

Graham Diedrich

Ph.D. Student, Political Science & Public Policy
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Education

Doctor of Philosophy in Political Science & Public Policy Aug 2025 – May 2031
Department of Political Science & Gerald R. Ford School of Public Policy,
University of Michigan, Ann Arbor, MI

- Methods Training: ICPSR Summer Program, 2025

Master of Science in Data Science Aug 2023 – May 2025
Department of Statistics and Probability,
Michigan State University, East Lansing, MI

- Graduate Certificate: Environmental and Social Systems Modeling
- Graduate Certificate: Community Engagement

Master of Public Policy Aug 2021 – May 2023
Department of Political Science, Department of Economics,
Michigan State University, East Lansing, MI

- Graduate Specialization: Environmental Science and Policy
- Graduate Certificate: College Teaching

Bachelor of Arts in International Relations Aug 2019 – Aug 2021
James Madison College,
Michigan State University, East Lansing, MI

- Focus Area: International Environmental Law

Publications

Diedrich, G. & Clay, K. (2025). Navigating dual enrollment: Assessing compatibility between improved management carbon offset projects and preferential property tax programs across nine states. *Journal of Sustainable Forestry*, 1–24. <https://doi.org/10.1080/10549811.2025.2527756>

Diedrich, G. (2024). Evaluating local climate policy: Municipal action plans through the lens of resilience and environmental justice. *PLOS Climate* 3 (1): e0000395. <https://doi.org/10.1371/journal.pclm.0000395>.

Reports

Diedrich, G. (2024). Evaluating Community Benefits: Trends in Job Creation and Funding Metrics for the Industrial Demonstrations Program. Office of Clean Energy Demonstrations, U.S. Department of Energy. Washington, D.C. https://www.grahamdiedrich.com/_files/ugd/e8d0f3_d001e4c0a29d4964bfadcc6783ba26fe.pdf.

Kreye, M., Clay, K., Chizmar, S., Cooper, L., Diedrich, G., Gadoth-Goodman, D., Parajuli, R., Sutton, A. (2023). Forest Carbon Market Structures and Mechanism. Forest Owner Carbon and Climate Education Program. East State College, PA. <https://extension.psu.edu/forest-carbon-market-structures-and-mechanisms>.

Diedrich, G. (2023). From Data to Action: Harnessing GHG Inventories for Local Sustainability Initiatives. U-M Graham Sustainability Institute. Ann Arbor, MI. <https://graham.umich.edu/media/files/CLC>

[F-2023-Diedrich-Report.pdf](#).

Diedrich, G. (2023). Embodied Carbon Policies. MSU Forest Carbon and Climate Program. East Lansing, MI. <https://www.canr.msu.edu/resources/embodied-carbon-policies>.

Diedrich, G. (2023). State Forest Certification. MSU Forest Carbon and Climate Program. East Lansing, MI. <https://www.canr.msu.edu/resources/state-forest-certification>.

Diedrich, G. (2023). State Cap-and-Trade Programs. MSU Forest Carbon and Climate Program. East Lansing, MI. <https://www.canr.msu.edu/resources/state-cap-and-trade-programs>.

Diedrich, G. (2023). State-Level Forest BMPs. MSU Forest Carbon and Climate Program. East Lansing, MI. <https://www.canr.msu.edu/resources/state-level-forest-bmps>.

Diedrich, G. (2022). How will the Inflation Reduction Act impact forest and carbon management? MSU Forest Carbon and Climate Program. East Lansing, MI. <https://www.canr.msu.edu/news/how-will-the-inflation-reduction-act-impact-forest-and-carbon-management>.

Diedrich, G. (2022). Carbon Pricing: Carbon Markets and Carbon Taxes. MSU Forest Carbon and Climate Program. East Lansing, MI. <https://www.canr.msu.edu/fccp/FCCP-ORL/Carbon%20Pricing%20-%20Carbon%20Markets%20and%20Carbon%20Taxes.pdf>.

Presentations

Invited Talks

“Equity in Local Climate Action Plans: A Just Solution for Michigan.” Michigan Climate Action Network. May 2025.

Conference Presentations

Western Political Science Association Annual Meeting	2026
Coastal & Estuarine Research Federation Conference	2025
Climate Change Education Solutions Network Conference	2025
MSU Teaching and Learning Knowledge Sharing Conference	2025
Midwest Climate Summit	2025
MSU Data Science Student Conference	2024
MSU Environmental Science and Policy Program Fall Research Symposium	2024
5th International European Social Survey Conference	2024
MSU Environmental Science and Policy Program Fall Research Symposium	2023
Michigan Political Science Association Conference	2023
Engagement Scholarship Consortium International Conference	2023
Michigan Environmental Justice Conference	2023
MSU Environmental Science and Policy Program Fall Research Symposium	2022

Certifications & Trainings

Facilitative Leadership Training Aug 2025

Michigan State University Extension, East Lansing, MI

Topics: Large group facilitation, dialogue mapping, community and action research

Empirical Implications of Theoretical Models Certification July 2025

Empirical Implications of Theoretical Models Institute, Ann Arbor, MI

Topic: Time-series, panel, and longitudinal data analysis

ICPSR Summer Program July 2025

Inter-university Consortium for Political and Social Research, Ann Arbor, MI

Topics: Regression analysis, empirical modeling for social science, statistical machine learning

IPU Grid Power School May 2025
Institute of Public Utilities, East Lansing, MI
Topics: Demand-Side forecasting and efficiency, load management, policy evaluation

Graduate Certificate in Environmental and Social Systems Modeling May 2025
Michigan State University, East Lansing, MI
Topics: Environmental modeling, agent-based modeling, system dynamics modeling, participatory model-building, hierarchical linear modeling, and structural equation modeling

Graduate Certificate in Community Engagement May 2025
Michigan State University, East Lansing, MI
Topics: Foundations of community engaged scholarship, techniques for community engaged research, evaluation of community partnerships, communicating with publics

Graduate Certificate in College Teaching Apr 2023
Michigan State University, East Lansing, MI
Topics: Developing discipline-related teaching strategies, creating effective learning environments, assessing student success

Inclusive Teaching Certificate Jan 2022
Columbia University, New York, NY
Topics: Inclusive course climate, setting explicit expectations, promoting diversity and inclusion, course accessibility, cultivating critical self-reflection

Technical Skills & Methods

Programming: Python, R, Stata, SQL, \LaTeX

Software: ArcGIS Pro, ICLEI ClearPath, Tableau

Methods: Difference-in-differences; OLS, multilevel/hierarchical linear models, fixed effects, logistic and ordered logistic regression; survey experiments, field experiments; latent class analysis, random forest, XGBoost, SVM; semi-structured interviewing; online and mail survey design; geospatial analysis and mapping

Fellowships, Grants, & Awards

Charles Cannell Fund in Survey Methodology Award Apr 2026
Institute for Social Research, University of Michigan

DOE Energy Innovator Fellowship Mar 2025
Oak Ridge Institute for Science and Education, U.S. Department of Energy

Community Engagement Award Mar 2025
Environmental Science and Policy Program, Michigan State University

Margaret A. Davidson Graduate Fellowship Aug 2024
Office for Coastal Management, National Oceanic and Atmospheric Administration

DOE Scholars Program Fellowship Jun 2024
Office of Clean Energy Demonstrations, U.S. Department of Energy

2024 NatSci Awesome Graduate Student Award May 2024
College of Natural Science, Michigan State University

Life on a Sustainable Planet Community and Environment Fellowship Apr 2024
Smithsonian National Zoo and Conservation Biology Institute, Smithsonian Institution

Bailey Scholars Program Fellowship College of Agriculture and Natural Resources, Michigan State University	Apr 2024
U.S. Fulbright Scholars Research Award Institute of International Education	Mar 2024
Competitive Student Research Grant Environmental Science and Policy Program, Michigan State University	Mar 2024
Student Research Symposium Best Presentation Award (Runner-Up) Environmental Science and Policy Program, Michigan State University	Dec 2023
National Science Foundation STEM Ambassador Program Outreach and Engagement Office, Michigan State University	Sep 2023
MSU Cloud Computing Fellowship Institute for Cyber-Enabled Research, Michigan State University	Aug 2023
Catalyst Leadership Circle Fellowship Graham Sustainability Institute, University of Michigan	May 2023
Public Policy Learning Assistant Scholarship Department of Political Science, Michigan State University	Jan 2022, Jan 2023
Tom Schneider Peace Award Peace Education Center	May 2019

Teaching Advising

Teaching Assistant, Michigan State University	
ANR 210: Foundations in Connected Learning (U)	Fall 2024
ANR 310: Integrated Learning Seminar (U)	Spring 2025
PLS 422: Seminar in Political Science (U)	Spring 2022
PLS 494: Field Experience in Political Science (U)	Spring 2022
Graduate Coordinator & Consultant, Michigan State University The Writing Center @ MSU, East Lansing, MI	Jan 2023 – May 2025

Community & University Service

Environmental Commissioner Government of Meridian Township	Feb 2023 – Feb 2025
Student Committee Lead ESPP Fall Research Symposium, Michigan State University	Aug 2023 – Oct 2023
Conference Reviewer Engagement Scholarship Consortium	April 2023