

Dept. Natural Resource & Environmental Management
(NREM)
University of Hawai'i at Mānoa
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ACADEMIC APPOINTMENTS

Assistant Professor Environmental Economist
University of Hawaii at Manoa (2024-present)
Dept. NREM, *Non-Tenure*

Postdoctorate Scholar
University of Hawaii at Manoa (2023)
Dept. NREM, [Kirsten Oleson ~ Oleson Lab](#)

EDUCATION

Ph.D. Applied Economics - Oregon State University (2023)
Dissertation: "Understanding the New Outdoor Recreation Paradigm in the Era of Social Media and Increasing Public Health Advisories" [Link](#)

MS Applied Economics - Oregon State University (2020)

BS Economic - Portland State University (2010)

PUBLICATIONS

Lowe Mackenzie, A., S. J. Dundas, and B. Zhao. (2024) *The Instagram Effect: Is Social Media Influencing Visitation to Public Land?* Land Economics. DOI : <https://doi.org/10.3368/le.100.2.122920-0192R1>

Olsen, M. J., J Allan, S. J. Dundas, A. Lowe Mackenzie, M. Krivova, A. Senogles, B. A. Leshchinsky, J. Hermann, and C. Parrish (2024). US Highway 101 Coastal Hazard Vulnerability and Assessment for Mitigation Prioritization, Oregon Department of Transportation Project, Federal Highway Administration, [Final Report](#)

WORKING PUBLICATIONS

Lowe Mackenzie, A., A. Dugstad & K. Oleson. The economic value of forest campsite closures in Hawai'i **R&R** *Land Economics* [Link](#)

Lowe Mackenzie, A., Perng L., A. Dugstad, Fezzi, C. & K. Oleson The economic value of coral reefs under future climate scenarios of coral reefs for the main Hawaiian Islands **Under Review** *Ecological Economics* [Link](#)

Lowe Mackenzie, A., S.J. Dundas. Is a Photo Worth 1,000 Likes? The Influence of Instagram at National Parks [Link](#)

Lowe Mackenzie, A., S.J. Dundas & Dickson C. The Effects of Public Health Advisories on the Value of Recreational Camping [Link](#)

WORK IN PROGRESS

[United by Nature](#) formally known as [First National Nature Assessment: Chapter Nature and the Economy](#) US Global Change Research Program.

CoAuthor & Graphic Lead (Chapter Lead: Rajat Panwar, CoAuthors: Pamela Bachman, Uris Lantz Baldos, Marc Berejka, Brian Buma, Y. Allen Chen, Jaana Korhonen, Theresa Lieb, Jakki Mohr, Stephen Polasky, Anthony Rogers, Randy Rosenberger, John Whitehead)

The economic value of the Na Ala Hele Trail System in Hawaii: A case study using Mobility Data (Dr. Melissa Price, Dr. Kirsten Oleson)

Estimating the Impacts of Removing Oregon's Severance Tax on Large Industrial Timber Harvesting

PROFESSIONAL DEVELOPMENT

PICASC full proposal (2024) -2nd round; final round unaligned w/administration proprieties

EPA Coastal Ecosystems Resilience (2024) - 2nd round; final round unaligned w/administration proprieties

Social Justice Education Initiative Training –Professional Development (2020)

Graduate Teaching Training – OSU (2020)

PROFESSIONAL SERVICE

AAEA Abstracts 2024-2025

AERE Abstract 2025

JPRA, Reviewer (1)

Tourism Geography Reviewer (1)

TEACHING**Instructor**

University of Hawai'i at Māona

- NREM 691 Valuing Nature (*Developed*) [Link](#)
- ECON/NREM 429 Spreadsheet Modeling for Business & Economic Analysis [Link](#)
- NREM 494 Environmental Problem Solving Capstone

Western Oregon University

- SUS 390 Global Climate Change
- SUS 340 Sustainability & Capitalism *eCampus*

Oregon State University

- AEC 253 Environmental Law, Policy and Economics *eCampus*

Guest Lectures

- NREM 600 Foundations of Natural Resource and Environmental Management and Policy
- NREM 301 Natural Resources Management

Graduation Teaching Assistant

- AEC 253 Environmental Law, Policy and Economics *eCampus*
- AEC 525 Applied Econometrics
- AEC 447 Agriculture Price and Market Analysis
- AEC/ECON 432 Environmental Law *eCampus* & On-campus
- AEC 388 Agricultural Law *eCampus* & On-campus
- AEC/ECON 352 Environmental Economics and Policy
- SUS 350 Sustainability Communities (3quarters) *eCampus*
- SUS 304 Sustainability Assessment (3quarters) *eCampus*
- AEC 253 Environmental Law, Policy and Economics (3quarters) *Ecampus* & On-campus
- AEC 122 Introduction to Climate Change Economics and Policy *Ecampus* & On-campus

PRESENTATIONS & CONFERENCES

- 2025: ***AERE Graduate Student Professional Development Panel Series***; April 7, 2025: "Master the Art of Research Communication," featuring Paul Ferraro (Johns Hopkins University, Sathya Gopalakrishnan (Ohio State University), and Ashley Lowe Mackenzie (University of Hawai'i at Mānoa)
- 2024: ***Natural Resources & Environmental Management Alumni Seminar Series***
The Economic Value under Future Ecological Scenarios of Coral Reefs for the Main Hawaiian Islands
- 2024: ***Workshop on Energy and Environmental Research (WEER)***
- 2023: ***Workshop on Energy and Environmental Research (WEER)***

Conferences

- 2025: ***Association of Environmental and Resource Economists (AERE) Summer Conference – Environmental Valuation section***
Society for Benefit-Cost Analysis (SBCA) - Environmental Valuation
John Whitehead, Appalachian State University
Multistate Research Projects: W5133: Economic Valuation and Management of Natural Resources on Public and Private Lands
AERE Panelist "How to Effectively Communicate Your Research: Presenting, Writing, and Posting." – April 2024
- 2024 : ***WEAI Western Economic Association Summer Conference – Big Data (Seattle)***
2nd MSEAS Marine Socio-Ecological Systems Symposium – (Japan)
AERE Summer Conference (DC, USA)
- 2023: ***Camp Resources*** (Ashville, NC)
- 2020: ***People and Nature*** at Oregon State (Online)

GRADUATE ADVISING**Committee Member**

Current: Helen Hastedt: Tourism Impacts in Hawaii (MS. exp. 2026)

Ruivaldo Cristalliano Freitas Viana: Willingness to Pay for Sustainable Trails (MS. exp. 2026)

Zoe Sidana Bunnath: Ecosystem Services in the context of Cambodia (MEM exp. 2026)

UNIVERSITY SERVICE

Dept. NREM, Search Committee (2024)

PROFESSIONAL ASSOCIATION MEMBERSHIPS

*Association of Environmental and Resource Economists

*Multistate Research Projects: W5133: Economic Valuation and Management of Natural Resources on Public and Private Lands

*Society of Benefit Cost Analysis

SELECTED MEDIA COVERAGE

[Podcasts and Radio Interviews Does Instagram lead to overcrowding in Oregon Parks?](#) Peak Northwest podcast, December 2023.

[How much can we blame Instagram for overcrowding in Oregon Parks?](#) The Oregonian, October 2023.

[Is Instagram making the great outdoors more crowded?](#) Oregon Public Broadcasting, October 2023.

REFERENCES

[Dr. Steven Dundas](#)

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Advisor Chair & CoAuthor

[Dr. Ashley D'Antonio](#)

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Society – Oregon State University
Associate Professor
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Member, Advisor for recreation ecology
concentration

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Associate Professor
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[Dr. Nadia A. Streletskaya](#)

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Oregon State University
Associate Professor
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behavioral economics concentration

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Professor
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