

# Graham Diedrich

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## Education

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**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

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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

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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](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

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### 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

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**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**

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**Programming:** Python, R, Stata, SQL, L<sup>A</sup>T<sub>E</sub>X

**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**

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**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 Institution

**Bailey Scholars Program Fellowship** Apr 2024  
College of Agriculture and Natural Resources, Michigan State University

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

## Teaching Advising

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<b>Teaching Assistant, Michigan State University</b>	
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
<b>Graduate Coordinator &amp; Consultant, Michigan State University</b> The Writing Center @ MSU, East Lansing, MI	Jan 2023 – May 2025

## Community & University Service

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