Candice Carr Kelman, Ph.D.

Arizona State University
Associate Clinical Professor · **School of Sustainability**
Co- Director · Collaborative Natural Resource Governance Lab
Actionable Science Program Lead · Center for Biodiversity Outcomes
Senior Global Futures Scholar · **Julie Ann Wrigley Global Futures Laboratory**
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Google Scholar
· candice.carr.kelman@asu.edu ·
https://orcid.org/0000-0002-0202-4722

Education

University of California, Irvine Department of Planning, Policy and Design	**Ph.D.** in **Environmental Policy** Dissertation: *Assessing Integrated Conservation and Development in Indonesia*	2010
University of California, Irvine School of Social Ecology	**M.A.** in **Social Ecology** Thesis: *A Sustainability Assessment of the University of California, Irvine*	2008
University of North Carolina, Asheville Department of Environmental Studies	**B.S.** in **Environmental Policy** Minors: ***Political Science*** *and* ***International Studies***	2004

Interests and Expertise

Collaborative governance of social-ecological systems; co-management; knowledge coproduction & exchange; knowledge-practice partnerships; actionable science; co-productive governance; biodiversity conservation and sustainable development; integrated conservation and development; adaptive collaborative natural resource management; community-based conservation; institutions to govern the commons; adaptive governance; forest management and rural livelihoods; environmental policy and politics; international development theory and practice; socially just biodiversity conservation; parks and peoples; sustainability science; conservation social science; environmental social science; social ecology; political ecology; sustainability leadership aptitudes and skills

Professional Experience

Associate Clinical Professor, School of Sustainability, ASU (100%) **May 2025 - Present**
70% Teaching, 30% Service

Asst. Research Professor, Ctr for Biodiversity Outcomes, ASU (50%) **Feb 2020 – May 2025**
Leading two consecutive NSF-funded research projects

Associate Center Director for Conservation Solutions
Actionable Science Program Leader and Co-Director, Conservation Solutions Lab

Assistant Clinical Professor, School of Sustainability, ASU (50%) Feb 2020 – May 2025
35% Teaching, 15% Service

Assistant Clinical Professor, School of Sustainability, ASU (100%) Aug 2019 - Feb 2020
70% Teaching, 30% Service

Assistant Director, School of Sustainability, Arizona State University June 2012 – Aug 2019
Academic program oversight and development · Faculty teaching assignments · Supervised Student Services office (staff of 12) and program managers · oversaw hiring and management of all faculty associates, adjunct professors, and staff

Instructor, University of California, Irvine Jan 2010 – May 2012
Intro to Corporate Social Responsibility, Sustainability & Green Business

Research Associate at Mathis Consulting Company, North Carolina May 2010 – May 2012
Coauthored reports on utility policy, energy efficiency, and state building codes

Adjunct Professor at Warren Wilson College, North Carolina Aug 2011 – Dec 2011
Environmental Politics and Political Theory

Teaching Assistant, **University of California**, Irvine Sept 2004 - Jun 2009
Sustainability I; Sustainability II; International Environmental Law; Global Health

PUBLICATIONS (with *student or ^post-doc at time of writing)

Peer-reviewed Articles

Srinivasan, J.^, J. Baggio, **C. Carr Kelman**, K. Jones, M. Morgan, and M. Schoon. (2026). The landscape of trust diversity in wildfire collaboratives and impacts on environmental, social and process outcomes. *Policy Sciences* https://doi.org/10.1007/s11077-026-09623-x

Carr Kelman, C., J. Srinivasan^, T. Lorenzo Bajaj^, A.B. Raschke, R. Nana Brown-Wood*, E. Kellner^, M. Ahn^, R.W. Kariuki^, M. Simeone and M. Schoon. (2024). Convergence research as transdisciplinary knowledge coproduction within cases of effective collaborative governance of social-ecological systems. *Ecology & Society* 29(4): 23 https://doi.org/10.5751/ES-15534-290423

Lhoest, S., **C. Carr Kelman,** C.J. Barton^, J.A. Beaudette*, L.R. Gerber. (2024) The impact factor of engaged research: Metrics for conservation outcomes. *Biological Conservation* 292: 110534 https://doi.org/10.1016/j.biocon.2024.110534

Carr Kelman, C., U. Brady^, B.A. Raschke^ & M.L. Schoon. (2023). A Systematic Review of Key Factors of Effective Collaborative Governance of Social-Ecological

Systems. *Society & Natural Resources* 36(11): 1452-1470. 10.1080/08941920.2023.2228234

Raschke, B.A.^, J. Cockburn, P. Cisneros, A. Ocampo-Melgar, M.L. Schoon, **C. Carr Kelman**, J. Srinivasan^. (2023). Learning from sticky variables in cross-case analyses of collaboration in social-ecological systems. *Ecosystems and People,* 19:1. 10.1080/26395916.2023.2187639

Carr Kelman, C., C. Barton*, K. Whitman, S. Lhoest^, D. Andersen, L. Gerber. (2022). Five approaches to producing actionable science in conservation. *Conservation Biology* 37(2): e14039 https://doi.org/10.1111/cobi.14039

Schoon, M., Chapman, M., Loos, J., Ifejika Speranza, C., **Carr Kelman, C.,** Aburto, J., Alexander, S., Baggio, J., Brady, U.^, Cockburn, J.^, Cundill, G., Garcia Lopez, G., Hill, R., Robinson, C., Thondhlana, G., Trimble, M., & Whittaker, D*. (2021). On the frontiers of collaboration and conflict: how context influences the success of collaboration, *Ecosystems and People*, 17:1, 383-399. https://doi.org/10.1080/26395916.2021.1946593

Kelman, C.C. (2013). Governance lessons from Integrated Conservation and Development Projects in two Indonesian National Parks. *Conservation & Society* 11(3): 247-263. DOI: 10.4103/0972-4923.121028

Book Chapters

Barton, C. J.*, Anderson, D. M., Gerber, L. R., **Carr Kelman, C.**, & Arízaga, M*. (2024). A Scorecard for Designing and Evaluating University Partnerships. In N. O'Regan (Ed.), *From Purpose to Impact: The University and Business Partnership* (1st ed., pp. 238–264). Routledge.

Carr Kelman, C. (2022). Accountable environmental outcomes: Bridging disciplinary traditions on collaborative governance, coproduction, and comanagement for organizing just and effective sustainability transformations. In: Edmondson, B. (ed.) *Sustainability transformations, social transitions and environmental accountabilities*. Palgrave Studies in Environmental Transformation, Transition and Accountability. Springer Nature. https://doi.org/10.1007/978-3-031-18268-6_8

Carr Kelman, C. (2020). Wilderness Conservation Around the World, in *Environmental Issues Today: Choices and Challenges*. ABC –CLIO.

Karlin, B.^, **C. Carr Kelman**, K.A. Goodrich*, & V. Lowerson Bredow^. (2016). The Role of the University: Engaged Scholarship in the Anthropocene. Ch. 7 in Matthew, R.A., K.A. Goodrich, C. Harron, B. Maharramli & E. Nizkorodov (Eds.) *The Social Ecology of the Anthropocene: Continuity and Change in Global Environmental Politics*, pp. 143-172. World Scientific Publishing: Hackensack, NJ.

Other Publications

Carr Kelman, C., S. Lhoest, C. J. Barton^, J. Beaudette* and L. R. Gerber. (2024). Universities must do more to help researchers help society. Research Professional News: https://www.researchprofessionalnews.com/rr-news-europe-views-of-europe-2024-7-universities-must-do-more-to-help-researchers-help-society/

Lhoest, S., **C. Carr Kelman**, C. J. Barton, J. Beaudette* and L. R. Gerber. (2024). Reforming academia to maximise conservation impacts. https://www.currentconservation.org/reforming-academia-to-maximise-conservation-impacts/

Brown, M.I.; B. Allgood; J. Waugh; R. Martino; S. Cheng; **C.C. Kelman**; & A.L. Porzecanski. (2020). Communities, conservation, and development in the age of COVID: Time for rethinking approaches. *Mongabay.com*

Brown, M., S. Cheng, J. Tolisano and the **Conservation Solutions Lab network**. (2019). Rethinking the role of communities in nature conservation: from threat to solution. *Mongabay.com*

Working Papers

Schoon, M., **C. Carr Kelman,** U. Brady*, J. Baggio., J. Lee, C. Rojas*, J. Srinivasan*, S. Vallury* (2024). *Coding Manual for Assessing Collaborative Natural Resource Management Projects, V12.* Collaborative Governance Lab.

Schoon, M., **C. Carr Kelman,** U. Brady*, J. Baggio., J. Lee, C. Rojas*, J. Srinivasan*, S. Vallury* (2019). *Coding Manual for Assessing Collaborative Natural Resource Management Projects, V10*. Center for Behavior, Institutions and the Environment Working Paper Series.

Carr Kelman, C., U. Brady*, M. Schoon. J. Baggio., J. Lee, C. Rojas*, J. Srinivasan*, & S. Vallury* (2018). *Practitioner Brief on Factors for Effective Environmental Management Collaboration.* Center for Behavior, Institutions and the Environment Working Paper Series. #CBIE-2018-003

Manuscripts currently under review

Snyder, R*; Barton, C. J. ^; Sangolqui, P*; **Carr Kelman, C**; Anderson, D. M.; Gerber, L. R. "A Scorecard Approach to Assessing Knowledge-action Partnerships in Conservation" *Conservation Science and Practice* (under review)

Snyder, R.*, Priebe, J.*, **Carr Kelman, C.,** Christian, L.*, Barton, C. J., Cataño Mata, J.*, Sangolqui, P.*, Gerber, L.R. "Advancing biodiversity conservation knowledge exchange and co-production of outcomes through Knowledge Action Partnerships" *Conservation Biology* (under review)

Baggio, J., Schoon, M., **Carr Kelman, C.**, E. Castille*, T. Lorenzo*, K. Goddard*, Loos, J.; Paillot, C.*, Crippen, A.*, Lee, J.; Srinivasan, J.*; Raschke, A.B.^; Rojas, C.^, & S. Vallury. "From Qualitative to Quantitative Analysis: Lessons on Collaborative Governance" *Regional Environmental Change* (under review)

Walker, M.; **Carr Kelman, C.**; Rowell, K.; Jordan, R.; Ferraro, C.; Weller, A.R.; Cockrell, D.; Robbins Thompson, K.T.; Rice, E.; Silka, L.; Williams, K.M.; Gill, A.S. "The Network Is the Curriculum: Cross-Institutional Communities of Practice as a Pathway to Transformative Change in Graduate Sustainability Leadership Education" *Sustainability Science* (under review)

Manuscripts currently in Progress

Carr Kelman, C.; Barton, C. J.; Cataño Mata, J.*; Snyder, R.*, Priebe, J.*, Tretheway, L.*; Yurong, M.*; Gerber, L.R. (in preparation). Actionable Science at the Boundary: The promise of Knowledge Action Partnerships. *Nature Sustainability.*

Cataño Mata, J.*; Barton, C. J.; **Carr Kelman, C**.; Tretheway, L.*; Gerber, L. R. (in preparation). Anecdote, myth and science: the use of tacit vs. expert knowledge in conservation. *Conservation Letters.*

Carr Kelman, **C**., Barton, C. J.; Cataño Mata, J.*; Tretheway, L*; Priebe*, J.; Cataño Mata*, R. Snyder*, Sangolqui, P.*, Gerber, L. R. (in preparation). The demand for practice-based evidence in conservation: How natural resource managers access and use science and other forms of knowledge.

Brown-Wood, R.*, L. Cruz*, O. Carlos* **C. Carr Kelman,** M. Ahn^, J. Beaudette^, F. Parakami*, A. Datta^, C. Rojas, R. Kariuki, D. Simmons*, and M. Schoon. (in preparation) Biocultural Conservation and the Commons: Exploring the Synergies and tensions. *Ecology and Society.*

Carr Kelman, C.; Barton, C. J.; Cataño Mata, J.*, Snyder, R.*, Tretheway, L.*; Gerber, L.R. (in preparation). Barriers to and Strategies for Creating Actionable Knowledge in Conservation. *Conservation Biology.*

Reports co-Authored

Carr Kelman, C; Alshathry, T.* Barton, C. J.; Cataño Mata, J.; Tretheway, L; Gerber, L. R. "Knowledge needs of Conservation International staff" (2025). Report prepared for Conservation International as part of the results of the SOS-DCI grant funded by the National Science Foundation 2021-2025

"Sustainability Institute at Lagos: Feasibility Study" Report Prepared for the Kuramo Conference by Walton Sustainability Solutions Service, Arizona State University, May 2014

*"*Electricity, Efficiency and Buildings: Critical Linkages for Planning North Carolina's Energy Future*"* Report prepared for NC State Energy Office by Mathis Consulting Company, Asheville, NC, July 2011.

"North Carolina's Energy Future: Recommendations for Policy Makers" Report prepared for the North Carolina State Energy Office by Mathis Consulting Company, Asheville, NC, July 2011.

"Understanding the South Carolina Energy Code Adoption Process" Report prepared for SC State Energy Office by Mathis Consulting Company, Asheville, NC, June 2011.

"South Carolina Energy Outlook: Electricity and Buildings" Report prepared for SC State Energy Office by Mathis Consulting Company, Asheville, NC, July 2011.

Book Reviews

Carr Kelman, C. 2011. Global governance and the environment: environmental principles and change in international law and politics by Afshin Akhtarkhavari. *International Environmental Agreements: Politics, Law and Economics* 11(4): 379-380

Carr Kelman, C. 2009. Environmental Law in Development: Lessons from the Indonesian Experience. Edited by Michael Faure and Nicole Niessen. *International Environmental Agreements: Politics, Law and Economics* 9 (1): 89-93

Peer Reviewer for:

- *Sustainability Science*
- *Sustainability: Science, Practice and Policy*
- *Ecology and Society*
- *Discover Sustainability Springer Nature*
- *Journal of Environment & Development*
- *Conservation Science and Practice*
- *International Journal of the Commons*
- *European Journal of Sustainable Development Research*
- *Journal of Environmental Studies and Sciences*
- *Conservation and Society*
- *Forest Policy and Economics*
- *Restoration Ecology*
- *Global Policy*
- *Society and Natural Resources*
- *Sustainability*
- *Change and Adaptation in Socio-Ecological Systems*
- *World Futures*

Grants

2021-2025 Co-investigator, NSF Science of Science, Discovery, Communication, and Impact **(**Award #2122157**). Demand-driven science: the role of knowledge partnerships in improving the public value of conservation science** ($616,784)

2017-2021 Co-investigator, NSF Science of Science and Innovation Policy (Award #1661406) **The behavioral and institutional determinants of public value knowledge outcomes in conservation science.** ($291,520)

2014-2019 Co-Investigator, **USAID Global Development Lab Research and Innovation Fellowship** at Arizona State University ($1.9 million)

2016 Co-Investigator, **Ray C. Anderson Foundation Grant: Creating a Circular Economy Curriculum** ($50,000)

2014-2015 Principal Investigator, **Ray C. Anderson Foundation Grant**: **Sustainability and Innovation Space** (New Product Development) at Arizona State University ($60,000)

2009-2010 **Center for Unconventional Security Affairs**, UC Irvine: "Sustainable Human Development in Indonesian National Parks" ($20,000)

Summer Research Stipends and Travel Funding Grants Department of Planning, Policy and Design, UC Irvine, 2009, 2008, 2007, 2006 and 2005 ($5,000 each)

2006-7 **Center for Global Peace and Conflict Studies**, UC Irvine: "Integrated Conservation and Development Projects in Indonesia: A Critical Review of the Literature and Analysis of Historical and Ecological Context" ($2,000)

Teaching Experience

Arizona State University School of Sustainability:

SOS 321: **Policy and Governance for Sustainability** (25-75 students)
In person course: 2026, 2025, 2024, 2022, 2021, 2020, 2013
Online course: 2025, 2026 (built online course summer 2025)

SOS 110: **Building a Sustainable World** (50-100 students)
In-person course: Fall 2026
Online course: Spring 2025

SOS 100: **Introduction to Sustainability** (100-200 students)
Online course: Fall 2025

SOS 394: **Global Governance for Sustainable Development** (20-40 students)
In person course: Spring 2026

SOS 322: **International Development and Sustainability** (15-40 students)
In person course: Fall 2023, 2022, 2021, 2020, 2019

SOS 511: **Advanced Sustainability Problem Solving** (30-50 students)
In person graduate course: 2026, 2025, 2024, 2023, 2022, 2021

SOS 593: **Applied Capstone Master's Projects** (30-50 students)

In person graduate course: Spring 2026, 2025, 2024, 2023, 2022, 2021

SOS/BIO 498/594: **Conservation and Development in Peru** (~20 students)
Online Graduate and undergraduate online workshop: Fall 2020 (developed in partnership with Conservation International Peru)

SOS 591: **Biodiversity Conservation and Collaborative Management** (~10 students)
In person graduate course: Spring 2019, 2016

SOS 598: **Biodiversity Conservation and Sustainable Livelihoods: Synergies and Tradeoffs** *Graduate course*: Spring 2015 (12 students), Spring 2014 (10 students)

Warren Wilson College:
ENS 245: **Environmental Politics and Political Theory**
Undergraduate course: Fall 2011 (17 students)

University of California, Irvine:
X430.12 I**ntroduction to Corporate Social Responsibility, Sustainability and Green Business** *Ten-week online course for professionals:* Spring 2012, Winter 2012, Fall 2011, special Summer 2011 course for Boeing employees, Spring 2011, Winter 2011, Fall 2010, Spring 2010 (approximately 20 students in each course)

Students mentored in 2026

Undergraduate Honors thesis advisor (Barrett, the Honors College at ASU):
Millicent Yurong – SOS Curriculum skills review
Madeline Pennell – Nature-based solutions to prevent disaster floods in the USA
Kassidy Snow – Municipal policy and recycling in the Phoenix Metro area

Sustainability Undergraduate Research Experience (SURE) students, 2026:

Collaborative Governance Lab database review and variable dichotomization
Max Dolberg, BA School of Sustainability
Kaya Steffen, BS School of Sustainability

Past Students Mentored

Undergraduate Honors thesis advisor (Barrett, the Honors College at ASU):
Lillian Tretheway, School of Complex Adaptive Systems BS (thesis defense Spring 2025)
Quantitative analysis of qualitative data from interviews with conservation practitioners about how they use science and other forms of knowledge
Grace Reed, BS Chemical Engineering (Passed thesis defense Spring 2025)
Agrivoltaics: The Future of Farming in Arizona?
Meaghan Donehoo, BA Sustainability. Passed thesis defense April 2023
Knowledge needs of biodiversity conservation practitioners in the Galapagos
Jackie Ayers, BA Sustainability. Passed thesis defense April 2023
Sustainability and the fashion industry in Southeast Asia: Policy approaches
Jessica Sims, BS in Political Science, Minor in Sustainability. Thesis defense April 2022
Political instability and Renewable Energy Sources in Central Asia

Kevin Goddard, BS in Sustainability. Passed thesis defense May 2020
Collaborative governance of natural resources in AZ: 4FRI case study
Anisa Abdul-Quadir, BS in Sustainability. Passed thesis defense May 2017
A circular economy approach to recycling asphalt for roads in Phoenix

Undergraduate Honors thesis second reader

Zachary Whaley, Conservation Biology. Thesis defense March 2024.
Honors Thesis Topic: *Ecological Differences in Co-managed Coral Reefs?*
Adviser: Dr. Katie Cramer, School for Ocean Futures and Conservation Intntl.
Dayanara Avilez, BA Sustainability. Thesis defense April 2023
Honors Thesis Topic: *Effectively Conveying Wildlife Management Issues via State Wildlife Agencies in the U.S.* Adviser: Kelli Larson
Noah Taetle, BS in Sustainability. Thesis defense April 2022 Adviser: Mike Schoon
Transboundary Conservation Efforts in the United States: A Comparative Study Between Glacier National Park and Organ Pipe Cactus National Monument

Sustainability Undergraduate Research Experience (SURE) students, 2025:
NSF-funded Actionable Science project
Helping code interview transcripts, learning qualitative research methods
Jasmine Catano Mata, BA School of Sustainability
Millicent Yurong, BA School of Sustainability
Jacob Brodkin, BS School of Sustainability
Laura Niemeyer, BS Natural Resource Management and Conservation

Collaborative Governance Lab Coding manual survey revisions and database review
Alondra Ruiz, BA School of Sustainability
Alex Walker, BS School of Sustainability

Sustainability Undergraduate Research Experience (SURE) program prior students:
SOS-DCI NSF Grant project on demand-driven science - undergraduate research assistants
Helped code interview transcripts, learned qualitative research methods
Jasmine Catano Mata, BA School of Sustainability (2024-2025)
Joyce Priebe, BS School of Sustainability (2024-2025)
Lauren Christian, BS School of Sustainability (2024)
Lillian Tretheway, BS School of Complex Adaptive Systems (2024-2025)
Grace Quinn, BA Sustainability (2023)
Chelsea Gravunder, BS Sustainability (2023)
Sakura Sinroll, BS Conservation Biology (2023)
Collaborative Governance Lab – undergraduate research assistants
Coding manual survey revisions and database review
Simone Verghese, BS Sustainability (2024)
Elisa Mangia, BA Sustainability (online student in UK) (2024)
Helped Collab Lab digitize our coding manual into a survey; organize database in Airtable:
Billy Thoi, BS Sustainability (2023)
Camden Paillot, BS Sustainability (2020)
Interns in collab-lab mentored (with Michael Schoon):
2021: Brittany Miller-Owens, Dyandra Jackson-Labrie, Mixen Rubio-Raffin
2020: Gabrielle Beasley-Gonzales, Taylor Bluebaugh, Shelby Pittman

Committee Member on past PhD Committees:
Jessica Beaudette, Ph.D. School of Historical, Philosophical, and Religious Studies, 2025

Decolonial Biodiversity Conservation

Christopher Rojas, Ph.D, Biology and Society, School of Life Sciences, 2019:
Principle, process, and pragmatism: A study of philosophical methodology in environmental decision making

Gautam Prateek Choubey, PhD in Community Resources and Development, 2017:
Gender & leadership in the van panchayat system of forest management in India

Master's Thesis Co-Chair:

Leigh-Ann Tower, MA in Sustainability, 2017:
Use of drones in rhinoceros conservation in South Africa

Master of Sustainability Solutions (MSUS) Leadership team capstone projects advised:

2026

Legends Global at State Farm Stadium – Green Game Guide and Sustainability Engagement Plan
City of Casa Grande – Water conservation report
Netherlands Business Support Office – Climate Tech Ecosystem in Arizona
National Wildlife Federation – Advancing and coordinating State action on Wildlife Action Plans
Andersen Windows - Strategic Evaluation of Sustainability Certifications

2025

City of Chandler – Redesign of Chuparosa Park
City of Tempe – Food Systems Action Plan
Cafetal Café – Recycling and Waste Diversion Action Plan
ABM – Electric vehicle charging infrastructure on campuses
Blue Planet – Carbon storage options for Tempe
Walter Studios – Implementation Plan for Reusable Cups

2024

Birla Carbon – Decarbonizing the carbon black industry
Fairmont Scottsdale Princess - Sustainable Food Waste Management
Leukemia and Lymphoma Society – Greening Events Guide
Unlimited Potential - Creating Green Workforce Career Pathways
School of Sustainability – Student Recruitment and Communications Plan

2023

Tarbell's – Sustainability Plan
Gannett Fleming – Emissions Calculations and Landlord Engagement Program Plan
Borderlands Restoration Network – Curriculum
ASU Foundation – GHG Accounting, Net-Zero Endowment strategies and ESG Scorecard
Leukemia and Lymphoma Society's Light The Night Events - Materiality Assessment, Action Plan
Pitchspoon Food Pantry – Sustainability Assessment
Aramark – Expanding Plant-based options at ASU

2022

ASU Zero Waste Office - Reducing Single-Use Plastics at ASU
City of Phoenix – Equitable EV infrastructure
City of Tempe – "Cool Kids" Climate Action

Conference Presentations

Anecdote, myth and science: the use of tacit and expert knowledges in conservation
AAAS collaborative Presentation with Jasmine Cataño Mata*, and Christopher J. Barton. Feb 2026, Phoenix, AZ

Workshop: Effective Policy Brief Design
ANGLES Sustainability Leadership for Graduate Students Workshop, Denver, CO Oct 28, 2025

Conservation practitioners' use of and access to various forms of knowledge
Social Science Working Group for the Society of Conservation Biology, November 2024

Workshop: What type of actionable researcher are you?
ANGLES Sustainability Leadership for Graduate Students Workshop, Denver, CO Oct 22, 2024

A Network for Graduate Leadership in Sustainability (ANGLES)
National Sustainability Society, University of Washington, Seattle - Sept 9, 2024

Engaged Scholarship and Sustainability Leadership for Graduate Students: Beyond the Academy and the ANGLES Network
American Association for the Advancement of Science 2024 Denver, CO

Biodiversity 101: Dependencies, Impacts and Opportunities
Greenfin: Sustainable Finance and Investing, Greenbiz, Boston, MA June 26-28, 2023

Lessons on Collaborative Governance: From qualitative to quantitative analysis
Pathways: Human Dimensions of Wildlife Conference Fort Collins, CO, June 1-3, 2023

Levels of Engagement: Approaches to producing actionable conservation science
Integrative Conservation Conference, UGA, March 2022

Coding Collaborative Governance: A rapid case-coding approach
American Association of Geographers, virtual conference, April 2021

Kalimantan Timur: Squatters, endangered species and a new capital city for Indonesia
American Association of Geographers, virtual conference, April 2020

Key criteria for successful collaborative management of natural resources
Sustainable Development Conference, SEAS, Ann Arbor, MI, Oct. 2019

Collaboration as collective action: forest restoration projects in Arizona
Resilience Conference, Stockholm Resilience Center, Stockholm, Sweden, 2017

Collaboration as Collective Action: AZ Forest restoration and collaborative governance
Association for Environmental Studies & Sciences, American University, Washington D.C., 2016

Boundary Organizations at Arizona State University: Theory in Practice
Association for Environmental Studies and Sciences, UCSD, San Diego, 2015

'Solutions Learning' at Arizona State University's School of Sustainability
Association for the Advancement of Sustainability in Higher Education, Portland, OR, 2014

Environmental discourses of emergency and salvation: Tradeoffs between renewable energy and electronic waste?
International Studies Association, San Francisco, California, April 2013

Roundtable on Sustainability Education, co-hosted with Georgetown Climate Law Center
GreenGov, Washington, DC, Sept. 26, 2012

Misadventures in Conservation and Development in the Indonesian Rainforest
International Studies Association, San Diego, California, April 1-4, 2012

Lessons from Integrated Conservation and Development Projects in Indonesia
International Studies Association South, Elon, NC, October 14-15, 2011

Integrated Conservation and Development: Seeking Sustainability in the Indonesian Rainforest
International Studies Association, Montréal, Québec, Canada March 16-19, 2011

Integrated Conservation and Development in Indonesian National Parks
Center for Global Peace and Conflict Studies Research Panel, UC Irvine, February 25, 2009

Integrated Conservation and Development in Four Indonesian National Parks
Greening XVIII Conference, California State University, Northridge, April 18, 2009

Progress towards Sustainability at the University of California at Irvine
Association for the Advancement of Sustainability in Higher Education, Raleigh, NC, Nov. 2008

Can Rural Human Development Projects Contribute to Conservation of Biodiversity in Protected Areas? An Assessment of Integrated Conservation and Development in Indonesia
International Studies Association 49th Annual Convention, San Francisco March 26-29, 2008

Conservation and Development in the Rainforests of Indonesia
Greening XVII Conference, California State Polytechnic University, Pomona, January 26, 2008

Indigenous cultures, ethnicity, and development in Malaysia's dwindling rainforests
Southeast Asian Summer Studies Institute Conference, Madison, Wisconsin, July 28, 2007

Higher Education and E-waste
California Higher Education Sustainability Conference, Santa Barbara, June 24-27, 2007

UC Irvine and Sustainability: Benchmarking and Indicators
California Higher Education Sustainability Conference, Santa Barbara, June 24-27 2007

Biodiversity Conservation in Indonesia: Comparing Integrated Conservation and Development Projects (ICDPs) with Landscape Conservation Projects
Greening XVI Conference, Harvey Mudd College, Claremont Colleges, CA, April 21, 2007

Integrated Conservation and Development Projects in Indonesia: A Critical Review of the Literature and Analysis of Historical and Ecological Context

Center for Global Peace and Conflict Studies Conference, UCI, February 16, 2007

Electronic Waste and Higher Education, co-presented with Maureen Cane of Silicon Valley Toxics Coalition, Association for the Advancement of Sustainability in Higher Education (AASHE), first bi-annual conference, Arizona State University, Tempe, AZ, Oct 4-6, 2006

Environmental Justice and Development Issues in Malaysian Borneo
International Studies Association West, Las Vegas, NV, Oct. 2006

World Bank loan proposal for Sustainable Infrastructure Development in Rural Chile
Southern Regional Model United Nations, Atlanta, GA, 2004

Events Organized

SocSES Launch Events: Collaborative Governance Thematic Stream, and North American Hub of the Society for Social-Ecological Systems

ANGLES workshops in Denver, CO: Oct, 2025 and Oct, 2024
Trainings for graduate students and professors on teaching sustainability aptitudes and skills

Panel: Factors of Success for Collaborative Conservation
Western Collaborative Conservation Network Confluence, April 2024: Tucson AZ

Roundtable Discussion/Workshop: Collaborative Conservation & Knowledge Exchange in the American West (Organized and hosted with Western Collaborative Conservation Network)
Pathways 2023: Human Dimensions of Wildlife Conference, June 1-3, 2023 Fort Collins CO

Conservation Solutions Lab Knowledge Exchange: Indigenous Rights, Indigenous Knowledge, and Co-management (March 2022) Featuring speakers from the Lakota Sioux (Rosebud), the Ulithian people of Yap (Micronesia), Bonobo Peace Forest (Democratic Republic of Congo), and the government of Colombia.

Conservation Solutions Lab Members Meeting: Collaborative Governance and Co-Management Best Practices (May 2021) Featuring speakers from the American Museum of Natural History, DAI, ASU, UN Office on Drugs and Crime, International Institute for Environment and Development, and One People One Reef (Micronesia).

Invited talks

Successful forest co-management in Indonesia: The case of Kayan Mentarang National Park
Society for Social-Ecological Systems Working Group on Collaborative Governance (August 2026)

Biodiversity Conservation and Sustainable Development in the Indonesian Rainforest
Department of Geography, University of North Carolina, Charlotte (January 2026)

Business and Sustainability: Reporting Frameworks
Sustainable Business Student Association, Arizona State University (November 2025)

Conservation Practitioners use of science and other forms of knowledge
Center for Behavior, Institutions and the Environment (CBIE), ASU (November 2025)

Collaborative Natural Resource Governance
Department of Environment and Society, Utah State University, Logan, Utah (Jan 2025)

The Impact Factor of Engaged Scholarship
Center for Behavior, Institutions and the Environment (CBIE), ASU (Feb 2024)

Palm Oil and Critically Endangered Orangutans - Documentary Panel (Jan 2024)
https://www.learning-planet.org/event/palm-oil-and-critically-endangered-orangutans-panel/

Biodiversity conservation and sustainable development
Humboldt Universität Berlin, Germany (May 2023)

Five approaches to engaged scholarship and actionable science
Conservation Innovations Lab, School of Life Sciences, ASU (October 2022)

The Conservation Solutions Lab
School of Sustainability Speaker Series, ASU (Feb 2020)

Key criteria for successful collaborative management of natural resources
Center for Behavior, Institutions and the Environment (CBIE), ASU (Oct 2019)

Sustainability Programs and Curricula at ASU
Symposium on Interdisciplinary Sustainability Education, Purdue University (March 2016)

Sustainability Curricula at ASU
Learning Community on Sustainability, California State University Long Beach (April 2014)

Misadventures in Conservation and Development
Sustainability Series, Global Institute of Sustainability, Arizona State University (Oct. 2012)

Three Reasons Why (and How) Sustainability is Different from Greening
US Green Building Council Webinar (attendance 300+) (Dec. 2010)

Guest Lectures

People and Parks: Conservation and Collaboration – Guest lecture, SOS 525: Social, Ecological and Technical Systems, Prof. Schoon, ASU (2025, 2024, 2023)

Palm oil and biodiversity impacts and responses in Indonesia - Guest lecture in SOS 117 Food Systems Sustainability, Arizona State University (Dr. Robinson) – Fall 2018, 2017, 2016

The challenge of biodiversity conservation in two Sumatran national parks - Guest lecture in Southeast Asian Societies course at Warren Wilson College (Prof. Kusujiarti) Fall 2011

The Global Trade in E-Waste: Impacts and Policies - Guest lectures in Sustainability, Development and Poverty at UNC Asheville (Prof. Eggers) Fall 2011, Fall 2010

Integrated Conservation and Development Projects in Indonesian National Parks - Guest lecture in Environmental Politics at UNC Asheville (Prof. Cornett) Spring 2011

History and structure of the Indonesian language - Guest lecture in Linguistics course at UNC Asheville (Prof. Downes) Spring 2010

International Law and the Global Trade in Electronic Waste - Guest lecture in International Law and Conflict course, UC Irvine (Dr. Smith) Spring 2008

Integrating Biodiversity Conservation and International Development - guest lecture in Sustainability I (Prof. Feldman) Winter 2009

Conservation and Development in the Rainforests of Indonesia – guest lecture in Sustainability II (Prof. Matthew) Spring 2008

Sustainable Development Case Studies - guest lecture in Sustainability I (Prof. Matthew) Winter 2008

Fellowships

2008 School of **Social Ecology Dean's Fall Dissertation Writing Fellowship**, UCI

2007 School of **Social Ecology Dean's Summer Dissertation Data Gathering Fellowship,** UCI

2007 Summer **Foreign Language and Area Studies (FLAS) Fellowship** for the study of Indonesian language at **Southeast Asian Summer Studies Institute (SEASSI) 2007** at the **University of Wisconsin-Madison**, including SEASSI tuition, living stipend and travel funding.

Honors and Awards

2008 **Outstanding Student Mentorship Award**, Department of Planning, Policy and Design

2004 inducted into **Pi Sigma Alpha, the National Political Science Honors Society**

2000 **Outstanding Leadership of a Student Organization**, University of North Carolina at Asheville, Award from Dept. of Student Affairs

2000 **Student Organization of the year: Active Students for a Healthy Environment (ASHE)** University of North Carolina at Asheville, Dept. of Student Affairs Award

Service and Other Experience

Founding member of Society for Social-Ecological Systems (2025-present)

Launch Committee, North American Hub, Society for Social-Ecological Systems (2025)

Launch Committee, Collaborative Governance Thematic Stream, Society for Social-Ecological Systems (2025)

Faculty Adviser, Environment Arizona Club, Arizona State University (2025-present)

Faculty Adviser, Honors Society for Sustainability, Arizona State University (2025-present)

Student Undergraduate Research Experience Program Committee, School of Sustainability (2025-present)

Collaborative governance and management working group, Programme on Ecosystem Change and Society https://pecs-science.org/collaborative-governance-and-management/ (2018 – 2024)

UNESCO Inclusive Policy Lab http://en.unesco.org/inclusivepolicylab/ (2023-present)

ASU rep. to ANGLES Network for Graduate Leadership in Sustainability (2019 – present)

Chair, CGF Academic Standards Committee, College of Global Futures, ASU (2021 – 2024)

Professional master's degree programs committee, School of Sustainability (2020-present)

Curriculum Committee, College of Global Futures, ASU (2024 – 2025)

Yoga instructor, community yoga class @ College of Global Futures (2018 - 2025)

University Undergraduate Standards Committee, ASU (2021- 2022)

Associate Director for Conservation Solutions, Center for Biodiversity Outcomes (2019 - 2021)

Co-Director, Conservation Solutions Lab, Center for Biodiversity Outcomes (2019 – present)

School of Sustainability & College of Global Futures Academic Integrity Officer (2019 – 2023)

International Assoc. for the Study of the Commons - conference planning committee (2020-21)

School of Sustainability Undergraduate Committee (2019-20)

ASU Center for Biodiversity Outcomes representative to IUCN US National Committee meeting, Washington, DC (June 2019)

ASU Wrigley Institute Voting Rep., IUCN World Conservation Congress (Honolulu 2016)

Affiliated Faculty, Center for Behavior, Institutions and the Environment (2018 – present)

ASU Center for Biodiversity Outcomes voting representative to IUCN (2015 – present)

Affiliated Faculty, Lincoln Center for Applied Ethics, ASU (2016-present)

Affiliated Faculty, Center for Biodiversity Outcomes (2016 – present)

SOS representative to the Biomimicry Education Advisory Council (2016 - present)

School of Sustainability Master of Sustainability Solutions Committee (2014 – 2016; 2020)

School of Sustainability Faculty Personnel Committee (2014 – 2016)

SOS Executive Master of Sustainability Leadership Admissions Committee (2013 – 2016)

ASU School of Sustainability representative to GreenGov conference, Washington DC, 2012

Panelist in Final Plenary session, Focus the Nation event at UC Irvine, Jan 31, 2008

Co-founder and Adviser of Students for Sustainability (S4S), UCI, 2006-2009

Adviser, UCI Student Sustainability Coalition (a coalition of several sustainability clubs), 2007-9

Campus organizer for Silicon Valley Toxics Coalition's UC campus e-waste campaign 2006-7

Local organizer for Campus Climate Challenge, UCI, 2006-7

UCI Representative to the Council of the California Student Sustainability Coalition 2006-7

PhD student representative to PPD department faculty meetings, 2006-2007

Graduate student representative to interdisciplinary committee designing a new undergraduate concentration in Environmental Studies at UC Irvine, 2006-2007

Associated Graduate Students, UCI, Sustainability Adviser, 2006-2007

Graduate student representative to UCI Sustainability Committee, 2006-2007

Founding Co-chair of Active Students for a Healthy Environment (ASHE), UNCA 1999-2002

Environmental Opinion Columnist, UNCA Blue Banner newspaper 1999-2002

Intern, Southern Appalachian Biodiversity Project, Asheville, NC, summer 2001
(Researched and wrote ESA petition to list the green salamander (*Aneides aeneus*) as endangered)

Greenpeace Student Training Week, Washington, DC, 2000

Lobbyist for forest protection with American Lands, Washington, DC: 1999, 2000

Languages

English (US native speaker)
Indonesian (intermediate) – Southeast Asian Summer Studies Institute University of Wisconsin, Madison (2007); and Alam Bahasa Indonesia, Yogyakarta, Indonesia (2007); University of California, Los Angeles (2008).
French; Spanish (beginner/intermediate)

Memberships

Society for Social-Ecological Systems

Member, Collaborative governance and management working group, Programme on Ecosystem Change and Society, UN Future Earth
Member, UNESCO Inclusive Policy Lab
Social Science Working Group, Society for Conservation Biology (2024 - present)
National Sustainability Society (2024 - present)
International Association for the Study of the Commons (IASC) 2020-2023
American Association of Geographers (2020-2022)
Resilience Alliance (2017-2020)
International Studies Association: International Devt. & Envt. Policy sections, 2007-2014
Focused Research Group in International Environmental Cooperation, 2008-2009
Development Studies Reading Group, UC Irvine, 2004-2005