

Alaina Kinol

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EDUCATION

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| Northeastern University , Boston, MA | since 2020 |
| Doctoral Candidate of Public Policy, Sustainability and Resilience concentration | |
| Carnegie Mellon University , Pittsburgh, PA | 2023 |
| Visiting Scholar, Engineering and Public Policy | |
| Wageningen University , Wageningen, NL | 2023 |
| PhD Summer School on The Natures of Life and Death: Political Ecologies of Collapse, Transformation, and Revival | |
| London School of Economics , London, UK | 2018 |
| Master of Science with Distinction in Environmental Policy and Regulation | |
| McGill University , Montreal, QC, Canada | 2016 |
| Bachelor of Arts, Honours in Agricultural and Environmental International Development Studies, Minor in Economics | |

ACADEMIC RESEARCH EXPERIENCE

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| Northeastern University School of Public Policy and Urban Affairs , Boston, Massachusetts | |
| Research Lead: Policy Impacts of Fossil Fuel Energy, Plastics, and Agriculture | 2021 - 2023 |
| Research Project Manager: Green New Deal Frameworks Project | 2021 - 2023 |
| Research Assistant: Narratives of Resilience in Puerto Rico Project | 2021 |
| Research Assistant: Nature-based Solutions in UNDP LAC Portfolio Project | 2020—2021 |
| Co-Researcher: Implementing Environmental Justice Project | 2021 |
| Grantham Research Institute for Climate Change and the Environment , London, UK | |
| Research Assistant: Climate Change Laws of the World Project | 2018 |
| Research Assistant: Energy Choices and Behaviour Project | 2018 |

GRANTS

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| National Institute of Environmental Health Sciences T32 Training Grant , Social Science Environmental Health Research Institute and the Silent Spring Institute | 2022-2025 |
| Climate and Social Science Network Research Grant , “Intersections and Impacts of the Fossil Fuel-Plastic-Agriculture Complex: Mutual Reinforcement and Embedded Injustice”, submitted with Jennie C. Stephens, PI | 2021-2023 |
| CSSH Multi-Generational Research Teams Program , “Comparing Green New Deal Frameworks”, Graduate Student Mentor, submitted with Jennie C. Stephens, PI | 2021 |
| NSF Science, Technology, and Society Program , “Power in Puerto Rico: Sociotechnical imaginaries, infrastructure publics, and electricity”, Research Assistant. (Jennie C. Stephens, PI | |

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| and Laura Kuhl, co-PI) | 2020-2021 |
| United Nations Development Programme , “Nature-based Solutions in UNDP LAC Portfolio”, Research Assistant. (Laura Kuhl, PI) | 2020-2021 |
| McGill University , “Lev Bukhman Internship Travel Award”, PI | 2015 |

PROFESSIONAL EXPERIENCE

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| Office of City Councilor Wu , Boston, MA Civic Action Partnership Barr Foundation Climate Policy Fellow | 2021 |
| E4TheFuture , Framingham, MA Project Manager, Clean Energy Valuation | 2020 |
| Research Associate, Evaluation, Monitoring, & Valuation (EM&V) Team | 2019 |
| New York State Department of Environmental Conservation , Albany NY Office of Climate Change Intern | 2017 |
| Citizens Climate Lobby , Albany NY Northeast Regional Intern; Albany Group Leader | 2016 – 2017 |
| Women of Uganda Network (WOUGNET) , Kampala, Uganda Gender Policy Advocacy Intern | 2015 |

AWARDS AND FELLOWSHIPS

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| Campus Sustainability Research Award, Association for the Advancement of Sustainability in Higher Education (AASHE) | 2023 |
| Outstanding Graduate Student Experiential Award, Northeastern University | 2022 |
| 2021 Fellow, Boston Civic Action Project Barr Foundation Grant recipient | 2021 |
| Best Environmental Policy and Regulation Dissertation Award, LSE | 2018 |

PUBLICATIONS, POLICY BRIEFS, AND OTHER WRITING

Peer-Reviewed Publications

Arango-Quiroga, J, **Kinol AD**, and Kuhl L. 2023. Examining knowledge and epistemic justice in the design of nature-based solutions for water management. PLOS Climate 2(9): e0000194. <https://doi.org/10.1371/journal.pclm.0000194>

Kinol AD and Kuhl L. 2023. The role of disasters in shaping narratives of resilience and transformation in Puerto Rico. Current Research in Environmental Sustainability 6:100227. <https://doi.org/10.1016/j.crsust.2023.100227>

Kinol AD, Arango-Quiroga J, and Kuhl L. 2023. Opportunities for nature-based solutions to contribute to climate-resilient development pathways. Current Opinion in Environmental Sustainability 62: 101297. <https://doi.org/10.1016/j.cosust.2023.101297>

Kinol AD, Miller E, Axtell H, Hirschfeld I, Leggett S, Si Y, and Stephens JC. 2023. Climate justice in higher education: a proposed paradigm shift towards a transformative role for colleges and universities. *Climatic Change* 176:15. <https://doi.org/10.1007/s10584-023-03486-4>

Boyle AD, Leggat G, Morikawa L, Pappas Y, and Stephens JC. 2021. Green New Deal proposals: Comparing emerging transformational climate policies at multiple scales. *Energy Research & Social Science* 81:102259. <https://doi.org/10.1016/j.erss.2021.102259>

Book Reviews

Boyle AD. 2022. Shanti Gamper-Rabindran: America's Energy Gamble: People, Economy, and Planet. *Human Ecology*. <https://doi.org/10.1007/s10745-022-00323-7>

Policy Briefs

Boyle AD, Robbins T and Montgomery M. 2021. Evaluation of the Fare-Free Bus for Boston Pilot Proposal. White Paper. Dukakis Center for Urban and Regional Policy and Office of City Councilor Michelle Wu. <https://cssh.northeastern.edu/dukakiscenter/evaluation-of-the-fare-free-bus-for-boston-pilot-proposal/>

Boyle AD and Kuhl L. 2021. Nature-based Solutions are Job and Livelihood Solutions. Policy Brief. School of Public Policy and Urban Affairs, Northeastern University and United Nations Development Programme. <https://www.adaptation-undp.org/node/6650>

Kimmell K, **Boyle AD**, Si Y, and Sotolongo M. 2021. A User's Guide to Environmental Justice: Theory, Policy, & Practice. Policy Brief. Dukakis Center for Urban and Regional Policy. <https://cssh.northeastern.edu/dukakiscenter/a-users-guide-to-environmental-justice-theory-policy-and-practice/>

Kuhl L and **Boyle AD**. 2021. Nature-based Solutions, Market Resilience, and Food Sovereignty. Policy Brief. School of Public Policy and Urban Affairs, Northeastern University and United Nations Development Programme. <https://www.adaptation-undp.org/node/6651>

Technical Papers

Kuhl L and **Boyle AD**. 2021. Nature-based Solutions Valuation Report. Technical Report. School of Public Policy and Urban Affairs, Northeastern University and United Nations Development Programme. <https://cssh.northeastern.edu/policyschool/undp-releases-nature-based-solutions-valuation-report/>

NESP. 2020. National Standard Practice Manual for Benefit-Cost Assessment of Distributed Energy Resources. E4TheFuture. Coordinated and edited by J Michals and **AD Boyle**. <https://www.nationalenergyscreeningproject.org/national-standard-practice-manual/>

Murungi I, Bukare A, Atim S, **Boyle AD**, Dauvergne M. 2015. Final Report for the GEKS Uganda National Assessment. Gender Equality in Knowledge Society Research 2015. WOUNET https://owsd.net/sites/default/files/National%20Assessment%20on%20Gender%20and%20STI%20-%20Uganda_1.pdf

Technical Resources

Database of Screening Practices, v.2, E4TheFuture 2020
Inventory of Applicable Policies and Relevant Impacts Spreadsheet, E4TheFuture 2020

Public-Facing Writing

Kinol AD. 27 September 2023. Academic Institutions Owe Us Climate Justice. Boston University Public Health Post. <https://www.publichealthpost.org/viewpoints/academic-institutions-owe-us-climate-justice/>

Boyle AD and Stephens JC. 1 September 2022. Higher education needs a new mission. How about climate justice? The Boston Globe. <https://www.bostonglobe.com/2022/09/01/opinion/higher-education-needs-new-mission-how-about-climate-justice/>

Boyle AD and Stephens JC. 12 November 2021. Michelle Wu's victory heralds a new age of climate politics. The Hill. <https://thehill.com/opinion/energy-environment/581343-michelle-wus-victory-heralds-a-new-age-of-climate-politics>

Boyle AD. 13 December 2019. TRCs and Sugar Cookies: A holiday review of cost-effectiveness testing practices. NESF. <https://e4thefuture.org/blog/trcs-and-sugar-cookies-a-holiday-review-of-cost-effectiveness-testing-practices/>

PAPERS IN REVIEW AND PROGRESS

"Retweeting obstruction: a twitter network analysis of the Carbon Complex and its implications for climate policy" (with Yutong Si, John Kinol, and Jennie C Stephens – in revision to PLOS Climate)

"What is missing from SDG7 communications? Examining hashtag co-occurrence networks and social justice messaging on Twitter" (co-author with Yutong Si and Hongtao Yi – under review at Energy for Sustainable Development)

"The Carbon Complex and A Theory of Obstruction as a Constraint to the Policy Process" (first dissertation chapter, in progress)

"Visions and Advocacy Strategies for a Climate-Just Future and Transformation" (second dissertation chapter, in progress)

"Overcoming Obstruction for Climate Justice – Transformation in Processes and Outcomes" (third dissertation chapter, in progress)

"US policy and justice implications of connections among plastics, fossil energy, and agricultural industries" (in progress)

"Social media interactions between the petrochemical sector and educational institutions" (in progress with Yutong Si and Jennie C. Stephens)

MEDIA APPEARANCES, INVITED TALKS, AND PRESENTATIONS

Hurricane Maria offered an opportunity to transform Puerto Rico's electric grid into a more resilient system. It hasn't happened. Cynthia McCormick Hibbert (article interview), **Northeastern Global News** 2023

How do we contribute to sustainable development and address climate change at the same time? Cyrus Moulton (article interview), **Northeastern Global News** 2023

"Implications of Narratives of Resilience and Transformation in Puerto Rico for Sustainable Transitions" (presenter) **International Sustainability Transitions Conference** 2022

"Nature-based Solutions and Climate-Resilient Development" (presenter) **International Sustainability Transitions Conference** 2022

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| “Nature-based Solutions and Just Climate-Resilient Development: Opportunities & Challenges” (presenter) Earth Systems Governance Conference | 2022 |
| “Addressing the Carbon Complex for a More Just Transition” (presenter – Towards just transitions: Ambitious climate policies and social fairness panel), STS Graz | 2022 |
| “Climate Justice Planning in Higher Education: How can Colleges and Universities Promote Societal Transformation?” (presenter – Liberalism’s Limits for Climate Justice panel), 2022 American Association of Geographers Annual Meeting | 2022 |
| <u>When it Comes to Climate Action in Politics, Michelle Wu Offers a Way Forward</u> by Molly Callahan (article interview), Northeastern News | 2021 |
| <u>“Could Mayor Wu’s Green New Deal Serve As a Blueprint for Other Leaders Nationwide?”</u> (on-air interview), WGBH News November 19, 2021 | 2021 |
| “Narratives of Resilience and Transformation in the Puerto Rico Energy Transition” (co-presenter), ISA-NE Conference | 2021 |
| “Green New Deal Proposals: Comparing Frameworks” (presenter), 2021 APPAM Student Research Online Seminar Series | 2021 |
| “Identifying Green and Climate-Resilient Livelihoods, Jobs, and Development Options: Nature-based Solutions in Latin America and Caribbean” (co-presenter), UNDP | 2021 |
| “Reforming Cost-Effectiveness Testing to Value Energy Efficiency (and other DERs) Using a Common Framework” (co-presenter), National Home Performance Conference | 2020 |

TEACHING EXPERIENCE

Guest Lectures

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| “Just Transition in Appalachia” in Climate Policy and Justice, Northeastern University | 2023 |
| “Preparing for the job market” (invited guest lecture) Northeastern SPPUA PhD Seminar Series | 2023 |
| “Presenting peer-reviewed research to lay audiences” (invited guest lecturer) Northeastern SPPUA PhD Seminar series | 2023 |
| “The Social Science of Climate Change” (invited talk), Boston Scientists Rebellion | 2023 |
| “Plastic and Fossil Fuels” (invited talk), Boston Scientists Rebellion | 2022 |
| “Climate Justice Panel” (co-panelist), Sustainability at Northeastern Pop-Up Class | 2021 |

Teaching Assistant

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| INTL 1101: Globalization and International Affairs, Northeastern University | 2022 |
| PPUA/INTL 5268: International Environmental Policy, Northeastern University | 2020 |

ACADEMIC SERVICE

Manuscript Review

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| WIRES Climate Change | 2023 |
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Community and Sustainability Efforts

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| Advisory Council Member, Second Nature Academics for Climate Advocacy | 2022—present |
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| Member, Climate Social Science Network Agriculture Working Group | 2022—present |
| Member, Climate Social Science Network State Policy Working Group | 2022—present |
| Member, Northeast Regional Climate Justice Research Group | 2022—present |
| At-large member, Northeastern Student Sustainability Committee | 2022—2023 |
| Member, Northeastern Graduate Women in Science and Engineering | 2021—present |
| Organizer, Northeastern Graduate Climate Researcher Consortium | 2021—present |

Conference Organizing

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| Northeast Regional Conference (co-organizer), Citizens Climate Lobby | 2017 |
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Lecture Series attendance

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| Environmental Politics and Governance Seminar, APSA | 2024 |
| Environment and Justice in the Human Landscape, Northeastern SPPUA | 2022—2023 |
| Energy Policy Seminar, Harvard Kennedy School | 2022—present |
| Climate Social Science Network Lectures | 2022—present |

CERTIFICATIONS

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| Graduate Certificate in Policy Analysis – Northeastern CSSH | Dec. 2022 |
| Auditing and Evaluating Environmental Behaviour Change – Green Impact | Mar. 2018 |
| Web Design: HTML, CSS, and Bootstrap certification – LSE IT | Dec. 2017 |

DISSERTATION COMMITTEE

Laura Kuhl (Northeastern University and Tufts University) *advisor **committee chair
 Jennie C. Stephens (Northeastern University) *advisor
 Phil Brown (Northeastern University) *NIEHS T32 pre-doctoral traineeship PI
 Jamie Shinn (SUNY College of Environment Science and Forestry)

OTHER PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

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| Member, American Political Science Association | 2024—present |
| Research Fellow, Earth Systems Governance | 2023—present |
| Member, American Association of Geographers | 2022—present |
| Member, Sustainable Transitions Research Network | 2022—present |
| Member, Climate and Social Science Research Network | 2021—present |
| Member, Association for Public Policy Analysis and Management | 2020—present |
| Member, NEU Graduate Women in Science and Engineering | 2021—present |
| Member, NEU SPPUA Computational Science Discussion Group (CSDg) | 2021—present |
| Member, NEWIEE | 2019—present |
| Programme Representative, LSE MSc EPR | 2017—2018 |
| Albany, NY Chapter Leader, Citizens' Climate Lobby | 2016—2017 |

COMMUNITY SERVICE

Boston Area Rape Crisis Center

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| Crisis Hotline Volunteer | 2019—2021 |
| Crisis Hotline Supervisor | 2021—present |
| Albany Crime Victim and Sexual Violence Center | |
| Hotline Volunteer | 2016—2017 |
| Sexual Assault Centre of McGill Students' Society | |
| Hotline Volunteer | 2014—2016 |

CONSULTING EXPERIENCE

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| Center for Economic Democracy | |
| Green New Deal Consultant with Northeastern Experiential Network | 2020 |
| City of Sacramento | |
| Diversity and Talent Leadership Consultant with Northeastern Experiential Network | 2020 |

OTHER RELEVANT SKILLS

Software Proficiency: GIS, NetLogo, Tableau, Stata, SPSS, R, Python
 Language: French (full fluency)