

Dr. Yen-Chu Weng

yweng@uw.edu | Program on the Environment | University of Washington

ACADEMIC EMPLOYMENT

Assistant Teaching Professor, Program on the Environment, University of Washington, 2025 - Present

Associate Chair: Taiwan Studies Program, The Henry M. Jackson School of International Studies

Affiliations: Center for Environmental Politics

School of Environment and Forest Sciences

Taiwan Studies Program, The Henry M. Jackson School of International Studies

Center for Studies in Demography and Ecology

Fulbright Scholar, Study of the United States (Teaching in Social Sciences and Humanities), Sophia University and Hosei University, Tokyo, Japan, 2025 - 2026

Lecturer, Program on the Environment, University of Washington, 2015 - 2025

Program Director, Program on the Environment - Taiwan: Exploring Environmental and Social Resilience, Study Abroad Program, University of Washington

Fellowships and Distinctions at the University of Washington

Global Engagement Fellow, Office of Global Affairs

Collaborative Online International Learning (COIL) Fellow, Office of Global Affairs

Evidence-based Teaching Program Fellow, Center for Teaching and Learning

Writing@UW Fellow, Writing@UW

Postdoctoral Teaching Fellow, Program on the Environment, University of Washington, 2013 - 2015

EDUCATION

Ph.D. in Geography, University of Wisconsin-Madison, 2011

Dissertation: *The Dynamics of Public Participation in Ecological Restoration: Professional Practitioners, Volunteers, and Institutional Differences*

M.S. in Geography, University of Wisconsin-Madison, 2005

Thesis: *Spatiotemporal Changes of Landscape Pattern in Response to the Process of Urbanization: A Case Study of the Madison Area, Wisconsin, USA*

B.S. in Geography, National Taiwan University, 2003

TEACHING EXPERIENCE

Instructor of Record, University of Washington (2013 - Present)

Program on the Environment

ENVIR 100: Introduction to Environmental Studies

ENVIR 301: Research Methods in Environmental Studies

ENVIR 310: Data Analysis in Environmental Studies

ENVIR 401: Analysis of Environmental Cases

General Studies

GEN ST 297: Undergraduate Seminar: Achieving the United Nations Sustainable Development Goals

Program on the Environment and Cross-listed with the Henry M. Jackson School of International Studies

ENVIR 430/JSIS 484: Environmental Issues in East Asia

ENVIR 495/JSIS 484: Taiwan's Natural Landscapes and Environmental Issues
ENVIR 496/JSIS 391: Study Abroad: Exploring Environmental and Social Resilience

UW Bothell Interdisciplinary Arts and Sciences

BES 301: Science Methods and Practice

School of Marine and Environmental Affairs

SMEA 550: Qualitative Content Analysis (Graduate-level Course)

Professional & Continuing Education, Continuum College

GIS C 510: Principles of Cartography and Thematic Design (Certificate in GIS Professional Program)

DDDSB 130: Data Driven Decisions for Sustainable Business (Business Entrepreneurship for Sustainability, International & English Language Programs)

Robinson Center for Young Scholars

Understanding Our World Through Data (Summer enrichment course for high-achieving middle school and high school students at the UW)

Visiting Lecturer, Fulbright Scholar in Japan (2025-2026)

Faculty of Global and Interdisciplinary Studies, Hosei University

GEOG100ZA: Introduction to Geography

MAN300ZA: Business Sustainability and SDGs

EAE300ZA: Analysis of Environmental Cases

Department of English Literature, Sophia University

ELT312: American Environmental Literature

ELT334: Global Environmental Politics

GSS304: Environmental Issues in East Asia

Teaching Assistant, Department of Geography, University of Wisconsin-Madison (2003-2010)

Geography 120: Global Physical Environments

Geography 339: Environmental Conservation

Geography 370: Introduction to Cartography

Geography 377: Introduction to GIS

PUBLICATIONS & PRESENTATIONS

Journal Articles

Weng, Y.-C. (2015) "Contrasting Visions of Science in Ecological Restoration: Expert-lay Dynamics between Professional Practitioners and Volunteers", *Geoforum*. **65**: 134-145.

Weng, Y.-C. (2007) "Spatiotemporal Changes of Landscape Pattern in Response to Urbanization", *Landscape and Urban Planning*. **81** (4): 341-353.

Weng, Y.-C. (2003) "A Preliminary Analysis of the Ecological Value of Parks, Da-An District, Taipei", *Bulletin of the Geographical Society of China*. **31**: 111-126.

Book Chapter

Weng, Y.-C. and C.-C. Cheng (2026) "Evaluating the Accessibility of Interpretive Signs in Nature Parks: Comparative Perspectives from Taiwan and Washington State", In Meyers, S. and J. Naranjo (Eds.) *Disability & the Outdoors: Disability Studies Perspectives on Access, Inclusion, and Identity in Participation and Belonging in the Natural World*, University of Washington Press. (Under contract)

Curriculum Development

- Callow, M., R. Taylor, R. Chapman, L. Chrisman, E. Levesque, L. Meza, A. Searcy, J. Slaker, and Y.-C. Weng (2024) "Transforming W Course: Project and Pedagogies Developed in the Writing@UW Fellowship", UW Center for Teaching & Learning Showcase, April 16, Seattle, Washington. <https://writing.washington.edu/fellowship>
- Weng, Y.-C., and P.-Y. Hung (2024) "Situating Learning in a Cross-Cultural Context through a UW Study Abroad Program", UW Center for Teaching & Learning Showcase, April 16, Seattle, Washington. <https://teaching.washington.edu/learn/teaching-and-learning-symposium/2024-teaching-learning-showcase/weng-et-al/>
- Weng, Y.-C. (2018) "Visualizing Global CO2 Emissions", Investigating socio-environmental issues with data, QUBES Teaching Resource. <https://qubeshub.org/qubesresources/publications/521/1>
- Weng, Y.-C. (2018) "Globally endangered sea turtles of the Palmyra Atoll National Wildlife Refuge: A Focus on Scientific Analysis", Investigating socio-environmental issues with data, QUBES Teaching Resource. <https://qubeshub.org/qubesresources/publications/421/1>
- Straus, K.M. and Y.-C. Weng (2016) "ENVIR 100: Introduction to Environmental Studies Course Canvas Website" Hybrid version of the course module was selected by the UW-IT as an exemplary template.
- Deaton, M. L., C. A. Wei, C. A., and Y.-C. Weng (2016) "Concept Mapping: A Technique for Teaching about Systems and Complex Problems." National Socio-Environmental Synthesis Center (SESYNC) Case Study Teaching Resources.
- Mulvaney, K., S. Pulver, C. Ryan, and Y.-C. Weng (2014) "Using systems maps to analyze complex social-environmental issues: A case study of geoduck aquaculture in the Puget Sound." National Socio-Environmental Synthesis Center (SESYNC) Case Study Collection. *Winner of Commendation for Exemplary S-E Synthesis Case Study.* <https://www.sesync.org/using-system-maps-to-analyze-complex-social-environmental-issues-a-case-study-of-geoduck-aquaculture>

Scholarship of Teaching and Learning (Conference Presentations)

Key words: International and intercultural competence; immersive and experiential learning; case study pedagogy; engagement strategies for online learning

**Session organizer and chair*

- Weng, Y.-C.*, S. Santiago, U. Valdez, R. Minarchek, and Y.-C. Tseng (2025) "Innovative Pedagogies for Global EE: Intercultural, Interdisciplinary, and International Learning", North American Association for Environmental Education Annual Conference, November 3-6, Virtual Conference.
- Weng, Y.-C. (2025c) "Engaging University Students in Climate Change Communication: A Comparative Evaluation of Three Active Learning Lesson Plans", The 10th International Symposium on Environmental Sociology in East Asia, October 31-November 2, Taipei, Taiwan.
- Weng, Y.-C.*, L. Alzaroo, J. Chen, and C.-I. Chen (2005) "Exploring Teacher and Student Identity and Intersectionality through Writing and Classroom Practices: A Roundtable Discussion", Moderator, Praxis Conference, University of Washington English Department Writing Program, May 30, Seattle, Washington.
- Weng, Y.-C. (2025b) "Embedding Accessibility Across the Curriculum", AccessADVANCE Capacity Building Institute, May 21-22, University of Washington, Seattle, Washington.
- Weng, Y.-C. (2025a) "Place-Based Experiential Learning Curriculum at the University of Washington: From Local to Global, From Practice to Action", Annual Meeting of the American Association of Geographers, March 24-28, Detroit, Michigan.

- Weng, Y.-C., C.-C. Cheng, and P.-Y. Hung (2024) "Cultivate Global Leadership in EE through Study Abroad and COIL", North American Association for Environmental Education Annual Conference, November 6-9, Pittsburgh, Pennsylvania.
- Weng, Y.-C. (2024c) "Innovative Pedagogies for Global EE: Intercultural, Interdisciplinary, and International Learning", UW College of the Environment Symposium, September 23, Seattle, Washington.
- Alzaroo, L., T. Billo, P. S. McDonald, K. Straus, Y.-C. Weng, and E. Wheat (2024) "Beyond the Classroom: The Power of Experiential Learning and Immersive Experiences in Sustainability Workforce Development", National Sustainability Society National Conference, September 9-12, Seattle, Washington.
- Weng, Y.-C. (2024b) "Assessing Students' Sense of Belonging in Group Work with a Mid-Course Intervention: Learning from ENVIR 401 Analysis of Environmental Cases", UW Center for Teaching and Learning Evidence-Based Teaching Fellowship Program report.
- Straus, K., T. Billo, P. S. McDonald, Y.-C. Weng, and E. Wheat (2024) "Immersive Learning to Better Know Home and Understand Global Issues", Washington Oregon Higher Education Sustainability Conference (WHOESC), March 4-6, Bellingham, Washington.
- Weng, Y.-C. (2024a) "Fostering Cross-Cultural Reflection on Sustainability through a UW Study Abroad program", Washington Oregon Higher Education Sustainability Conference (WHOESC), March 4-6, Bellingham, Washington.
- Weng, Y.-C. (2020) "Does Watching Lecture Videos Improve Grades? Lessons from ENVIR 100", UW Center for Teaching and Learning Symposium, April 6, Seattle, Washington. (Poster)
- Weng, Y.-C., J. Delgado-Acevedo, and T. Roth (2018) "Investigating Socio-environmental Issues with Data: A Case Study Approach – Roundtable Discussion", North American Association for Environmental Education Annual Conference, October 9-13, Spokane, Washington.
- Weng, Y.-C. (2018) "Case Study Pedagogy: Practicing Analytical Skills with Environmental Cases", North American Association for Environmental Education Annual Conference, October 9-13, Spokane, Washington.
- Weng, Y.-C. and K. Straus (2018) "ENVIR 100 Online versus Traditional Lecture: Comparing Final Grades and Course Evaluations", UW Center for Teaching and Learning Symposium, April 17, Seattle, Washington. (Poster)
- Weng, Y.-C. (2018) "Strategies for Enhancing Thoughtful and Engaging Posts on the Discussion Board", WACC – Washington's Annual Canvas Conference, March 29-30, Tacoma, Washington.
- Weng, Y.-C. (2016) "Teaching Systems Thinking Framework with Environmental Case Studies", UW Center for Teaching and Learning Symposium, April 19, Seattle, Washington. (Poster)
- Mulvaney, K., S. Pulver, C. Ryan, and Y.-C. Weng (2015) "Using systems maps to analyze complex social-environmental issues: A case study of geoduck aquaculture in the Puget Sound", Association for Environmental Studies and Sciences Conference, June 24-25, San Diego, California.

Conference Presentations (Disciplinary Research: Geography)

Key words: Ecological restoration, public participation, citizen science, expert-lay dynamics, political ecology, GIS, spatiotemporal analysis, landscape metrics

- Weng, Y.-C. (2016) "Expert-lay dynamics between professional practitioners and volunteers in ecological restoration: Case study comparisons between university arboreta and municipal parks", Ecological Society of America Annual Meeting, August 7-12, Fort Lauderdale, Florida.
- Weng, Y.-C. (2013) "What Does Ecological Restoration Mean to Volunteers? Meanings, Values, and Interpretations", Fifth World Conference on Ecological Restoration, October 6-11, Madison, Wisconsin.

- Weng, Y.-C. (2009b) "Amateur Restorationists: Traversing the Boundary between Expert and the Lay", Annual Meeting of the Society for Social Studies of Science, October 28-31, Washington, D.C.
- Weng, Y.-C. (2009a) "Amateur Restorationists: Lay Scientists and Concerned Citizens", Annual Meeting of the Association of American Geographers, March 22-27, Las Vegas, Nevada.
- Weng, Y.-C. (2008c) "The Dynamics of Public Participation in Ecological Restoration: Analysis of Expert-Volunteer Relationships in Three Institutional Settings", Human Flourishing and Restoration in the Age of Global Warming Conference, September 5-7, Clemson, South Carolina.
- Weng, Y.-C. (2008b) "The Disciplinary Boundaries of Nature in Ecological Restoration: (In)commensurability between Ecological Scientists' Nature and Social Critics' Nature?", International Association for Environmental Philosophy: Thinking Through Nature Conference, June 19-22, Eugene, Oregon.
- Weng, Y.-C. (2008a) "Diverging Interests, Diverging Knowledges: Democratize Ecological Restoration?", Annual Meeting of the Association of American Geographers, April 15-19, Boston, Massachusetts.
- Weng, Y.-C. (2007) "The Construction of Nature through Restoration Practices: An Exploration of Volunteers' Ecological Imaginaries", Annual Geography Student Symposium, University of Wisconsin, April 13, 2007, Madison, Wisconsin.
- Weng, Y.-C. (2006b) "Negotiating Nature in the Process of Recreating Nature: An Exploration of the Discourses on Ecological Restoration", Annual Meeting of the Association of American Geographers, March 7-11, Chicago, Illinois.
- Weng, Y.-C. (2006a) "Negotiating Nature in the Process of Recreating Nature: A Critical Examination of Restoration Ecology", Political Ecologies of Knowledge, Science, and Technology: An Interdisciplinary Workshop, March 6-7, Madison, Wisconsin.
- Weng, Y.-C. (2005b) "Spatiotemporal Changes of Landscape Pattern in Response to the Process of Urbanization", Annual Meeting of the Association of American Geographers, April 5-9, Denver, Colorado.
- Weng, Y.-C. (2005a) "Spatiotemporal Changes of Landscape Pattern in Response to the Process of Urbanization", Annual Symposium of the United States Regional Chapter of the International Association for Landscape Ecology, March 12-16, Syracuse, New York. (Poster)

INVITED LECTURES AND WORKSHOPS

Invited Lectures and Roundtable Discussions

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| 2026 | "Environmental Education: Connecting Classrooms with the World", College of Environmental Studies, Rikkyo University, May 22, Tokyo, Japan. |
| 2026 | "Community-Engaged Learning: Institutional Support Across Curriculum", presenter in the colloquium titled "Teaching Climate Change Through Place: Experiential Learning for Stronger Environmental Engagement", May 20, Sophia University, Tokyo, Japan. |
| 2026 | "Ecological Restoration: Nature, Science, and Public Participation", Department of Geography, National Taiwan University, April 2, Taipei, Taiwan |
| 2026 | "Evaluating the Accessibility of Park Interpretive Signage: Insights from an Interdisciplinary International Collaborative Teaching Program", Department of Special Education, National Kaohsiung Normal University, March 30, Kaohsiung, Taiwan. |
| 2026 | U.S. State Department's Office of Academic Exchange, Fulbright Roundtable Discussion, panelist, Japan-U.S. Educational Commission, February 16, Tokyo, Japan |

- 2026 “My Journey as a Geographer: From Geospatial Analysis to Cross-Cultural Education”, Faculty of Horticulture, Chiba University, January 7, Chiba, Japan.
- 2025 “Fostering Cross-Cultural Reflections on Sustainability between the US and East Asia”, Hitotsubashi University Global Education Program, December 17, Tokyo, Japan.
- 2025 “Engaging University Students in Climate Change Communication: A Comparative Evaluation of Three Active Learning Lesson Plans”, Graduate Institute of Sustainability Management and Environmental Education, National Taiwan Normal University, November 4, Taipei, Taiwan.
- 2025 “Innovative Pedagogies for Global Environmental Education: Intercultural, Interdisciplinary, and International learning”, Faculty of Global and Interdisciplinary Studies, Hosei University, October 20, Tokyo, Japan.
- 2025 “COIL Fellows Information Session”, Panelist, UW Office of Global Affairs, May 29, Seattle, University of Washington.
- 2025 “Designing Globally-Engaged Group Work”, Panelist, UW Office of Global Affairs and Center for Teaching and Learning, April 24, Seattle, University of Washington.
- 2025 “COIL Fellows Workshop”, Panelist, UW Office of Global Affairs, February 27, Seattle, University of Washington.
- 2024 “COIL Fellows Information Session”, Panelist, UW Office of Global Affairs, October 25, Seattle, University of Washington.
- 2023 “Teaching with the UN SDGs Roundtable Discussion”, Convener and Moderator, UW Global Month Events, November 17, Seattle, University of Washington. Panelists: Eli Wheat, Martha Groom, Fred Pursell, and Jeffrey Walters.
- 2015 “An S-E Synthesis Case Study Example: Using systems maps to analyze complex social-environmental issues: A case study of geoduck aquaculture in the Puget Sound”, Teaching Socio-Environmental Synthesis with Case Studies, National Socio-Environmental Synthesis Center (SESYNC), July 28-31, 2015, Annapolis, Maryland.
- 2014 “Contrasting Visions of Science: Expert-lay Dynamics in Ecological Restoration”, Department of Geography Colloquium, University of Washington, October 31, 2014, Seattle, Washington.
- 2011 “Science, Practice, and Public Participation: Boundary-work in Ecological Restoration”, Yi-Fu Tuan Lectures Series, Department of Geography, University of Wisconsin-Madison, October 14, 2011, Madison, Wisconsin.

Guest Lectures and Workshop

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| 2025/Winter | Teaching Scholar, Waseda Faculty Development Program (Waseda University, Japan), International and English Language Programs, February 24 - March 7, UW Continuum College |
| 2023/Autumn | Taiwan Studies Roundtable Discussion, Taiwan Week, the University of Puget Sound, November 10, 2023 |
| 2023/Autumn | Studying Data Science in the Arts, Humanities, and Social Sciences, Dawg Daze Presentation, UW Data Science Minor, September 25, 2023 |
| 2022/Winter | Organizer and Host, UW Taiwan Studies Lecture Series: Energy Issues in East Asia |
| 2021/Winter | Organizer and Host, UW Taiwan Studies Lecture Series: Contemporary Environmental Issues in Taiwan |
| 2019/Autumn | SMEA Qualitative Analysis Workshop |
| 2019/Autumn | SMEA 550/CHID 498: Critical and Imaginative Restoration Ecologies (Prof. C. Woelfle-Erskine) |
| 2018/Autumn | SMEA Qualitative Analysis Workshop |

- 2018/Autumn SMEA 550/CHID 498: Critical and Imaginative Restoration Ecologies (Prof. R. Anderson and Prof. C. Woelfle-Erskine)
- 2018/Autumn SMEA 512: Interviewing Methods and Environmental Topics (Prof. M. Miller)

Conference Session Chair and Discussant

- 2023 Land/scaping Taiwan Workshop: (Non-)Humans, Environment, and Moments of Encounter, UW Taiwan Studies Program, September 25-26, Seattle. Session Chair: “Environment and Landscape”
- 2023 9th Annual Duck Family Graduate Workshop on Environmental Politics and Governance, Center for Environmental Politics, May 10-12, Seattle. Session Chair: “Political Regimes and the Environment”
- 2022 The 4th World Congress of Taiwan Studies, Local Organizing Committee, June 27-29, Seattle & Taiwan. Session Chair: “Environment, Energy, and the Public”
- 2019 North American Taiwan Studies Association 25th Annual Conference, May 16-18, Seattle. Discussant: “Environment as Politics: History, Ecology, and Legality in Perspective”

GRANTS, AWARDS & FELLOWSHIPS

Scholarship of Teaching and Learning Awards and Fellowships

- 2025-26 Fulbright Scholar, Study of the United States (Teaching in Social Sciences and Humanities in Japan)
Project: American environmental history and environmental politics: A US-Japan comparative project
- 2024-25 UW Resilience Lab Fellowship (\$1,000)
Project: Five for Flourishing: Helping Students Thrive in Large Enrollment Courses
- 2024 Writing@UW Fellowship (\$2,000)
- 2023 UW Global Engagement Fellow (extended), Office of Global Affairs (\$3,000)
- 2023 UW Collaborative Online International Learning (COIL) Fellow, Office of Global Affairs (\$1,200)
Project: Accessibility of Interpretative Signs in Environmental Education: Comparative Perspectives from Taiwan and Washington State
- 2022-24 UW Evidence-Based Teaching Program Fellow, Center for Teaching and Learning (\$2,000)
Project: Assessing Students’ Sense of Belonging in Group Work with a Mid-Course Intervention
- 2022 UW Global Engagement Fellow, Office of Global Affairs (\$3,000)
Project: Interdisciplinary Cross-Cultural Classroom Exploration of the United Nations Sustainable Development Goals
- 2018 Nominee, Distinguished Teaching Award, University of Washington
- 2016 Technology Teaching Fellow, University of Washington (\$2,000)

Curriculum Development & Travel Grants and Awards

- 2025 East Asia Pacific Regional Travel Grant, American Indonesia Exchange Foundation, Fulbright Indonesia (\$767.49)
- 2024 NAAEE Young Professionals Scholarship for Conference Attendance, North American Association for Environmental Education & the U.S. Forest Service (\$1,800)
- 2024 UW Faculty Travel Grants for Global Studies, Center for Global Studies (\$570)
- 2023 UW East Asia Center International Travel Grant (\$1,000)
- 2023 UW Global Innovation Fund: Teaching and Curriculum Awards (\$800)
Additional funding support for the COIL project

- 2021 UW Global Innovation Fund: Teaching and Curriculum Awards (\$2,000)
Project: Renewable Energy Transition: Opportunities, Challenges, and Justice - Perspectives from East Asia
- 2020 UW Global Innovation Fund: Teaching and Curriculum Awards (\$2,000)
Project: Climate Change and Society: Experiences and Perspectives from Taiwan and Washington State through International Virtual Exchange (IVE)
- 2019 UW Taiwan Studies Course Development Grant (\$1,000)
- 2018-22 Coach for the Evidence-Based Teaching Program, UW Center for Teaching and Learning
- 2018 UW Global Innovation Fund Study Abroad Award (\$10,000)
Project: Taiwan Study Abroad Program - Exploring Environmental and Social Resilience
- 2018 UW College of the Environment Cross Unit Teaching Incentive Fund (\$3,420)
- 2018 UW Taiwan Studies Course Development Grant (\$2,000)
- 2017 UW Video Captioning Service Grant, UW DO-IT Accessible Technology Services
- 2015 Winner of Commendation for Exemplary S-E Synthesis Case Study. National Socio-Environmental Synthesis Center Case Study Collection (\$1,250)

Research Grants, Awards and Scholarships

- 2023 Climate Change Planning Grant, UW Population Health Initiative (\$10,000)
Co-PI with Dr. Heidi Gough, UW School of Environmental and Forest Sciences
Project: Taking the Pulse of the Community: Developing Survey and Interview Tools for Measuring Public Perceptions on Wastewater Reuse in Western Washington
- 2009-11 Study Abroad Scholarship, Ministry of Education, Taiwan (\$32,000)
- 2009 Whitbeck Graduate Dissertator Award, University of Wisconsin-Madison (\$6,000)
- 2009 Clarence W. Olmstead Award for Outstanding Teaching Assistant, University of Wisconsin-Madison
- 2008-10 NSF Doctoral Dissertation Research Improvement Award (DDRI # 0802627) (\$11,982)
- 2009 The Holtz Center for Science and Technology Studies Graduate Student Research Travel Grant, University of Wisconsin-Madison (\$1,000)
- 2008 The Holtz Center for Science and Technology Studies Graduate Student Research Travel Grant, University of Wisconsin-Madison (\$1,000)
- 2009 Vilas Travel Grant, University of Wisconsin-Madison Graduate School (\$600)
- 2008 Vilas Travel Grant, University of Wisconsin-Madison Graduate School (\$600)
- 2009 Trewartha Conference Travel Award, University of Wisconsin-Madison (\$500)
- 2008 Trewartha Conference Travel Award, University of Wisconsin-Madison (\$500)
- 2008 Outstanding Professional Paper in Geography, University of Wisconsin-Madison
- 2005 Outstanding Paper by a Graduate Student at the Geography Department Symposium, University of Wisconsin-Madison
- 2002 College of Science Dean's Award, National Taiwan University

ACADEMIC CONFERENCE & WORKSHOP PARTICIPATION

Professional Academic Services

- 2026 Building Your Teaching Scholarship: Pathways to Promotion and Sabbatical Opportunities, UW Academic Personnel, January 22

Data Science and Data Science Education

- 2025 Data Visualization Summer Camp, UW Front-End Technologies (FET) Community of Practice, July 8-August 26
- 2025 The 4th Annual Biological and Environmental Data Education (BEDE) Network Meeting, University of California, Santa Barbara, June 23-25, Santa Barbara
- 2024 Biological and Environmental Data Education (BEDE) Network Data Science Education Workshop, the University of Puget Sound, March 21-22, Tacoma
- 2020 QUBES- Project EDDIE Faculty Mentoring Network: Teaching Quantitative Reasoning and Scientific Concepts with Data
- 2018 ESRI User Conference and Education Summit, July 7-13, San Diego, California
- 2018 QUBES-SESYNC Faculty Mentoring Network: Investigating Socio-Environmental Issues with Data

International and Cross-Cultural Learning

- 2025 Collaborative Online International Learning (COIL) Virtual Submit, June 16-17, Pacific Northwest Center for Collaborative Online International Learning, Green River College, Washington
- 2024 Collaborative Online International Learning (COIL) Virtual Submit, April 18-19, U.S. Department of State, Green River College, Washington
- 2024 Partnership in an Unequal World, UW Office of Global Affairs Workshops, April 9, 26, May 14
- 2019 International Virtual Exchange Conference (IVEC), October 25-26, Tacoma, Washington

Pedagogy and Teaching and Learning

- 2026 Writing Better Assignments, Get Bett Writing: Strategies for Effective Writing Assignment Design, Writing@UW Workshop, February 25, University of Washington
- 2025 AI+Teaching: Using AI to Advance Learning, UW Center for Teaching and Learning, July 7-August 1
- 2016-22 Evidence-Based Teaching Program, University of Washington
- 2016 Teaching about Socio-Environmental Synthesis: Moving Towards Best Practices, National Socio-Environmental Synthesis Center (SESYNC), June 21-24, Annapolis, Maryland
- 2015 Large Class Collegium, Center for Teaching and Learning, University of Washington, August 26
- 2014 Teaching Socio-Environmental Synthesis with Case Studies, National Socio-Environmental Synthesis Center (SESYNC), July 15-18, Annapolis, Maryland
- 2014 Faculty Learning Communities, Center for Teaching and Learning, University of Washington
 - “Engaging Students in Large Classes: High-Tech and Low-Tech Strategies”
 - “Taking Inclusive Teaching Online: Pedagogical Practices for Online Environments”
 - “Take ACTION: Practicing Critical Pedagogies”
 - “Instructional Design”

Accessibility, Diversity, Equity, and Inclusion

- 2025 AccessADVANCE Capacity Building Institute: Challenges and solutions for creating systemic changes that support the recruitment and participation of faculty with disabilities in STEM careers, May 21-22, University of Washington
- 2025 UW Global Accessibility Awareness Day (GAAD), May 15, University of Washington
- 2025 UW College of Arts and Sciences Digital Accessibility Virtual Workshops, April 16, May 2, May 20, University of Washington
- 2025 Broadening Research & Instructional Designs for Greater Equity in STEM (BRIDGES) Conference, January 31 and February 1, Sloan Equity and Inclusion in STEM Introductory Courses

2024 Diversity, Access, and Inclusion in Study Abroad Workshop, UW Center for Global Affairs, February 9, Seattle

Sustainability and Environmental Education

2026 Ages of Globalization Program for Higher Education, Sustainable Development Solution Network & Columbia Climate School Center for Sustainable Development, February - April

2025 “Sustainability Community of Practice”, Sustainability Engagement Institute and Curriculum for the Bioregion, April 17, May 14, and June 3, Western Washington University

2018 NAAEE Higher Education Accreditation Workshop, North American Association of for Environmental Education Annual Conference, October 9-13, Spokane, Washington

Political Ecology, STS, and Conservation

2026 Workshop: Under-utilised Tools for Securing Pro-conservation Behaviours in a Disinterested Public, Vocal Earth Conservation Marketing & Society for Conservation Biology, April 19, Online

2025 Society + Technology at UW Inaugural Convening, January 10, University of Washington

2006 Political Ecology of Knowledge, Science and Technology: An Interdisciplinary Workshop, March 6-7, Madison, Wisconsin

2006 Ecological Restoration as Social Reconstruction, New England Workshop on Science and Social Change (NewSSC), April 19-23, Woods Hole, Massachusetts

TEACHING-RELATED CERTIFICATES & EXPERIENCES

2026 Teaching Toolkit in the Age of AI, National Center for Faculty Development and Diversity (NCFDD) Spring Course

2025 A I+ Teaching: Using AI to Advance Learning Certificate, Center for Teaching and Learning, University of Washington

2017 eLearning Design and Development Certificate, Renton Technical College

2017 Accessibility 101: The Basics of Inclusive Design, Washington State Board for Community and Technical Colleges

2016 An Introduction to Evidence-Based Undergraduate STEM Teaching, BUx – CIRTL (Center for Integrated Research Teaching and Learning)

2016 Advancing Learning Through Evidence-Based STEM Teaching, BUx – CIRTL (Center for Integrated Research Teaching and Learning)

2016 Independent Improving Your Online Course (IYOC), Quality Matters

2016 Desktop GIS, Continuing and Professional Education, Pace University

2015 Introduction to the Canvas Learning Management System for Faculty, Washington Online

2015 How to Use Open Educational Resources (OER), Washington Online

2014 Web Accessibility MOOC for Online Educators, Desire2Learn and Portland Community College

RESEARCH SKILLS

Qualitative Research and Analysis Skills

- Interviews, focus group discussions, participant observation
- Qualitative coding and analysis with NVivo and ATLAS.ti

Quantitative Research and Analysis Skills

- Sampling methods and statistical analysis
- Survey design and analysis
- Data visualization, Tableau

Geospatial Research and Analysis Skills

- ESRI ArcMap, ArcGIS Pro
- ERDAS IMAGINE, remote-sensing image processing

- Geovisualization
- Landscape metrics analysis
- Terrain analysis
- Suitability analysis
- Land use land cover change analysis

ACADEMIC SERVICES

UW Program on the Environment (PoE)

Rabinowitz Speaker Series Moderator
 PoE Curriculum Committee
 PoE Administrator Hiring Committee
 PoE Sustainability and Environmental Justice Minor Committee
 Session Coordinator, College of the Environment Future Student Visit Day
 PoE Capstone Symposium Judge
 PoE Capstone Faculty Advisor
 PoE Scholarship Reviewer

UW College of the Environment (CoE)

School of Marine and Environmental Affairs Environment and Society Faculty Hiring Committee
 CoE College Scholarship Committee
 CoE College Diversity Committee
 Event Staff, Future Student Visit Day, College of the Environment

University of Washington

UW Office of Sustainability:
 Husky Sustainability Awards Selection Committee
 Sustainability Academics, Research & Innovation Working Group
 UW Center for Teaching and Learning:
 Teaching and Learning Symposium Poster Competition Judge
 Coach, Evidence-based Teaching Program
 UW Office of Global Affairs:
 Review Committee, Excellence in Global Engagement Awards
 UW Office of Merit Scholarships, Fellowships & Awards:
 Tri-Campus UW Fulbright Campus Interview Committee
 UW DO-IT Program: Disabilities, Opportunities, Internetworking, and Technology
 Member, AccessADVANCE Community of Practice (NSF-funded), University of Washington
 Office of Student Life: Husky 100 Reviewer
 Office of Ceremonies: Commencement College Marshal
 Community Engagement & Leadership Education Center: Husky Leadership Certificate Mentor,
 UW Disability Staff and Faculty Association: Member
 The Whole U Ambassador

External Services

AP Environmental Science Exam Reader, US College Board
 Associate Editor, Journal of Environmental Studies and Sciences
 Publications Committee, Association for Environmental Studies and Sciences
 Editorial Board Member, Journal for Case Studies in the Environment
 Proposal Reviewer, Social Sciences and Humanities Research Council, Government of Canada
 Book Proposal Reviewer, Routledge Environment & Sustainability Division
 Conference Proposal Reviewer, Association for the Advancement of Sustainability in Higher Education (AASHE)
 Conference Proposal Reviewer, North American Association for Environmental Education (NAAEE)

CAPSTONE STUDENT MENTORING

*All at the Program on the Environment, University of Washington. * denotes winners of the Best Presentation Award, Husky 100 Recognition, or Honors Program*

- Spring 2014 Carter Case, Promoting Healthy Communities by Restoring Healthy Forests, *Friends of Lincoln Park*
- Autumn 2015 Ryan Cun, Analyzing Outdoor Environmental Education Programs, *InterIm Community Development Association WILD Program*
- Jinjiao Fei, How Community Garden Diversifies Food Choices and Improves Social Capital in Low-income Communities? *Seattle Department of Neighborhoods P-Patch Program*
- Robyn Kwon, Elucidating Racial and Gender Bias at Crosswalks in Seattle, *Seattle Neighborhood Greenways*
- Kasidit Nusitchaiyakan, The Importance of Infographic in Portraying Sustainability Information, *UW Sustainability Office*
- Spring 2016 *Gavin Jaravata, Mercy Me the Ecology: Bridging the Gap between GIS and the General Public, *Stillwaters Environmental Center*
- Shane Kelly, Experiential Outdoor Education and Improved Student-nature Connectedness: A Case Study (co-advise with Tim Billo), *UW Program on the Environment*
- Autumn 2016 *Jordan Hoy, Putting the Green in Greenways: How Green Stormwater Infrastructure Benefits Active Transportation Infrastructure, *Seattle Neighborhood Greenways*
- Jamie Kiesla, Curriculum Design Strategies to Facilitate Environmental Learning, *InterIm Community Development Association WILD Program*
- Diana Lloyd-Jones, From the Ground Up: Marketing and Corporate Sustainability (co-advise with Ned Schaumberg), *Red Bull Corporation*
- Andrew Tran, Reducing the Climate Impact of Professional Air Travel: Landing Alternative for University faculty & staff, *UW Sustainability Office*
- Spring 2017 Shelby Cramer, Our River, Our Resource: Community-centered Environmental Risk Communication, *US EPA*
- Michelle Suga, Evaluating Reusable Cup Program at Sports Stadium, *US EPA*
- Hannah Wright Osborn, Breaking Barriers: Young Women of Color in the Great Outdoors (co-advise with Kristi Straus), *Young Women Empowered*
- Autumn 2017 *Sydney Barnes-Grant, Optimization of Urban Waste Design, *US EPA*
- Brenda Nguyen, Transportation, Commuting and Sustainability, *UW Transportation Services Commute Options*
- Jennifer Huynh, Designing Towards a Sustainable Future: Colors that Affect Users' Experience, *UW Sustainability Office*
- Peiling Li, Water Remediation Challenges in China: Possible Solutions & Implication for Global Environmental Injustice, *Environmental Resources Management (ERM)*
- Daniel Salka, How Digital Data can Clean the Puget Sound, *Puget Soundkeeper*
- Spring 2018 Ziyi Liu, How Does Bike Infrastructure Affect Cycling Safety in the Chinatown-International District? *Seattle Neighborhood Greenways*
- Clyzzel Ann Samson, How Low-Income Food Bank Clients' Concern for the Environment and Food waste is Underestimated? *US EPA, Hopelink & Bellevue School District*
- Uyen Tran, Sustainable Finance and Investment in Higher Education Institutions: Reasoning and Best Practices, *UW Sustainability Office*

- Autumn 2018 Kyle Bosch, Incorporating Public Engagement in Urban Trail Design: South Beach Trail, *Discovery Park Advisory Council*
Zhaoyi Fang, Could EPA Grant Application Evaluation be More Consistent and Effective? *US EPA*
Minghao Gao, Evaluating the Effectiveness of Interpretive Signage within Discovery Park to Guide Future Education Outcomes, *Discovery Park Advisory Council*
Brooke Stroosma, Uncovering the Barriers to Proper Waste Disposal in Multifamily Homes, *Waste Management*
- Spring 2019 John Ericksen, The Keys to Improving Sustainable Choice Survey, *UW Sustainability Office*
Ankush Puri, Protect Your Pipes: Flush only Toilet Paper, *Cascadia Consulting Group*
May Xie, Improving Volunteer Retention Rates, *National Wildlife Federation*
- Autumn 2019 Li L. Tan, Addressing Environmental Justice Through Policy and Infrastructure Solutions for Safer Routes to School in Seattle, *Seattle Neighborhood Greenways*
- Spring 2020 Jessica Garcia, Engaging Communities Through Online Tools in Green Infrastructure, *Stewardship Partners*
- Spring 2021 Madelyn Chandler, Exploring the Use of Local Ecological Knowledge in Fisheries Management, *NOAA Alaska Fisheries Science Center*
Max Rodrigo, Accessibility to Environmentalism for BIPOC Youth in Seattle, *Friends of Lincoln Park*
- Autumn 2021 Divinity Dodge, Aquatic Communication in the Willamette River Basin: A Case Study of Federal Environmental Outreach, *NOAA Restoration Center*
- Winter 2022 *Claire Everett, Resource Management During Scarcity: A Case Study of Water Policy Implication in California Agriculture, *Political Science Honors Program*
- Spring 2022 Hannah Christofferson, Can Renewable Energy and the Fashion Industry Go Hand-in-Hand? *Experiences from Nordstrom, Nordstrom Inc*
Hanbo Sun, Volunteering and Forest Restoration in a Neighborhood Park Provide Positive Experiences and Wellbeing, *Friends of Lincoln Park*
Thomas Chang, Protecting Urban Forest: How Visitor Activities Harm a Park's Natural Spaces? *Friends of Lincoln Park*
- Summer 2022 Henry Li, Characterizing Alaska Saltwater Charter Fishing Businesses from Website Data, *NOAA Alaska Fisheries Science Center*
- Autumn 2022 Michael Qiu, Candidates for Future Sustainable Transportation, *Seattle Subway Foundation*
- Spring 2023 Alina Doan, New Wave of Gamification: Incorporating Gaming Elements to Address Best Community Engagement Practices at Work, *Port of Seattle*
Mia Lawson-Henze, Talk Dirt(y) to Me: A Down-to-Earth Analysis of Composting Programs in K-12 Schools, *Cedar Grove*
*Katelyn Saechao, How Altering Haul Durations Can Save Nontarget Species in Trawl Fisheries, *NOAA Marine Fisheries Service*
- Autumn 2023 Gracie Thomsen, Dry River, Wet Eyes: An Exploration of What Makes or Breaks Collaboration as a Tool for Environmental Practitioners, *King County Stormwater Services*
- Spring 2024 Kitto Davison-Kunhardt, Tracking the Eco-Pulse: The Links between Community Environmental Awareness and Light Rail Development, *Seattle Subway Foundation*
Jasmine Yu, Exploring the Gifts of Community Gardening: Environmentally, Economically, and Socially, *Weed Warriors*

- Autumn 2024 Monica Hniang Dawt Chin, Cultivating Well-being: The Transformative Impact of Community-Based Environmental Learning, *Human Centered Design & Engineering University of Washington*
- Spring 2025 Sarah Doolittle, The Hidden Health Risk Next Door: Tackling Urban Noise with Resonator-Enhanced Barriers, *Illimited Lab*
- Olivia Knutson, Strengthening Material Reuse in King County: Barriers, Solutions, and Circular Potential, *King County Sustainability Program*
- *Isabella Showman, Updating Wikipedia for Nuclear Energy in Taiwan, *Interdisciplinary Honors Ad Hoc Project (Atmospheric Sciences Major)*
- Autumn 2025 *Grace Cui, Broadening Participation in Green Stormwater Infrastructure: Customizing RainWise Outreach through Community Lifestyles, Cultures, and Interests, *Sustainable Ballard*
- Ariana Milo, Cultivating Belonging: Accessibility and Inclusion at the UW Farm, *UW Farm*
- Malia Page, Exploring Future Possibilities: Reusable Isolation Gowns at Harborview, *Harborview Medical Center*
- Gwen Schwek, Green, but Going Nowhere: Understanding and Addressing the Legal, Financial, and Digital Challenges Facing Sustainable Small businesses in Puget Sound, *UW Bothell and Cascadia College*
- Spring 2026 *Sonali Agarwal, Building Mutually Beneficial Partnerships Towards an Environmentally Sustainable and Age-Friendly World, *Age Friendly Seattle, City of Seattle*
- Chennareddy, Srihith, Ma, Andrew, and Weng, Y.-C. (2026) "CropViT: Climate-Aware Vision Transformer Model for Crop Yield Prediction", The 7th International Conference on Machine Learning and Human-Computer Interaction, Meiji University, Tokyo, Japan, March 17-19 (Nikola Tesla Stem High School Research Mentees)
- Chennareddy, Srihith, Ma, Andrew, and Weng, Y.-C. (2026) "CropViT: Climate-Aware Vision Transformer Model for Crop Yield Prediction", Japan Geoscience Union (JpGU)-American Geophysical Union (AGU) Joint Meeting, Chiba, Japan, May 24-29 (Nikola Tesla Stem High School Research Mentees)

PROFESSIONAL AFFILIATIONS

American Association of Geographers (AAG)
 Association for Environmental Studies and Sciences (AESS)
 Ecological Society of America (ESA)
 North American Association for Environmental Education (NAAEE)
 National Center for Faculty Development and Diversity (NCFDD)
 Society for Ecological Restoration International (SERI)
 Society for Social Studies of Science (4S)

JOURNAL, BOOK, GRANT, AND CONFERENCE PROPOSAL REVIEWER

Editorial Team Services

Associate Editor, Journal of Environmental Studies and Sciences
 Editorial Board, Journal for Case Studies in the Environment

Journals

Applied Geography
 Ecological Restoration
 Environment and Planning E: Nature and Space
 ICES Journal of Marine Science

International Journal of Applied Earth Observation and Geoinformation
International Journal of Geographical Information Science
Journal for Case Studies in the Environment
Journal of Geography and Regional Planning
Journal of Marine Science
Journal of Planning Education and Research
Land
Land Degradation & Development
Landscape Research
Remote Sensing
Resources
Social Sciences
Society and Natural Resources
Sustainability

Book Proposals

Routledge – Environment and Sustainability

Grant Proposals

Insight Grants, Social Sciences and Humanities Research Council, Government of Canada

Conference Proposals

The Association for the Advancement of Sustainability in Higher Education (AASHE) Conference Proposals
North American Association for Environmental Education Conference Proposals
International Virtual Exchange Conference Proposals