017 “Power and the People: Citizen Science and Understanding the Risks of Energy Production.” Energy and Culture Symposium, Panel presentation. “Toward a Civic Technoscience.” March 27-31, Carnegie Mellon University, Pittsburgh, PA.
- 2017 Lourdes Vera*. “Materializing Exposure: Developing methods for engaged STS research to visualize health hazards related to fossil fuel extraction.” STS Underground Network Workshop and Conference, February 5-7, School of Mines, Golden, CO.
- 2016 Sofia Eleni Spatharioti*, Rebecca Govoni*, Jennifer Carrera*, **Sara Wylie** and Seth Cooper. “Exploring Required Work and Progress Feedback in Crowdsourced Mapping.” AAAI Conference on Human Computation and Crowdsourcing, October 30-November 3, Austin, TX.
- 2016 “Toward a Civic Technoscience.” Seminar Speaker. Rubenstein School of the Environment and Natural Resources, October 6, University of Vermont, Burlington, VT.
- 2016 “Toward a Civic Technoscience.” Indexical Design Conference, June 25, Northeastern University, Boston, MA.
- 2016 “Toward a Civic Technoscience.” Anthropology Department Seminar Series, April 25, University of Chicago, IL.
- 2015 “Citizen Science: Changing the Face of Environmental Research.” Citizen Science Forum Talk, October 21, Environmental Protection Agency Region 1 Science Council, Boston, MA.
- 2015 “Approaches to Civic Media.” Boston Civic Media Kick Off, Boston Civic Media Consortium & Network, October 15, Emerson College, Boston, MA.

- 2015 “Civic Science: Building Tools and Platforms for Rigorous Public Research.” Panel: “Citizen Science – What is the Role of the Public Health and Government Laboratories.” Association of Public Health Laboratories Annual Meeting, May 19, Indianapolis, IN.
- 2015 “Shifting Energy Cultures.” Institute for Energy and Environment, the Center for STS, and the Center for Mobilities Research and Policy, May 27, Drexel University, Philadelphia, PA.
- 2015 "Advanced Monitoring, Remote Sensing, and Data Gathering, Analysis and Disclosure in Compliance and Enforcement.” “Civic Science: Building Tools and Platforms for Rigorous Public Research.” J.B. and Maurice C. Shapiro Symposium, March 26-27, George Washington University Law School, Washington, DC.
- 2015 “New Tools for Detecting and Communicating Environmental Exposures and Risks associated with Oil and Gas Extraction.” Grounds For Engagement: Design, Landscape and Environmental Health, Northeastern Center for the Arts, January 26, Northeastern University, Boston, MA.
- 2014 with Deborah Thomas. “New Tools for Detecting and Communicating Environmental Exposures and Risks associated with Oil and Gas Extraction.” Partnerships for Environmental Public Health, National Institute of Environmental Health Sciences, Annual Meeting, September 22, Durham, NC.
- 2014 “Open Source Approaches to Mapping Community Environmental Health Threats: make your own satellite, visualize Hydrogen Sulfide contamination and map thermal pollution.” Workshop. Partnerships for Environmental Public Health, National Institute of Environmental Health Sciences, Annual Meeting, September 23, Durham, NC .
- 2014 “Toward a Civic Science: Developing Tools for Rigorous Public Research.” Webinar Presentation to the SRP Research Translation/Community Engagement Cores, July 10, NIEHS Superfund Research Program (SRP), Online Webinar.
- 2014 with Lauren Richter*. “Transforming Environmental Health Research through STS.” STS Program, March 6, University of Southern California, Los Angeles, CA.
- 2013 “Innovative Tech Solutions.” Panel: “Toward a Civic Technoscience: ExtrAct and Public Laboratory for Open Technology and Society.” Millennium Campus Conference, November 1, Northeastern University, Boston, MA.
- 2013 “Toward a Civic Technoscience: ExtrAct and Public Laboratory for Open Technology and Society.” STS Department, October 16, University of California Davis, CA.
- 2013 “Toward a Civic Technoscience: ExtrAct and Public Laboratory for Open Technology and Society.” Science & Its Publics: Exploring Emergent Forms of Public Engagement, October 8, University of California Irvine, CA.
- 2013 “Toward a Civic Technoscience: ExtrAct and Public Laboratory for Open Technology and Society.” Trace Metals Laboratory, May 2, Harvard University, Cambridge, MA.
- 2013 “Toward a Civic Technoscience: ExtrAct and Public Laboratory for Open Technology and Society.” Panel. Environmental Health Disparities and Environmental Justice Meeting. Innovative Technologies for Environmental Public Health, July 29-31, Partnerships for Environmental Public Health (PEPH), Durham, NC .
- 2013 Mentor/Advisor. Digital STS and Design Workshop, June 27-28, Harvard University, Arnold Arboretum, Boston, MA.

- 2012 “From Social Media to Civic Technoscience ExtrACT and Public Laboratory for Open Technology and Society.” Invited lecturer. Energy Decisions, Market and Policies, November 9, MIT, Cambridge, MA.
- 2012 “Public Laboratory for Open Technology and Society: Developing alternative research ecologies for Environmental Investigation.” Technoscience Salon, October 25, Toronto University and York University, Toronto, Canada.
- 2012 “Public Laboratory for Open Technology and Science.” Digital STS Workshop, October 16, Copenhagen, Denmark.
- 2012 “Heralds of Crisis: Ecological Risk and the Role of Sentinels.” June 10-13, Borchard Foundation, Brittany, France.
- 2012 “Truth, Trust, Fracking.” Panelist. Philadelphia Science Festival, Philadelphia Area Center for the History of Science, April 20-29, Chemical Heritage Foundation, Temple University (libraries), Philadelphia, PA.
- 2012 “Oil Talk: Thinking and Retelling the Political and Cultural Economy of Oil and Gas.” Workshop for Book. April 12-13, Columbia University, NYC, NY.
- 2012 with Shannon Dosemagen. 2nd Annual Citizen Cyberscience Summit - Public Laboratory for Open Technology and Science: Open-source development of tools for grassroots science, February 16-18, University College London, United Kingdom.
- 2011 “Cultural Critique as Material and Textual Practice: Fieldnotes from Cultivating Civic Science and Action Amidst America’s Natural Gas Boom.” Anthropology as Cultural Critique: A Silver Anniversary Celebration, October, MIT and Harvard University, Cambridge, MA.
- 2011 “ExtrACT: Studying Chemicals and Corporations through STS in Practice.” University of Pittsburgh, PA.
- 2011 “The Power and Mystery of Expertise.” Pembroke Center for Teaching and Research on Women Roundtable, Brown University, Providence, RI.
- 2011 “ExtrACT: Studying Chemicals and Corporations through STS in Practice” Colloquium, Rensselaer Polytechnic Institute, Troy, NY.
- 2011 “Gasland.” Panelist. Department of Science and Technology Studies, Working Group on Sustainability Studies Screening, Rensselaer Polytechnic Institute, Troy, NY.
- 2010 “ExtrACT: DIY Corporate Accountability.” DIY Citizenship: Critical Making and Social Media, November 11-14, University of Toronto, Canada.
- 2010 “ExtrACT: Studying Chemicals and Corporations through STS in Practice” Harvard STS Circle, Kennedy School of Business, October 18, Harvard University, Cambridge, MA.
- 2010 “Nomad Versus Royal Science: novel methodological perspectives on Art and Science.” Making Science Visible, Rhode Island School of Design (RISD), Providence, RI.

Conference Talks

- 2019 Malivel, G.***, Vera, L.*, **Wylie, S.** “Citizen Science as/in Public Works: How Validating a Low-Cost Air Monitoring Tool in a Sewage Treatment Plant Transformed its Metrics and Impact.” *Society for Social Studies of Science* Annual Conference, Sept. 4-7, New Orleans, LA.

- 2019 Malivel. G.***, Vera, L.*, **Wylie, S.** “Mobilizing Communities through Participatory Monitoring: Photographic Paper as a Low-Cost Tool to Monitor Hydrogen Sulfide.” CitSci: *Citizen Science Association* Annual Meeting, March 13-17, Raleigh, NC.
- 2017 Vera, L.* and **Wylie S.** “Using Indexical Design and Counter-Mapping to Collaboratively Ground the Hazards of Oil and Gas Extraction.” Tensions and Challenges for Environmental Citizen Science II: Expertise and the State Panel, *Society for Social Studies of Science* Annual Meeting, August 30-September 2, Boston, MA.
- 2016 Sofia Eleni Spatharioti*, Rebecca Govoni**, Jennifer Carrera, **Sara Wylie** and Seth Cooper. “Exploring required work and progress feedback in crowdsourced mapping.” Poster. *Conference on Human Computation and Crowdsourcing* (HCOMP), October 30-November 3, Austin, TX.
- 2015 **Wylie Sara.** “From Endocrine Disruption to Fracking—Theo Colborn and Forging Collaborations Across Disciplines.” Panel Organizer and Speaker. Social Science Environmental Health Research Institute, Science to Action: Social Science-Environmental Health Interdisciplinary Collaborations Conference, May 21-22, Northeastern University, Boston, MA.
- 2015 **Wylie Sara.** “New Tools for Detecting and Communicating Environmental Exposures and Risks associated with Oil and Gas Extraction.” Panel Organizer and Chair: “Fracking and Citizen Science: Bridging the Data Gap?” *Society for Applied Anthropology*, March 24-25, Pittsburgh, PA.
- 2015 Jacob Matz* and **Sara Wylie.** Speck: Low Cost Air Monitoring for Individual and Community Action in the Marcellus Shale Region. *Society for Applied Anthropology* Annual Meeting, Pittsburgh, Pennsylvania.
- 2015 **Sara Wylie.** “Designing New Environmental Health Research Tools for Citizen Science.” Panelist Designing, Implementing, and Managing: Citizen Science Projects. *Citizen Science Association* Annual Meeting, February 11-12, San Jose, CA.
- 2014 Elisabeth Wilder* and **Sara Wylie.** “Community Monitoring of Hydrogen Sulfide in the Powder River Basin: A ‘Civic’ Approach to Studying Environmental Health Hazards.” *Pacific Sociological Association* 85th Annual Meeting, March 27-30, Portland, OR.
- 2013 **Sara Wylie.** “Toward a Civic Technoscience: ExtrAct and Public Laboratory for Open Technology and Society.” Panel: Not Just Participation, Influence. *Society for Social Studies of Science*, Annual Meeting, October 9-12, San Diego, CA.
- 2013 **Sara Wylie.** “Toward a Civic Technoscience: ExtrAct and Public Laboratory for Open Technology and Society.” Panel: The Incorporation of Social Sciences in Environmental Health Sciences (EHS) Research organized by Symma Finn and Thomas Arcury, *Society for Applied Anthropology*, Annual Meeting, March 19-23, Denver, CO.
- 2012 **Sara Wylie.** “Energy, Environment, Engagement: Anthropological Encounters with Hydraulic Fracturing” Panel Discussant. *American Anthropological Association*, Annual Meeting, San Francisco, CA.
- 2012 **Sara Wylie** and Shannon Dosemagen. “Public Laboratory for Open Technology and Science: Open-source development of tools for grassroots science.” *Society for Social Study of Science*, Annual Meeting, Copenhagen, Denmark.
- 2011 **Sara Wylie.** “Corporate Bodies and Chemical Bonds: How Oil Field Services Companies have produced new human health threats through interrelating science and security.” Becoming Corporate Panel organized by Suzana Sawyer and Hannah Appel. *American*

- Anthropology Association* Annual Meeting, Montreal, Canada.
- 2011 **Sara Wylie.** “STS In Practice: Building Recursive Research Publics for Civic Science and Social Science” for Digital STS Panel organized by Kim Fortun. *Society for Social Study of Science* Annual Meeting, Cleveland, OH.
- 2010 **Sara Wylie.** “ExtrAct: Changing the Dynamics of Extractive Industries through Collaborative Research.” *American Anthropological Association* Annual Meeting, New Orleans.
- 2009 **Sara Wylie.** “ExtrAct: An STS remapping of natural gas development through participatory research.” *American Anthropological Association* Annual Meeting, Philadelphia, PA.
- 2007 **Sara Wylie.** “Mimetic Designs Desires And Disorders: A Transformative History of Juvenile Hormone.” *Society for Social Study of Science* Annual Meeting, Montreal, Canada.
- 2006 **Sara Wylie.** “Living the Landscape: Natural Gas Development and the Cultivation of Contested Diseases” *Society for Social Study of Science* Annual Meeting, Vancouver, Canada.
- 2005 **Sara Wylie.** “Becoming Beagle: Seeing a Disruptive System, Forming a Disruptive Science.” *Society for Social Study of Science* Annual Meeting, Pasadena, CA.

Conference Planning:

- 2020 “Gas Leaks and Energy Justice: A Virtual Conference Linking Civic Science to the Push for a Just Transition,” Environmental Enforcement Watch (EEW), December 5, Online Public Event.
- 2020 “Democratizing Environmental Data: Panel Discussion & Report Release,” Environmental Data and Governance Initiative, October 22, EDGI, Online Public Event.
- 2020 “Volunteer Online & Help Map Where Vital Wetlands are Being Lost,” SciStarter Landloss Lookout Webinar, December 9, Online Public Event.
- 2019 “EJxYouth Summit” on youth organizing in current environmental and social justice movements, co-organized with GreenRoots Environmental Chelsea Organizers (Chelsea, MA) high school students who work on Environmental Justice (EJ) issues, Environmental Data and Governance Initiative, November 16, Online.
- 2019 “Environmental Data Justice: Vision and Values,” Environmental Data and Governance Initiative, February 28, EDGI, Online Public Event.
- 2018 *National Institute for Environmental Health Sciences* 50th Anniversary Festival. Planning Committee for Citizen Science and Community Engaged Research Session, December 5-8, NIEHS, Durham, NC.
- 2017 *Society for Social Studies of Science* International Annual Conference, Making and Doing Gallery Show, August 30-September 2, Boston, MA.
- 2017 “Teaching Climate, Inspiring Action,” Conference, Co-organized by Boston Civic Media, March 24, Northeastern University, Boston, MA.
- 2017 “Data Rescue Boston: Northeastern University”, in collaboration with Northeastern University Library, March 24, Boston, MA.
- 2016 *Society for Social Studies of Science* International Annual Conference, August 31-Sept 3, Barcelona, Spain.

- 2015 Social Science Environmental Health Research Institute NIEHS sponsored conference: “Research to Action: Social Science-Environmental Health Interdisciplinary Collaborations”, May 21-22, Northeastern University, Boston, MA.
- 2013 “Grassroots Mapping and DIY Industrial Monitoring: Low Cost, Open Source techniques for Community Academic Collaboration in Environmental and Cultural Anthropology.” Workshop Organizer. Anthropology and Environment Section. *American Anthropological Association*, Annual Meeting, November 20-24, Chicago, IL.
- 2013 “Making Pollution Manifest.” Session Chair and Organizer with Max Liboiron. *Society for Social Studies of Science* Annual Meeting, October 9-12, San Diego, CA.
- 2013 “Experiments Monitoring the Everyday: Art, Design, and DIY Methods for Environmental Health Research in STS,” Workshop Co-Organizer. *Society for Social Studies of Science* Annual Meeting, October 9-12, San Diego, CA.
- 2011 Public Laboratory for Open Technology and Science (PLOTS) First Annual Barnraising to develop technology and application for DIY near-infrared camera, Asheville, North Carolina.
- 2011 *Society for Social Study of Science* Annual Meeting. Panel organizer: “STS in Practice: Science, Engineering and STS as Partners in Social Justice and Sustainability.” Cleveland, OH.
- 2009 *Society for Social Study of Science* Annual Meeting. Panel organizer: “STS in Practice: Experimenting, Collaborating and Intervening.” Washington, DC.
- 2009 The Future of News and Civic Media Conference @ MIT. Session Organizer: “Evaluating Evaluation & Fielding Questions” and “We are Here - Mapping & Community.” Cambridge, MA.
- 2008 “Disruptive Environments: Academics, Activists and Journalists in Conversation.” Conceptualized and co-organized a cross-disciplinary conference. Chaired one of four graduate students developed panels: “Industrial Bodies: Connecting Fossil Fuels and Petrochemicals to Human Health and Industrial Environments.” April 10-11, MIT Museum, Cambridge, MA.
- 2005 MIT-Cornell-RPI Science Technology and Society Annual Graduate Student Conference: “Papers, Practice and Process.” Co-organizer. Boston, MA.

3. Performances

Sara Wylie, Laura Perovich, Roseann Bongiovanni and GreenRoots Environmental Chelsea Organizers. 2018. *Chemicals In the Creek*. This public art/data performance visualized the Clean Water Act violations by the 7 oil storage facilities on Chelsea Creek with glowing lanterns. Open Water Data. Retrieved, September 25 (<http://datalanterns.com/>)

4. Exhibitions

2017 Sofia Eleni Spatharioti*, **Sara Wylie** and Seth Cooper and Rafat Ansari. Algal Bloom Mapping. Citizen Science Exhibit, May and June, Cleveland Museum of Natural History, Cleveland, OH.

- 2011 Public Laboratory. “Making Sense: Lab as Gallery as Field.” In Field, Studio, Lab. produced by Ethnographic Terminalia Show, Montreal, Canada. Retrieved, September 25 (<http://ethnographicterminalia.org/>).
- 2011 Sara Wylie with Public Lab Founders. “DIY Spectrometry.” Trade School at the Whitney Museum of American Art, New York, NY. Retrieved September 25 (<http://whitney.org/Events/TradeSchool>).
- 2011 Sara Wylie and Chris Eichler. “Northeast Corridor.” RISD Faculty Biennial. Retrieved September 25 (http://chriseichler.com/series/Northeast_Corridor.html).

5. Projects

Development of Public Research Organizations:

2020-Present. Environmental Enforcement Watch Report Card events. The Environmental Protection Agency (EPA) is charged by Congress to enforce laws that protect people from air pollution, water pollution, and hazardous waste. Two key congressional committees oversee the EPA to ensure it meets its mandate: the House Energy and Commerce Committee and the Senate Environment and Public Works Committee. Based on an analysis of EPA data, EEW Congressional Report Cards give the members of these Congressional committees—and their constituents—the chance to evaluate whether the EPA is fulfilling its mandate in their state/district. Eventually, we hope to compile reports for every district in the U.S.

- <https://www.environmentalenforcementwatch.org/>

2018-Present. Healthy Gulf Land Loss Lookout. Protecting the Gulf of Mexico from pollution and wetland destruction requires constant vigilance. Often, the best way to keep an eye out is from the air. This project facilitates public involvement to help Healthy Gulf identify patterns by looking at aerial images of the coast.

- http://cartosco.pe/kioskProject.html#/hg_landloss

2016-Present. Co-Founder and Steering Committee member of Environmental Data and Governance Initiative (EDGI). The Environmental Data and Governance Initiative (EDGI) is an international network of academics and non-profits addressing potential threats to federal environmental and energy policy, and to the scientific research infrastructure built to investigate, inform, and enforce environmental regulation. EDGI builds online tools, events, and research networks to proactively archive public environmental data and ensure its continued public availability. EDGI monitors changes to federal regulation, enforcement, research, funding, websites and general agency management at EPA, DoE, NASA, NOAA, and OSHA. EDGI also produces research reports and develops models for future democratic environmental governance.

Website & Reports:

- <https://envirodatagov.org/>
- [EDGI 1st Annual Report](#)
- [EDGI 2nd Annual Report](#)
- [EDGI 3rd Annual Report](#)

EDGI Data Rescue Events. Through EDGI, **Sara Wylie** assisted in organizing a nation wide network of events known as Data Rescue to archive vulnerable federal datasets, one of which was held at Northeastern University. 47 events were organized in total leading to the most thorough archiving of federal environmental available online to date by the Internet Archive.

Data Rescue Event Page:

- <https://envirodatagov.org/datarescue/>

Wylie, Sara, Jeff Warren, Shannon Dosenmagen, Adam Griffith, Matthew Lippencott, Liz Barry. 2010-present. Co-founder, Director of Toxics and Health Research (2010-2012) and Organizer. Public Laboratory for Open Technology and Science (Public Lab). Public Lab is a non-profit, online community that develops open source hardware and software for community based environmental monitoring.

Website & Report:

- <https://publiclab.org>
- [Public Lab Annual Reports](#)

Wylie, Sara, Seth Cooper, Sophie Spatharioti, Lorna Dsilva, Vasanti Mahajan, Rick Menasce, Shubhi Mittal, Kisalaya Prasad, Nitin Shetty, Melanie Smith, Becca Govoni. Cartoscope is a platform for citizen science through crowdsourced data analysis and mapping. By sorting, labelling, and locating images, community members can contribute to a variety of mapping projects, such as disaster response. Organizations can create their own projects and invite participants to help assist with their missions. This project is supported by Google, Northeastern University and the National Science Foundation under Grant No. 1816426.

Website:

<http://cartosco.pe/#/home>

GRANTS

External

Funded:

- 3/2020-2/2021. **JPB Foundation**. Sara Wylie (PI, 100%). “Exploring the Use of a Low-Cost Photopaper Tool for Citizen Science Detection of Urban Gas Leaks,” (Total Direct: \$14,400; Annual Budget: \$15,840).
- 08/2018-07/2021. **National Science Foundation**. Sara Wylie (Co-PI, 50%, Co-director social science research), Seth Cooper (Co-PI). “CHS: Small: Data-Driven Retention in Crowdsourced Image Analysis and Mapping,” (Total Direct: \$322,342; Annual Budget: \$193,204).
- 04/2018 - 03/2020. **The David and Lucile Packard Foundation**. Sara Wylie (Co-Lead, 15%, EDGI Moderator/Coordinating Committee Member), Phil Brown, Michelle Murphy, Nick Shapiro, Raymond Cha (Role: Proposal Developers), Aparna Sundar

(Organizational Coordinator), Kevin Nguyen (Community Coordinator), Gretchen Gehrke (Web Monitoring Project Lead), Jason Sherman (Web Monitoring Software Developer), Kelsey Breseman (Archiving Project Manager), and Stephanie Knutson (Grant Coordinator). “Environmental Data and Governance Initiative (EDGI) General Support.” (Total Direct: \$454,600; Annual Budget: \$250,000).

- 10/2018-09/2019. **The David and Lucile Packard Foundation.** Sara Wylie (Proposal Developer, 30%, EDGI Coordinating Committee Member), Phil Brown, Gretchen Gehrke, Stephanie Knutson, Susanne Moser, Zulayka Santiago, Aparna Sundar (Proposal Developers), Libélula Consulting, Susanne Moser Research and Consulting (Organizational Effectiveness Consultants), Stephanie Knutson (Grant Coordinator). “Organizational Effectiveness Grant.” (Total Direct: \$32,000; Annual Budget: \$35,200).
- 06/2018 – 06/2020. **Doris Duke Charitable Foundation.** Sara Wylie (Proposal Developer, 15% EDGI Moderator/Coordinating Committee Member), Nick Shapiro, Stephanie Knutson, Phil Brown, Ray Cha, Lindsey Dillon, Matt Price, Dawn Walker (Proposal Developers), Kevin Nguyen (Community Coordinator), Kelsy Breseman (Archiving Project Manager), Jason Sherman (Web Monitoring Software Developer), and Stephanie Knutson (Grant Coordinator). “Archiving, Monitoring, and Ensuring the Accessibility of Federal Environmental Data: Support for the Environmental Data and Governance Initiative (EDGI)” (Total Direct: \$181,818; Annual Budget: \$100,000).
- 01/2018-05/2019. **Center for Research on Environmental & Social Stressors in Housing Across the Life Course, Harvard School of Public Health.** Sara Wylie (PI, 50%, Director), Laura Perovich Co-Investigator (Co-Director). “Experiencing Exposures: Developing community based visceral data performances for cross-disciplinary collaboration on environmental justice in Chelsea, MA.” (Total Direct: \$10,500; Annual Budget: \$10,500).
- 01/2018-06/2019. **Center for Research on Environmental & Social Stressors in Housing Across the Life Course, Harvard School of Public Health.** Sara Wylie (PI, 50%, Director), Laura Perovich Co-Investigator (Co-Director). “Experiencing Exposures: Developing community based visceral data performances for cross-disciplinary collaboration on environmental justice in Chelsea, MA.” (Total Direct: \$4,500; Annual Budget: \$4,500).
- 03-2017-09/2017. **Doris Duke Charitable Foundation.** Sara Wylie (Proposal Developer, 5%, EDGI Coordinating Committee Member), Nick Shapiro, Michelle Murphy (Proposal Developers), Andrew Bergman, Rob Brackett, Toly Rinberg (Working Group Coordinators), Nick Shapiro, Stephanie Knutson (Project Directors). “Environmental Data and Governance Initiative (EDGI).” (Total Direct: \$45,000; Annual Budget: \$50,000).
- 05/2017-06/2018. **The David and Lucile Packard Foundation, with Climate Central.** Sara Wylie (Proposal Developer, 5%, EDGI Coordinating Committee Member), Andrew Bergman, Toly Rinberg, Rebecca Lave, Nick Shapiro (Proposal Developers), Raymond Cha (Remote Project Manager), Stephanie Knutson, Nick Shapiro (Grant Coordinators). “Collaborative Website Monitoring, Analysis, and Strategic Communications to Protect Science Infrastructure under the Trump Administration. Environmental Data and Governance Initiative (EDGI) with Climate Central.” (Total Direct: \$87,318; Annual Budget: \$97,020).

- 10/2015-02/2019. **Harvard TH Chan School of Public Health JPB Foundation.** Sara Wylie (PI, 100%). Environmental Health Fellowship Program Fellow, (Total Direct: \$350,000; Annual Budget: \$100,000).
- 05/2015-10/2015. **The New World Foundation.** Sara Wylie (PI, 25%, Director of Health and Toxics Research), Shannon Dosemagen (Public Lab) (Co-PI) Jeffery Warren (Public Lab) (Co-PI). “Preparing Crowdsourced Disaster Response to Fracking Emergencies.” (Total Direct: \$9,930; Annual Budget: \$9,930).
- Spring 2012-Spring 2013. **Canaday Family Charitable Trust.** Sara Wylie (Co-PI, 25%, Public Lab Director of Toxics and Health Research), Sylvia Broude Toxics Action Center 75% (Co-PI). “Technology for Grassroots Action: Understanding Toxic Hazards and Promoting a Clean Environment.” (Total Direct: \$45,000; Annual Budget: \$45,000).
- Fall 2011. **American Anthropological Association's Anthropology and the Environment Section.** Sara Wylie (PI, 100%, Public Lab Director of Toxics and Health Research), Shannon Dosemagen (Co-PI). "Affordable Hydrogen Sulfide Sensing for Gas Patch Safety,” (Total Direct: \$2,000; Annual Budget: n/a).
- Summer 2011-Summer 2013. **John S. And James L. Knight Foundation.** Sara Wylie (PI, 30%, Public Lab Director of Toxics and Health Research), Jeff Warren, Shannon Dosemagen, Adam Griffith, Matthew Lippencott, Liz Barry (Public Lab co-founders). “Knight News Challenge” Public Laboratory for Open Technology and Society, Foundational Grant for Public Lab, (Total Direct: \$500,000; Annual Budget: \$250,000).

Submitted

- ERC (NSF preliminary proposal submitted)
- HEI (Full proposal invited not yet submitted)
- 11/19/20 JPB Foundation. Sara Wylie (PI). “**Debts & Gratitude vs. Deficits & Harms: Testing EJ Communication Tools to Catalyze Action.**”
- 9/11/20 NASA. Sara Wylie (Co-PI) and Steven Scyphers (Co-PI). “**Citizen Scientists Characterizing Wetland Loss in Aerial Imagery in Coastal Louisiana.**”
- 8/27/20 NSF. Sara Wylie (Co-PI) and Seth Cooper (Co-PI). “**Focused CoPe: Understanding multiscale impacts of hazard adaptation decision-making on the resilience of coastal communities to climate change.**”
- 12/1/19 JBP Foundation. Sara Wylie (Co-PI), Kirk Jalber (Co-PI). Senior and Junior Fellows Pilot Grants Program. “**Exploring the Use of a Low-Cost Photopaper Tool for Citizen Science Detection of Urban Gas Leaks**”
- 9/12/19 Radcliffe Fellowship Program. Sara Wylie (PI). “**Reimagining Higher Education through Relational Learning**”

Submitted but not funded:

- 9/2019-9/2022. **Robert Wood Johnson Foundation.** Sara Wylie (Co-PI), Laura Senier (Co-PI), Leilani Mroczkowski (Co-PI, at GreenRoots). Interdisciplinary Scholars Award. (Total Requested: \$350,000)
- 9/2014-8/2019. **National Institute of Environmental Health Sciences Outstanding New Environmental Scientist (ONES) Award (RO1).** Sara Wylie (PI). “Advancing Citizen Science.” (Total Requested: \$2,080,204).

- 1/2015-12/2017. **National Science Foundation.** Sara Wylie (Co-I), Phil Brown (PI), Julia Brody (Co-I), Ruthann Rudel (Co-I). “Standard Grant: Visualizing Environmental Exposures: Representation, Scientific Controversy, and Ethical Considerations.” (Total Requested: \$490,252).
- 9/2013-8/2017. **National Science Foundation.** Sara Wylie (Co-I), Phil Brown (PI). “Toward Healthy Homes: Interdisciplinary Community-Based Social and Scientific Network for Monitoring and Remediation of Formaldehyde in Indoor Air.” (Total Requested: \$999,573).
- 9/2013-8/2016. **National Endowment for the Humanities.** Sara Wylie (Co-I), Len Albright (PI). “WellWatch: Open Source Digital Platforms for Networking Community Narratives of Natural Gas Extraction.” (Total Requested: \$324,795).
- 9/2014-8/2018. **National Science Foundation.** Sara Wylie (Co-I), Phil Brown (PI), Julia Brody (Co-I), Ruthann Rudel (Co-I), Monica Ramirez-Andreotta (Co-I). “IBSS: Toward Healthy Neighborhoods: Interdisciplinary Community-Based Social and Scientific Network for Monitoring and Remediation of Formaldehyde in Indoor Air.” (Total Requested: 999,958).
- 9/2015-8/2018. **National Science Foundation.** Sara Wylie (Co-I), Phil Brown (PI), Julia Brody (Co-I), Ruthann Rudel (Co-I). “Standard Grant: Visualizing Environmental Exposures Through Shared Experiences.” (Total Requested: \$490,072).
- 5/2017-4/2020. **National Science Foundation.** Sara Wylie (PI), Phil Brown (Co-I). “Collaborative Research: Standard Grant: Experiencing Exposures: Developing engaged research and visceral data to express embodied and collective environmental health risks.” (Total Requested: \$257,336).

Internal

Funded:

- 7/2019-9/2020. **Northeastern University Tier 1 Award.** Sara Wylie (Co-PI, 50%, Co-director), Seth Cooper (Co-PI). “Tile-o-scope: A Toolkit for Augmented Reality Citizen Science Games.” (Total Received: \$50,000; Annual Budget: \$50,000).
- 05/2018-06/2019. **Northeastern Research Institute for Experiential Learning Science (RIELS).** Sara Wylie (PI, 100%). “Evaluating Individual and Collective Learning Through Citizen Science.” (Total Received: \$10,859; Annual Budget: \$10,859).
- 6/1/2016-9/30/2017. **Northeastern University Tier 1 Award.** Sara Wylie (Co-PI, %, Co-director), Seth Cooper (Co-PI). “Converge: Community-sourced image analysis and mapping.” (Total Received: \$50,000; Annual Budget: \$50,000).
- 11/7/2014-12/1/15. **Northeastern University CSSH Research Development Initiative, Seed Funding.** Sara Wylie (PI, 100%). “A Civic Alternative: D.I.Y. Hydrogen Sulfide Monitoring and Mapping.” (Total Received: \$5,000; Annual Budget: \$5,000).
- 8/2014-6/1/2015. **Northeastern University Humanities Center Research Cluster Grant.** Sara Wylie (Co-Director, 50%), Ryan Cordell (Co-Director). “Cross-disciplinary research group on Critical Making.” (Total Received: \$2,000; Annual Budget: \$2,000).
- 2013-2014. **Northeastern University Humanities Center.** Sara Wylie (Fellow, 100%). “Viral Culture Fellowship.” (Funding Received: One Course Release).

- 10/2012-5/31/2013. **Northeastern University Humanities Center Research Cluster Grant.** Sara Wylie (Co-Director, 50%), Len Albright (Co-Director). “Hydraulic Fracturing Working Group,” (Total Received: \$2,000; Annual Budget: \$2,000).
- Fall 2009. **Massachusetts Institute of Technology John S. Hennessy Environmental Fellowship.** Sara Wylie (Fellow, 100%). (Funding Received: Tuition and Stipend).
- Summer 2009. **Massachusetts Institute of Technology Center for Future Civic Media.** Sara Wylie (Research Assistant, 100%). (Funding Received: Tuition and Stipend).
- Spring 2008. **Massachusetts Institute of Technology Center for Future Civic Media.** Sara Wylie (Role, 100%). Funding for the ExtrAct project research group. (Funding Received: Research Funding).
- Spring 2008. **Massachusetts Institute of Technology Center for Future Civic Media.** Sara Wylie (Research Assistant, 100%). (Funding Received: Stipend/Tuition)
- 2007-2008. **Massachusetts Institute of Technology Martin Fellow for Sustainability.** Sara Wylie (Fellow, 100%). (Funding Received: \$15,000).

TEACHING AND ADVISING

Courses

Northeastern University:

- Environmental Justice (Sociology Undergraduate Course) New Prep.
 - Spring 2020
- Introduction to Environmental Health (Health Sciences Graduate Course) New Prep. Health (PHTH 5214)
 - Spring 2020
- Environment, Health and Society (Sociology Graduate Course) Existing Course Number but I designed a very different syllabus to add experiential learning and STS.
 - Spring 2019 (4)
- Directed Study: *Industrial Supply Models, Natural Disasters, and Citizen Science Environmental Justice Technologies* (Sociology) New Course
 - Spring 2019 (1) Graduate Student
- Contemporary Issues in Sociology: Community-Based Participatory Research (Sociology Graduate Methods Course) New Course
 - Fall 2017 (7)
- Environment, Technology and Society (Sociology Undergrad) Existing Course Number but I designed a very different syllabus to add experiential learning and STS.
 - Spring 2013 (23), Spring 2014 (18), Fall 2014 (10), Fall 2016 (23), Fall 2019 (33)
- Community-Based Participatory Research (Health Sciences Graduate and Undergraduate) New Course
 - Summer 1 2013 (5)
- Community and Public Health (Health Sciences Undergraduate) Existing course, I added experiential learning elements.
 - Spring 2014 (17), Fall 2014 (18), Fall 2016 (48), Fall 2017 (19). Fall 2018 (18)
- Directed Study: *Hydraulic Fracturing and Unconventional Energy* (Sociology)
 - Fall 2013 (3) Graduate Students, New Course
- Controversies in Science (Sociology Undergrad)
 - New Course developed and on books but never taught.

Rhode Island School of Design:

- ArtLab: Artistic Investigations into the Biological Sciences (Digital + Media) New Course
 - Spr. 2011, (20)
- Environmental Justice Research Cluster (Digital + Media) New Course
 - Fall 2010-Spr 2012, (6)
- Becoming Animal, Technical and Environmental: A practical course in disruptive Art and Design inspired by theory from Science and Technology Studies (STS). (Digital+Media) New course.
 - Spring 2010 (20)

Graduate Student Advising

Northeastern University, Sociology:

- Xena Itzkowitz, PhD Student Sociology. 2020-2021
- Jesse DiValli, PhD Student, Sociology. 2019 (Field Statement Chair)
- Grace Poudier, PhD Student, Sociology. 2018-Present (Primary Advisor)
- Taylor Braswell, PhD Student, Sociology: “Hydrogen Sulfide Project.” 2017-2018 (Research Assistant).
- Mia Renauld, PhD Student, Sociology: 2017 (Field Statement Committee).
- Alexandra Alden, PhD Student, Sociology: 2018 (Field Statement Committee).
- Lourdes Vera, PhD Student, Sociology: “Hydrogen Sulfide Project,” 2015-Present (Primary Advisory, Research Assistant).
- Mathew Judge, PhD Student, Sociology, “Biomonitoring Report Back of an emerging contaminant in Little Hocking Water District.” 2015 (Dissertation Committee member)
- Boris Templeton, PhD Student, Sociology, “Public Comments and Participatory Democracy in the Superfund Planning Process.” 2018-2019 (Dissertation Committee member)
- Elicia Cousins PhD Candidate Sociology, “Reproducing Invisibility: Contested Narratives About Radiation Health Effects After Fukushima,” 2018-2021 (Dissertation Committee member)
- Lauren Richter, PhD Student, Sociology: 2015 (Field Statement Committee).
- Elisabeth Wilder, PhD Student, Sociology: “Hydrogen Sulfide Project,” 2014 (Research Assistant).
- Melanie Smith, Masters Student, Sociology: “CAFOs, Natural Disasters, and Citizen Science,” 2019 (Thesis Committee, Research Assistant).
- Jamie San Andres, Masters Student, Sociology: “Petcoke Mapping Project Chicago II,” 2015 (Research Assistant).
- Jacob Matz, Masters Student, Sociology: “Speck Community Air Monitoring Project,” 2013-2015 (Research Advisor).

Northeastern University, Masters in Public Health:

- Kaleem Ahmid, Master of Public Health, 2020-21
- Angelica Fiuza, Master of Public Health, 2020-21
- Jeannate Lowe, Master of Public Health, 2015-2016.
- Kaitlyn Gervera, Master of Public Health, 2015-2016.
 - Research Practicum Citizen Science Project Thermal Fishing Bob

Northeastern University Computer Science:

- Kutub Gandhi, Graduate Student in Computer Science
- Joshua Miller, Graduate Student in Computer Science
- Sophie Spatharioti, Graduate Student in Computer Science. Cartoscope Project with Prog. Seth Cooper. 2016-present (Research Assistant and Dissertation Committee Member).

Northeastern Environmental Science:

- David Sittenfeld, Dissertation Committee Member: “Citizen Science, Civics, and Resilient Communities (CSCRC): Increasing Resilience Through Citizen-Created Data, Local Knowledge and Community Values”.

Post Doctoral Fellows Mentorship:

- Dvera Saxton, 2014-2015 Paper Development and Job Talk Development
- Max Liboiron, 2014-2015, Thermal Fishing Bob Research, Paper Development and Job Talk Development
- Jennifer Carrera, 2015-2016 Cartoscope Research
- Maryann Cairns, 2015 Research Advice and Collaborative Water Monitoring Projects

Undergraduate Research and Capstone Advising

Wylie Lab Projects: Hydrogen Sulfide Research and Chemicals In the Creek:

- Christine Long (Health Science) COOP January 2017 - June 2017
- Erik Hanley (Health Science) COOP June 2016-December 2016 and Research Capstone 2017-2018.
- Emily Schachtele (Health Science) Research Capstone Spring 2018.
- Anna Walsh (Environmental Science) COOP June 2016 - December 2016
- Kaya Simmons (Sociology) Research Assistant 2014 and COOP 2015
- Brian Clark (Health Science) Capstone Research Project, 2013.
- John Syzonenko Research Assistant (Environmental Science) September 2017
- Viktoriya Abakumova (Computer Science and Business), September 2017
- Haley Stiel (CAMD) September 2017 - December 2017
- Shawn Sullivan (Architecture) Research Assistant summer 2016 and Fall 2018
- Sarah Brooks (Environmental Studies and International Affairs) Research Assistant summer 2016
- Rebecca Elliot (Health Science Undergraduate) Research Assistant Spring and Summer 2018
- Larissa Aiko Morikawa (Health Science Undergraduate) Research Assistant Spring and Summer 2018.
- Kaline Langley (Journalism and Biology) Research Assistant 2017 - present

FracFocus Research

Angelica Fuize

Lead Study

Larissa
Kaleem

Gratitude Project:

Kira Mok

Sophie Kelly
Eliza Boetsch

Cartoscope:

Elize Boetsch
Archana Apte
Rebecca Govoni (Engineering) Spring 2015 - December 2016.

Self-Directed Research:

Hannah Gartner. (Sociology/Anthropology) “Bridging the Gap: The facilitation of changes in attitude towards environmental issues” Northeastern RISE 2014

Undergraduate Research Groups

- Hydraulic Fracturing Research Group with Len Albright (Sociology) Fall 2014
 - 8 undergraduate researchers.
- Husky Environmental Action Team - Collaborative Thermal Imaging Project with Mare Liberum Fall 2015.
<https://publiclab.org/wiki/mystic-generator-station-thermal-fishing-bob-event-with-mare-liberum>

External Undergraduate Advising:

- Advisor with Sharon Harlan. NSF Urban Water Innovation Network (UWINN) Research Experience for Undergraduates Network. David E. Ortiz. Beloit College. Summer 2016

Graduate Student Advising RISD

- Jan Mun, "The Providence Yard" MA RISD Digital+Media Department, Masters Thesis Committee Member. 2010.
- Jae Ok Lee, “Hybrid Gaze; Digital Artifacts and Memory” MA RISD Digital+Media Department, Masters Thesis Committee Member. 2011.

Graduate Student Advising External

- Sarah Lerman-Sinkoff
- Garance Malivel, “Attending to Citizens’ Health Concerns in Oil-Dependent Regions: Exposing Exposure through Participatory Monitoring in Southeast Saskatchewan Masters in Environmental Studies”, York University, Toronto, Canada, 2018-2019.
- Michael Still, “Rising Tides: An Ethnographic case study of Resident-Activists in an Environmental Justice Community”. Masters in Medical Anthropology, Boston University, Boston, 2018-2019.

SERVICE AND PROFESSIONAL DEVELOPMENT

Service to the Institution

Northeastern University:

Departmental Service-Sociology

- Graduate Committee Member 2018-2019
- Undergraduate Committee in Sociology/Anthropology 2014-2018 and 2019-2020
- Merit Review Committee 2017-2018, 2019-2020
- Health and Environment Cluster Committee Sociology/Anthropology 2014-Present
- Ad Hoc Member Admissions Committee 2013-2015

Department Service-Health Science

- Undergraduate committee Member 2015-2018
- Merit Review committee 2016-2017

University Service

- Social Science Environmental Health Research Institute Steering Committee (2011-Present)
- Environmental Science Muckenhaupt Scholarship Award Committee Member
- College of Health Science School of Public Health Task Force member (2018-present)

Rhode Island School Design:

- 2011. Visiting Critic for end of semester critiques for Innerspace/Outerspace Course in Digital+Media at RISD and Affective Geographies Course in Digital+Media at RISD.
- 2010. Visiting Critic for RISD Digital+Media Midterm critiques.

Service to the Discipline/Profession

- 2019 Reviewer for Harvard-NIOSH Educational Research Center (ERC) Pilot Project program project proposals.
- 2018-2019 Interviewer and reviewer for Harvard JPB Foundation Environmental Health Fellows fellowship applications and grant applications.
- 2018-2019. Reviewer for National Science Foundation, Science, Technology and Society (STS) Program Grants.
- 2018-2019 Member of the *Society for Social Studies of Science* “Futuring STS” Committee. Developing a survey of membership and proposal for restructuring the conference, pedagogy and public outreach of the society.
- 2018-2019 Chair of the *Society for Social Studies of Science*, Fleck Prize committee for exemplary book in Science and Technology Studies.
- 2016-2017. Chair of *Society for Social Studies of Science*, “Making and Doing Committee.” Responsible for directing the Society’s Making and Doing gallery show and award for 2017 international conference in Boston.
- 2017-2018 Carson Prize Committee for Outstanding Book in STS and the public engagement, *Society for Social Studies of Science*
- 2016-2017 Mullin’s Prize Committee for Outstanding Graduate Student Publication in STS, *Society for the Social Studies of Science*
- 2015-2018. Council Member. *Society for Social Studies of Science*. Elected three year term.
- 2015-2018. Associate Editor, *Signs: Journal of Women in Culture and Society*.
- 2015-Present. Steering Member Boston Civic Media Consortium & Network.
- 2014. External Reviewer for Environmental Protection Agency (EPA): Pathfinder Innovation Projects competition.
- 2014. *Society for Social Studies of Science* (4S), Making and Doing Committee member.

Referee-Peer Review:

- *Environmental Health Perspectives*
- *Science as Culture*
- *Social Studies of Science*
- *Signs: Journal of Women Culture and Society*
- *Culture, Theory and Critique*
- *Citizen Science: Theory and Practice*
- *Catalyst: Feminism, Theory, Technoscience*

Service to the Community/Public

Service to the Community

- 2018 Environmental Data and Governance Initiative (EDGI) Steering Committee Chair and Moderator
- 2017-Present. Founding member and Steering Committee Member of Environmental Data and Governance Initiative (EDGI).
- 2013-Present. Public Laboratory Organizer.
- 2012-2016. Board of Directors FracTracker.org.
- 2012. Consultant, Public Laboratory for Open Technology and Science.

Professional Development

- 2011. Environmental Working Group: Oil and Gas Research Intern.
- Professional Memberships
 - Society for the Social Study of Science (4S)
 - American Anthropological Association
 - Society for Applied Anthropology
 - Society for Cultural Anthropology
 - Citizen Science Association