

# 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

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## EMPLOYMENT

Postdoctoral Research Fellow University of Exeter, <a href="#">Environment and Sustainability Institute</a> and <a href="#">Sustainable Futures</a>	2023 – present
Graduate Researcher and Teaching Assistant University of California Davis <a href="#">DataLab</a>	2022 – 2023
<a href="#">Center for Environmental Policy &amp; Behavior</a>	2018 – 2022
<a href="#">Horticulture Innovation Lab &amp; USAID</a>	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

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## FUNDED PROJECTS

EU Horizon InBestSoil Project   Postdoctoral Researcher University of Exeter <i>Researching collaborative organizational strategies and business models for soil health across nine European case studies; Methods include bibliometric analyses and co-creative activities such as participatory systems mapping</i>	2023 – present
Western Sustainable Agriculture Research & Education Program   Graduate Researcher University of California, Davis <i>Analyzed organic seed stakeholder networks to better understand structural drivers of seed innovation system</i>	2020 - 2022

*transitions in the United States; Methods included survey design and implementation, regression, and inferential network analysis*

3 Revolutions for Future Mobility Program | Graduate Researcher 2020 – 2022

University of California, Davis

*Assessed the use of science in transportation policy making; Methods included web scraping, string manipulation, and machine learning on policy and planning documents from agencies in California*

CDFA Fertilizer Research and Education Program | Graduate Researcher 2019 – 2020

University of California, Davis

*Researched how information-based policy tools in California affect farmer conservation behavior; Methods include survey data management and logistic regression*

Horticulture Innovation Lab & USAID | Graduate Researcher 2019

University of California, Davis

*Reviewed the Lab's projects to glean generalizable findings regarding technology adoption for sustainable international development*

EU Healthy Minor Cereals Project | Graduate Researcher 2014 – 2015

Newcastle University

*Evaluated crop quality of spelt grown under organic intensification strategies in Greece and compared nutritional value of organic and conventional spelt and wheat flour in laboratory assays*

ASIANetwork & Freeman Asia Foundation | Undergraduate Researcher 2012 – 2013

College of Charleston

*Conducted survey research to understand cultural narratives related to rice varieties in NE Thailand and the role of alternative markets in the rice commodity supply chain*

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## 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>.

Wang, J., Baranski, M., Korkut, R., Ashraa Kalee, H., **Wood, L.**, et al. (2021). Performance of Modern and Traditional Spelt Wheat (*Triticum spelta*) Varieties in Rain-Fed and Irrigated, Organic and Conventional Production Systems in a Semi-Arid Environment; Results from Exploratory Field Experiments in Crete, Greece. *Agronomy* 11, 809. <https://doi.org/10.3390/agronomy11050890>.

### REPORTS & CHAPTER

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

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

## UNDER REVIEW

**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. Resource constellations and institutional logics shape network-building processes in the organic seed niche. Revise and resubmit in *Environmental Innovation and Societal Transitions*.

**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*.

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## PRESENTATIONS

**Wood, L.** & Pascucci, S. (2024, July) Entanglements of ecological systems and organizational transformation in the organic seed niche. European Group for Organizational Studies. Milan, IT.

**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.** & 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.** (2022, February). [“Assessing the Resilience of the Organic Seed System: A Network Perspective.”](#) Organic Seed Growers Conference, remote presentation.

**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.

**Wood, L.** & Delfeld, H. (2012, September). “Non-governmental agricultural movements and rice commodity systems.” 2nd Workshop on Anticommodities: Local Forms Of Production As Resistance Against Market Domination, Wageningen, The Netherlands.

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## TEACHING EXPERIENCE

### 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

### 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

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## 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