

Liza Wood

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EDUCATION

Ph.D., Ecology and Environmental Policy Specialization: Computational Social Science University of California Davis, Davis, CA, USA	2023
M.Sc., Organic Farming and Food Production Systems Newcastle University, Newcastle upon Tyne, UK	2015
M.Sc., Sustainability Science and Policy Maastricht University, Maastricht, NL	2014
B.A., Political Science B.A., Biology Honors College at the College of Charleston, Charleston, SC, USA	2013

EMPLOYMENT

Postdoctoral Research Fellow University of Exeter, Environment and Sustainability Institute and Sustainable Futures	2023 – present
Graduate Student Researcher and Teaching Assistant University of California Davis DataLab	2022 – 2023
Center for Environmental Policy & Behavior	2018 – 2022
Horticulture Innovation Lab & USAID	2019
Assistant Director of First-Year Experience College of Charleston, New Student Programs	2016 – 2018
Climate & Fisheries Extension Researcher South Carolina Sea Grant Consortium	2012 – 2013

PUBLICATIONS

PEER-REVIEWED PUBLICATIONS

Wood, L., Scott, T. (2022) Transportation agencies as consumers and producers of science: The case of state, regional, and county transportation agencies in California. *Transport Policy* 128. <https://doi.org/10.1016/j.tranpol.2022.08.016>.

Wood, L., Lubell, M., Rudnick, J., Khalsa, S.D.S., Tatge, S., Sears, M., Brown, P. (2021) Mandatory information-based policy tools facilitate California farmers' learning about nitrogen management. *Land Use Policy* 114. <https://doi.org/10.1016/j.landusepol.2021.105923>.

Rudnick, J., Lubell, M., Khalsa, S.D.S., Tatge, S., **Wood, L.**, Sears, M., Brown, P. (2021). A Farm Systems Approach to the Adoption of Sustainable Nitrogen Management Practices in California. *Agriculture and Human Values* 38. <https://doi.org/10.1007/s10460-021-10190-5>.

UNDER REVIEW

Wood, L., Hubbard, K., Zystro, J. Compliance within regulatory gray areas: The case of the organic seed standard. Revise and resubmit in *Regulation & Governance*.

Wood, L., Vantaggiato, F.P., Scott, T.A. Tracing the path of knowledge on ‘environmental governance processes’ for theory-building. Revise and resubmit in *Environmental Policy and Governance*.

Scott, T., Kim, S., **Wood, L.** Open access, professional popularity, and agency involvement drive science referenced in U.S. EPA regulatory impact analyses from 2000 to 2022. Revise and resubmit in *Regulation & Governance*.

Wood, L., Lubell, M. Mapping the spatial structure of the organic seed system: A network approach to the Global Innovation System framework. Under review in *Research Policy*.

Wood, L., Lubell, M. Resource constellations and institutional logics shape network-building processes in the organic seed niche. Under review in *Environmental Innovation and Societal Transitions*.

IN PREPARATION

Wood, L., Struthers, C., Scott, T.A., Kim, S. Science politics: How political context shapes public agencies’ use of science in environmental policymaking.

Wood, L. How public and private innovations shape environmental sustainability: Evidence from a century of plant patents.

Wood, L., Pascucci, S. Entanglements of ecological systems and organizational transformation in the organic seed niche.

van denBroek, O.M., Moon, J. Knudsen, J., **Wood, L.** Organizing cross-sector partnerships: Towards a network governance model.

REPORTS & CHAPTER

Hubbard, K., Zystro, J., & **Wood, L.** (2022). *State of Organic Seed*. Port Townsend, Washington. | Data explorer: <https://organicseed.shinyapps.io/SOSData/>

Wood, L., Lubell, M. (2022). *Vina Subbasin Farmer Survey Report* | Data explorer: <https://liza-wood.shinyapps.io/Vina-interactive-survey/>

Wood, L. (2013). “Sowing sustainability: Rice commodity pathways, NGOs, and farmers’ engagement with alternative agriculture in northeastern Thailand.” *Growing Sustainable Communities: A Development Guide for Southeast Asia*. (pp. 111-151). Ed. Brennan, L. et al. Australia: Tilde University Press.

PRESENTATIONS

Wood, L. (2024, June) How public and private innovations shape environmental sustainability: Evidence from a century of plant patents. Environmental Politics and Governance Conference. Quebec City, CA.

Wood, L., Pascucci, S. (2024, March) Mapping the research landscape of collaborative processes in sustainable business model innovation. King’s College London Centre for Sustainable Business Short Paper Workshop: Unlocking pathways for a sustainable future. London, UK.

Wood, L. (2023, August) Sustained coexistence pathways for non-proprietary innovation. International Sustainable Transitions Conference. Utrecht, NL.

Wood, L. Scott, T.A, Struthers, C., Kim, S. (2023, July) Science politics: How political context shapes public agencies' use of science in environmental policymaking. Environmental Politics and Governance Conference. Glasgow, UK.

Wood, L. & Scott, T.A. (2023, January) [govscienceuseR: Tools for quantifying science in policy](#). Conference of Policy Process Research. Denver, CO.

Wood, L. & Lubell, M. (2022, November). Analyzing sustainability transitions with innovation system networks: The case of the organic seed system in the United States. International Sustainable Transitions Conference, remote presentation.

Wood, L. (2022, June). Supporting innovation for sustainable agriculture: The case of the organic seed system in the United States. Newcastle University School of Natural and Environmental Sciences Seminar Series, invited talk, remote presentation.

Wood, L. (2022, May). Governing agrobiodiversity: A comparison of regional seed innovation systems as social-ecological networks. 8th Annual Duck Family Workshop on Environmental Politics and Governance, University of Washington. Seattle, WA.

Wood, L. (2022, March). Seed innovation systems in the US: The politics of science for agro-ecological transitions. Atlanta Academy on Science and Innovation Policy. Atlanta, GA.

Wood, L. (2021, December). Mapping the seed innovation system. Mars-Wrigley Cacao Research & Development Seminar Series. Davis, CA.

Wood, L. & Rudnick, J. (2020, April). The effect of information-based policy tools on farmers' nitrogen management. American Association of Geographers Annual Meeting, remote presentation.

Wood, L. (2019, July). Assessing Seed System Resilience: A Case Study from Northeastern Thailand. International Association for the Study of the Commons, Lima, Peru.

TEACHING EXPERIENCE

DATA SCIENCE

Instructor | Contracted by California State Water Board

[R for Water Resources Data Science](#)

Spring 2023, 2024 & 2025

Teaching Assistant | UC Davis – UC Davis DataLab

IST 8x: [Adventures in Data Science](#)

Winter & Spring 2022 & 2023

Instructor | UC Davis – Graduate Group in Ecology

ECL 298: [R Data Analysis for Visualization in Science](#)

Fall 2020, 2021 & 2022

ENVIRONMENTAL AND SUSTAINABILITY SCIENCE

Teaching Assistant | UC Davis – Departments of Plant Sciences and Environmental Science and Policy

PLS 49: Organic Crop Production Practicum

Fall 2019, Spring 2020

ESP 10: Current Issues in the Environment

Winter 2019

Instructor | College of Charleston – Department of Environmental and Sustainability Science

FYET 177: Sustainable Food in the Foothills of the Andes

Spring 2017, 2018 & 2019

FYSE 142: Farm to Fork: The Sustainable Food Movement in Charleston

Spring 2018

GRANTS & AWARDS

USDA Western Sustainable Agriculture Research & Education Graduate Student Grant	2020 – 2022
Rotary Foundation Global Grant Scholarship to Newcastle, United Kingdom	2014 – 2015
Fulbright Maastricht University Award to Maastricht, The Netherlands	2013 – 2014

FELLOWSHIPS AND HONORABLE MENTIONS

Fulbright Netherlands Research Award, Semi-finalist	2022
UC Davis Henry A. Jastro Student Research Fellowship	2019 – 2023
UC Davis Angela and Theodore Foin Graduate Fellowship	2020 – 2021
Ford Foundation Fellowship Program, Honorable Mention	2020
UC Davis Muir Institute Graduate Fellowship	2019 – 2020
UC Davis Graduate Group in Ecology Fellowship	2018 – 2020

SERVICE

Reviewer <i>Policy Studies Journal</i> , <i>Society & Natural Resources</i>	2023 – 2024
Davis R Users Group Coordinator UC Davis	2021 – 2023
Ecology Graduate Group Graduate Student Mentor UC Davis	2019 – 2022
Data Carpentries Instructor The Carpentries	2021 – 2022
Admissions Committee Application Reviewer UC Davis	2019 – 2021
Sustainability Literacy Writing Committee Member College of Charleston	2017 – 2018
Faculty for Sustainable Living Workshop Coordinator College of Charleston	2016 – 2018
Internal Fellowship Interview Panelist College of Charleston	2016 – 2017

COMPUTATIONAL & STATISTICAL TRAINING

Applied Statistical Modeling: Multi-level and Bayesian approaches UC Davis PLS 298	2021
Introduction to Social and Ecological Network Analysis Short Course SESYNC	2020
Political Science Quantitative Methods I & II UC Davis POL 212 & 213	2020
Algorithmic Reading: Quantitative Text Analysis in R UC Davis STS 275	2020
Social Network Analysis Short Course UC Davis PHR 298	2019
Introduction to Computational Social Science UC Davis CMN 275	2019