

CHELSIE L. ROMULO

CURRICULUM VITAE

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University of Northern Colorado

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CURRENT POSITIONS

Assistant Professor	Department of Geography, GIS, and Sustainability, University of Northern Colorado 2017-Current
Planning Commissioner	City of Greeley, CO 2019 - Current
Ex-Officio Board Member	Poudre Heritage Alliance 2019 - Current

EDUCATION

PhD July 2017	Dissertation: <i>Sustainability and conservation of the ecologically, culturally, and economically important palm tree Mauritia flexuosa (aguaje) in the Peruvian Amazon.</i> Environmental Science and Policy Department, George Mason University, Fairfax VA Co-Adviser: Francisco Dallmeier, Smithsonian Institute Co-Adviser: Michael Gilmore, School of Integrative Studies, George Mason University
M.S. August 2012	Thesis: <i>Global assessment of owl distribution, diversity, conservation hotspots, and owls as a biodiversity indicator standard.</i> Natural Resource Management, Virginia Polytechnic State University, Falls Church VA Adviser: Heather E. Eves
B.S. June 2008	Biology and Animal Science (Dual Degree) California Polytechnic State University, San Luis Obispo CA
Certificate June 2012	Geographic Information Systems (GIS) Northern Virginia Community College, Reston VA

RESEARCH ACTIVITIES

2022 TBD	Integrated pathways into Anthropology, Geoscience, and Environmental Science (AGES) undergraduate programs
2021 Submitted	Collaborative Proposal: Racial Equity: Developing an assessment tool for intersectionally understanding sense of belonging in conservation science
2017 - Present	Evaluating student learning of complex systems in environmental education.
2016 - Present	Global Synthesis of Climate Change Effects on Inland Fish, NCCWSC - USGS
2012 - Present	Harvest and Conservation of <i>Mauritia flexuosa</i> fruit in the Peruvian Amazon
2011 - Present	GIS Analyst, Global Owl Project, Arlington, VA
2014 - 2018	Enabling Conditions for Payments for Watershed Services in Large Cities - SESYNC
2014 - 2015	Water, Sanitation, and Hygiene Workshops Project Lead, Amazon WaSH
2013	Peruvian Amazon Palm Research Assistant, George Mason University, Fairfax, VA
2009 - 2016	Environmental Analyst, Mangi Environmental Group, McLean, VA
2007	Fisheries Technician, Pacific States Marine Fisheries Commission, San Luis Obispo, CA
2006	Summer Research Intern, Center for Reproduction of Endangered Species, San Diego CA

RESEARCH GRANTS

- 2022 Role: PI. *In preparation*. [NSF IUSE-EHR](#). How do sense of place/transformational experiences help students develop capacity for FEW systems thinking.
- 2022 Role: PI. *In preparation*. [NSF IUSE-EHR](#). Integrated pathways into Anthropology, Geoscience, and Environmental Science (AGES) undergraduate programs via place-based experiential engagements
- 2022 Role: PI. *In preparation*. [NSF Cultural Transformation in the Geoscience Community \(CTGC\)](#). Planning Grant: Building community learning ecosystems for climate change resilience in Northern Colorado.
- 2022 Role: Co-PI. *In Review*. [NSF STEM Ed PRE](#). STEM Ed Equity Program for Postdoctoral Scholars (STEPPS).
- 2022 Role: PI. **\$25,000**. [Hewitt Institute Grant for History and Social Science Education](#). Water Equity Teaching Training Workshop for High School Educators.
- 2021 Role: Co-PI. *Rejected – Revising for re-submission*. [NSF EHR Racial Equity](#). Collaborative Proposal: Racial Equity: Developing an assessment tool for intersectionally understanding sense of belonging in conservation science.
- 2021 Role: PI. **\$25,000**. [Hewitt Institute Grant for History and Social Science Education](#). Water Equity Teaching Training Workshop for High School Educators.
- 2020 Role: Principal Investigator. *Rejected* [SESYNC Pursuit \(Theme: Social and Environmental Dimensions of the Food-Water-Energy Nexus\)](#): Crop insurance subsidies for resilient & sustainable agroecosystems.
- 2019 Role: Co-PI. **\$10,000**. [City of Boulder Open Space and Mountain Parks Funded Research Program](#). Quantifying Erosion Susceptibility as a Function of Geomorphic Variables, Trail Type, and Use with Implications for Trail Planning
- 2019 Role: Principal Investigator. **\$1.077mil**. [NSF IUSE-EHR](#) Collaborative Research: A Next Generation Concept Inventory using Constructed Response for evaluating student knowledge of complex systems in environmental education.
- 2018 Role: Subaward. **\$749,964**: [NSF INFEWS](#) RCN: Cultivating a National Collaborative for Research on Food, Energy, and Water Education (NC-FEW).
- 2018 Role: Principal Investigator. *Rejected*. [Science for Nature and People Partnership](#): Evaluating enabling conditions within theory of change models for Community-Based Natural Resource Management.
- 2018 Role: Principal Investigator. *Rejected*. [USDA NIFA](#): Practical Training in Science Communication.
- 2017 Role: Subaward. **\$123,071** [Association of Fish and Wildlife Agencies Multistate Conservation Grant Program](#): Evaluating the Promise and Potential Impacts of R3 Efforts Targeting College Students.
- 2016 Role: Graduate Student. **\$6,650** Provost PhD Research Award, George Mason University
- 2015 Role: Graduate Student. **\$2,400** Cosmos Club Fellowship
- 2015 Role: Graduate Student. **\$800** Interdisciplinary Curriculum Collaborative Scholarship
- 2014 Role: Graduate Student. [SESYNC](#) Graduate Student Pursuit: Enabling Payments for Watershed Services. Role: Pursuit Member & Researcher. (Funded Pursuit for 2 years)
- 2014 Role: Graduate Student. **\$15,000** Phipps Conservatory Botany in Action Fellowship (\$5,000 annually for 3 years)

FELLOWSHIPS & AWARDS

- 2021 Association of Environmental Studies and Sciences Early Career Researcher Award
- 2020 UNC Open Education Resources Grant
- 2019 UNC HSS Award for Excellence in Advising and Service
- 2017 NASA-MSU Professional Enhancement Award
- 2017 Provost Dissertation Completion Grant
- 2017 First place, George Mason University 3 Minute Thesis
- 2016 Edmund H. Fulling Award for Best Student Presentation, 2016 SEB Conference
- 2016 Society of Economic Botany (SEB) Travel Award
- 2016 Society for Conservation Biology (SCB) Travel Award
- 2015 Graduate Travel Award, GAPSA, George Mason University
- 2014 Fellow, National Socio-Environmental Synthesis Center (SESYNC), NSF

- 2014 Exceptional GTA for Environmental Science and Policy
 2013 Graduate Travel Award, ESP GSA, George Mason University
 2012 Smithsonian-Mason Doctoral Fellowship in Conservation Science (4 years)

RESEARCH PUBLICATIONS

* Designates Student Co-Author

- 2022 Romulo, C.**, Gilmore, M., Kennedy, C., and Endress, B. 2022. Sustainable harvest training in a common pool resource setting in the Peruvian Amazon: limitations and opportunities. *Trees, Forests and People*. DOI: <https://doi.org/10.1016/j.tfp.2021.100185>
- 2021 Larson, L. R., Peterson, M. N., Furstenberg, R. V., Vayer, V. R., Lee, K. J., Choi, D. Y., Stevenson, K., Ahlers, A. A., Anhalt-Depies, C., Bethke, T., Bruskotter, J., Chizinski, C. J., Clark, B., Dayer, A. A., Dunning, K. H., Ghasemi, B., Gigliotti, L., Graefe, A., Irwin, K., Keith, S.J., Kelly, M., Kyle, G., Metcalk, E. Morse, W., Needham, M.D., Neelam, P., Quartuch, M., Rodriguez, S., **Romulo, C.**, Sharp, R.L., Siemer, W., Springer, M., Stedman, R., Stein, T., Van Deelen, T., Whiting, J., Winkler, R.L., & Woosnam, K. M. (2021). The future of wildlife conservation funding: What options do U.S. college students support? *Conservation Science and Practice*. DOI: <https://doi.org/10.1111/csp2.505>
- 2021 Vayer, V. R., Larson, L. R., Peterson, M. N., Lee, K. J., Von Furstenberg, R., Choi, D. Y., Stevenson, K., Ahlers, A.A., Anhalt-Depies, C., Bethke, T., Bruskotter, J., Chizinski, C.J., Clark, B., Dayer, A.A., Ghasemi, B., Gigliotti, L., Graefe, A., Irwin, K., Keith, S.J., Kelly, M., Kyle, G., Metcalk, E. Morse, W., Needham, M.D., Neelam, P., Quartuch, M., Rodriguez, S., **Romulo, C.**, Sharp, R.L., Siemer, W., Springer, M., Stedman, R., Stein, T., Van Deelen, T., Whiting, J., Winkler, R.L., & Woosnam, K. M. (2021). Diverse University Students Across the United States Reveal Promising Pathways to Hunter Recruitment and Retention. *The Journal of Wildlife Management*. DOI: <https://doi.org/10.1002/jwmg.22055>
- 2021 Salerno, J., **Romulo, C.**, Galvin, K. A., Brooks, J., Mupeta-Muyamwa, P., & Glew, L. 2021. Adaptation and evolution of institutions and governance in community-based conservation. *Conservation Science and Practice*, e00355. DOI: <https://doi.org/10.1111/csp2.355>
- 2019 Wallen, K. E., Filbee-Dexter, K., Pittman, J., Posner, S., Alexander, S. M., **Romulo, C. L.** Bennett, D.E., Clark, E.C., Cousins, S.J.M., Dubik, B.A., Garcia, M., Haig, H.A., Koebele, E.A., Qiu, J., Richards, R.C., Symons, C.C., Zipper, S.C. 2019. Perspectives on interdisciplinary graduate team science education and training. *Journal of Environmental Studies and Sciences*. DOI: <https://doi.org/10.1007/s13412-019-00543-2>
- 2018 **Romulo, C.**, Posner, S., Cousins, S., Fair, J.H. Bennet, D., Huber-Stearns, H., Richards, R., and R.I. McDonald. 2018. Global State and Potential Scope of Investments in Watershed Services for Large Cities. *Nature Communications*. 9(1):4375. <https://doi.org/10.1038/s41467-018-06538-x>
- 2018 Liu, J., Dou, Y., Batistella, M., Challies, E., Connor, T., Friis, C., Huettmann, F., Millington, J.D.A., Parish, E., **Romulo, C.**, Bicudo Silva, R.F., Treglia, M., Triezenberg, H., Yang, H., Zhao, Z., Zimmerer, K., Basher, Z., Gon Chun, M., Herzberger, A., Lenschow, A., Mechiche-Alami, A., Newig, J., Roche, J. & J. Sun. 2018. Spillover systems in a telecoupled Anthropocene: Typology, methods, and governance for global sustainability. *Current Opinion in Environmental Sustainability*. 33:58-69 DOI: <https://doi.org/10.1016/j.cosust.2018.04.009>

- 2018 **Romulo, C.**, Raoufi*, A., Largen, K., and Schwebach, J.R. 2018. Using peer review to improve lab report assignments. *American Biology Teacher*. Vol. 80 No. 4 (pp. 301-304) DOI: 10.1525/abt.2018.80.4.301
- 2017 **Romulo, C.**, Basher, Z., Lynch, A.J., Kao, Y., and W. W. Taylor. 2017. Assessing the global distribution of river fisheries harvest: A systematic map protocol. *Journal of Environmental Evidence*. 6:29. DOI: 10.1186/s13750-017-0107-x.
- 2017 Wallen, K. E., and **C. L. Romulo**. 2017. Social norms: more details, please. *Proceedings of the National Academy of Sciences USA*. doi: 10.1073/pnas.1704451114
- 2017 Huber-Stearns, H., Bennet, D., Richards, R., **Romulo, C.**, Cousins, S., and Hoyle, J. 2017. Social-Ecological Enabling Conditions for Environmental Policies: A Review of Current Dialogues with an Illustrative Focus on Payments for Ecosystem Services. *Ecology and Society*. 22(1):18. <https://doi.org/10.5751/ES-08979-220118>
- 2017 Virapongse, A., Endress, B.A., Gilmore, M.P., Horn, C. and **C. Romulo**. 2017. Ecology, livelihoods, and management of the *Mauritia flexuosa* palm in South America. *Global Ecology and Conservation*, 10, pp.70-92.
- 2016 Nelson, J., Gerasimova, D., Samaras, A., Bland, L., Hjalmarsen, M., Kester, M., **Romulo, C.**, Battistini, A., Crowell, A., Ericson, R. and Ewell, M., 2016, July. Implementation of interactive teaching strategies across STEM disciplines. In *Innovations in Teaching & Learning Conference Proceedings* (Vol. 8, p. 2).
- 2016 Schwebach, J.R., Gerasimova, D., Luther, D.A., Verhoeven, A.B., Davis, C., Gostel, M., **Romulo, C.**, Schreffler, L., Seshaiyer, P., Nelson, J.K. 2016. Advancing Graduate Education and Faculty Development with Discipline Based Education Research and the SIMPLE Framework: Design Memos in Biology for Active Teaching. *Athens J. of Education*

MANUSCRIPTS IN REVIEW

- Stokes, G.L., Flores, J.V. Wong, J.P., Morang, C., Lynch, A.J., **Romulo, C.**, Funge-Smith, S., Valbo-Jorgensen, J., & S.J. Smidt. in preparation. Classifying human impacts and ecological responses with coupled manual-automated literature review. *Global Ecology & Biogeography*.
- Souto, T., Alonso, A., Celino, S., Carrasco, F., Dallmeier, F., Gregory, T., Richards, R., Richardson, M.L., **Romulo, C.**, Vanthomme, H., and J. L. Deichmann. *in review*. 20 conservation principles to improve collaborations with industry. *Conservation Biology*.
- Romulo, C.**, Gilmore, M., Horn, C., and Endress, B. *in review*. Factors in aguaje fruit production in several upland and floodplain aguajales in the Napo river watershed outside of Iquitos, Peru. *Biotropica*.

MANUSCRIPTS IN PREPARATION (DRAFT AVAILABLE)

- Romulo, C.**, Sheffield, S.R., Johnson, D.J., H.E. Eves, and J. Ingalls*. *in preparation*. Global Owl Distribution, Diversity Analysis, and Conservation Hotspots. *PLOS Biology*.
- Romulo, C.**, Gilmore, M., Dallmeier, F., Kennedy, C., and Endress, B. *in preparation*. The *Mauritia flexuosa* market chain of Iquitos, Peru: Description and implications for conservation. *Economic Botany*

Romulo, C., Gilmore, M., Dallmeier, F., Kennedy, C., and Endress, B. *in preparation*.
Majority of *Mauritia flexuosa* fruit for sale in Iquitos, Peru destructively harvested by cutting trees. Economic Botany.

TECHNICAL DOCUMENTS & ENVIRONMENTAL ASSESSMENTS

- 2018 Environmental Assessment Boise District Noxious Weed and Invasive Plant Management. DOI BLM. Contribution: GIS, Section Writing
https://eplanning.blm.gov/epl-front-office/projects/nepa/59448/147243/180997/Noxious_Weed_EA_final.pdf
- 2016 Environmental Assessment Sublette Mule Deer Mitigation Plan. DOI BLM. Contribution: Kickoff, GIS, Section Writing.
https://eplanning.blm.gov/epl-front-office/projects/nepa/58507/69814/76364/SubletteMuleDeerMitigationEA_508Compliant_03022016.pdf
- 2015 Environmental Assessment Catahoula Forest Health. USDA FS. Contribution: GIS, Section Writing
https://www.fs.usda.gov/nfs/11558/www/nepa/100741_FSPLT3_3906963.pdf
- 2015 Supplemental Environmental Assessment Army Residential Communities Initiative (RCI) Properties at Fort Belvoir, VA. DOD. Contribution: GIS, Section Writing
<https://www.belvoir.army.mil/environmental/RCI%20FINAL%20SEA.pdf>
- 2014 Environmental Assessment FY 2016-2025 Prescribe Burn Program Winn Ranger District. USDA FS. Contribution: GIS, Section Writing
https://www.fs.usda.gov/nfs/11558/www/nepa/99700_FSPLT3_2484176.pdf
- 2014 Environmental Assessment for the Solar Photovoltaic System Central Alabama Veterans Health Care System. Contribution: GIS, section writing
<https://www.centralalabama.va.gov/documents/VA-Montgomery-Solar-PV-System-EA-REVISED-DRAFT.docx>
- 2014 Environmental Assessment for the Designation of Critical Habitat for the Jaguar. DOI USFWS. Contribution: GIS, Biological Assessment, Section Writing
https://www.fws.gov/southwest/es/arizona/Documents/SpeciesDocs/Jaguar/2014-1-16_Jaguar_fCH_Final%20NEPA.pdf
- 2013 Environmental Assessment for the Designation of Critical Habitat for the Jemez Mountains Salamander. DOI USFWS. Contribution: GIS, Biological Assessment, Section Writing
https://www.fws.gov/southwest/es/newmexico/documents/JMS_Final_Environmental_Assessment_Critical_Habitat_11-2013.pdf
- 2013 Environmental Assessment for the BigSky Regional Carbon Sequestration Partnership - Phase III: Kevin Dome Carbon Storage Project. Contribution: GIS, Section Writing
<https://netl.doe.gov/sites/default/files/environmental-assessments/NEPA-Big-Sky-Final-EA.pdf>
- 2012 Environmental Assessment for the Designation of Critical Habitat for the Chiricahua Leopard Frog. DOI USFWS. Contribution: GIS, Biological Assessment, Section Writing
https://www.fws.gov/southwest/es/arizona/Documents/SpeciesDocs/CLF/CLF_2012_fCH_fEA.pdf

- 2012 Environmental Assessment for the Designation of Critical Habitat for the Southwestern Willow Flycatcher. DOI USFWS. Contribution: GIS, Biological Assessment, Section Writing
https://esadocs.cci-dev.org/ESAdocs/misc/Final_Flycatcher_NEPA_EA--11-30-12.pdf
- 2012 Programmatic Environmental Impact Statement for Northern Border Activities. DHS CBP. Contribution: GIS, Public Meetings, Section Writing, Lead for Aesthetic and Visual Resources.
<https://www.hsdl.org/?abstract&did=798767>
- 2011 Environmental Assessment for the Southeast Regional Carbon Sequestration Partnership Phase III Anthropogenic Test Project. DOE NETL. Contribution: GIS, Section Writing
<https://netl.doe.gov/sites/default/files/environmental-assessments/NEPA-SECARB-Anthropogenic-Final-EA-2-24-2011.pdf>
- 2011 Literature Synthesis for the North and Central Atlantic Ocean. DOI BOEM. Contribution: Reference database management. <https://www.boem.gov/ESPIS/5/5139.pdf>
- 2011 Environmental Assessment for the Delphi Automotive Systems, LLC Electric Drive Vehicle Battery and Component Manufacturing Initiative. Contribution: GIS, Section Writing
<https://netl.doe.gov/sites/default/files/environmental-assessments/Delphi-Kokomo-Final-EA-12-5-11.pdf>
- 2011 Supplemental Environmental Assessment for General Motors LLC Electric Drive Vehicle Battery and Component Manufacturing Initiative in White Marsh MD. DOE NETL. Contribution: GIS
https://www.energy.gov/sites/prod/files/nepapub/nepa_documents/RedDont/EA-1723-SupDEA-2011.pdf

PUBLISHED ABSTRACTS & PRESENTATIONS

- 2021 Roundtable Discussion – SERC Earth Educators Rendezvous
Fostering Sustainable Institutions: Engaging Our Universities in the Movement for Change
- 2021 Discussion Session - Association of American Colleges & Universities
Fostering Sustainability Out of a Pandemic: Pathways for Higher Education to Create a More Resilient Institution and Society
- 2020 Invited Talk – School of Biology Seminars, University of Northern Colorado
Modeling conditions that enable payments for watershed services programs.
- 2020 Oral Presentation – Geological Society of America (GSA)
What are we teaching in Introductory Environmental Courses, What is Missing, and What to Do About it?
- 2020 Oral Presentation – Geological Society of America (GSA)
Introducing a Next Generation Concept Inventory using constructed response for evaluating student knowledge of complex systems in environmental education
- 2020 Oral Presentation – Association of Environmental Studies and Sciences
Alignment among environmental programs in higher education: What are we covering in introductory courses?
- 2020 Oral Presentation – Association of Environmental Studies and Sciences
What's Missing in ESS and What to do About It: Introductory Courses
- 2020 Oral Presentation - Annual Conference for American Association of Geographers, Virtual
*The *Mauritia flexuosa* market chain of Iquitos, Peru: Description and implications for conservation.*

Panel: Qualitative and Quantitative Approaches to Understanding Deforestation Dynamics in the Amazon Basin

- 2019 Oral Presentation - Annual Conference on Gender Justice and Feminism, Greeley CO
Researchers with diverse gender perspectives do better science: Examples from Ecology and Conservation
- 2019 Discussion Symposium - Association for Environmental Studies and Sciences
Community Based Student Research in the ESS Senior Capstone
- 2019 Discussion Symposium - Association for Environmental Studies and Sciences
Integrating community-based student research into ESS curriculum
Discussion Symposium
- 2019 Poster - Association for Environmental Studies and Sciences
A Next Generation Concept Inventory using Constructed Response for evaluating student knowledge of complex systems in environmental education.
- 2019 Invited Panel Speaker - Society for the Academic Study of Social Imagery
Houston, We Have A Solution: SCI COMM As Adventure
- 2018 Invited Seminar Speaker - Earth & Atmospheric Sciences Department, UNCO
Modeling conditions that enable payments for watershed services programs.
- 2018 Poster - Innovating Teaching and Learning in the Food-Energy-Water-Nexus:
Proposing a modified concept inventory method to evaluate a systems approach to environmental education
- 2018 Oral Presentation - Boundary Spanning: Advances in Socio-Environmental Systems Research.
Communication technology influences on a non-timber forest product market in the Peruvian Amazon
- 2018 Invited Oral Presentation - Earth Science Information Partners - Innovative Projects in Earth Sciences Technology
Modeling conditions that enable payments for watershed services programs.
- 2018 Oral Presentation - Collaboration for Environmental Evidence Conference
Assessing the global distribution of river fisheries harvest: a systematic map protocol
- 2018 Oral Presentation - Latin America and Caribbean Conference for Conservation Biology
*The influence of technological transitions on socio-environmental market dynamics of *Mauritia flexuosa* harvest in the Peruvian Amazon.*
- 2017 Oral Presentation - Pathways Conference
*Support for Ostrom Design Principles for conservation interventions of *Mauritia flexuosa*, a non-timber forest product in the Peruvian Amazon*
- 2017 Speed Talk - International Conference for Conservation Biology
**Mauritia flexuosa* fruit trade in Peru: drivers for extraction and conservation potential*
- 2017 Oral Presentation - International Symposium on Society and Resource Management, Umea, Sweden
Biophysical and social conditions enabling payment for ecosystem service programs that provide drinking water to the world's largest cities.
- 2017 Oral Presentation - US International Association for Landscape Ecology, Baltimore, MD
Examining social and environmental conditions that enable payment for watershed services programs f

- 2016 Mini-Poster - 8th Annual Innovations in Teaching and Learning Conference, Fairfax, VA
Peer Review as part of the undergraduate lab report assignment
- 2016 Oral Presentation - Society for Economic Botany 57th Annual Meeting, Harlan County, KY
Mauritia flexuosa trade in Loreto, Peru: market drivers for extraction and potential for conservation
- 2016 Oral Presentation - North American Congress for Conservation Biology, Madison, WI
What makes conservation workshops work? An assessment of community-based agnaje (Mauritia flexuosa) management interventions in the Peruvian Amazon
- 2015 Poster - BIOCON, Lima, Peru
Documenting regional patterns of Mauritia flexuosa extraction in the Peruvian Amazon: implications for conservation and sustainable management
- 2014 Poster - Joint Society Conference: Society for Economic Botany & Society of Ethnobiology
Working to conserve and sustainably manage the ecologically, culturally, and economically important palm tree Mauritia flexuosa (agnaje) in the Peruvian Amazon
- 2013 Poster - International Congress for Conservation Biology (ICCB), Baltimore, MD
Community-Based Forest Conservation in Kenya: A case study in conservation planning with the Loita Maasai tribe using the Open Standards of Conservation to develop a Participatory Rural Appraisal (PRA)-based workshop.
Poster
- 2013 Oral Presentation - Worldwide Raptor Conference, Bariloche, Argentina
Global Owl Distribution, Diversity Analysis, and Conservation Hotspots: A geodatabase of 211 owl species range maps and diversity analysis of the global distribution of owls for the Global Owl Project.

OUTREACH & COMMUNICATIONS

- 2020 Press Release & Article: UNC Faculty Land \$1 Million Grant to Develop Assessment Tool
<https://www.unco.edu/news/newsroom/releases/unc-leads-grant-students-learn-sustainability.aspx>
- 2018 Press Release & Podcast Interview: Investing in Watersheds to Prepare for Growing Urban Populations <https://www.unco.edu/news/articles/investments-watersheds-services-podcast.aspx>
- 2018 Podcast Interview: Planted – Finding your Roots in STEM Careers
<http://planted-podcast.libsyn.com/episode-6-north-stars-the-leaders-in-your-journey-with-guest-dr-chelsie-romulo>
- 2018 Podcast Interview. Bear in Mind – Investing in Ecosystem Services for Clean Water
<https://www.unco.edu/news/articles/investments-watersheds-services-podcast.aspx>
- 2016 Society for Economic Botany Newsletter: SEB 2016 Conference and Botany in Action Fellowship—A Review. http://www.econbot.org/themes/Econbot/pdfs/PandP/2016_fall.pdf

PROFESSIONAL DEVELOPMENT & SERVICE

Service to the University

- 2019 - Current College of Humanities and Social Sciences Diversity Advisory Board
- 2018 - Current College of Humanities and Social Sciences Program Review Assessment Committee
- 2019 - 2021 University Integrated Network Council
- 2018 - 2020 Science Communication Curriculum Committee

2018 Liberal Arts Core Assessment Pilot Study
 2017 - 2020 Environmental & Sustainability Studies Curriculum Committee
 2017 - 2020 Power Ed Campus Sustainability Committee
 2017 - Current Co- Director, [UNC Earth and Environmental Network](#)

Editor

2020 Conservation Science and Practice. Special Issue: Evolution and Adaptation of Governance and Institutions in Community-based Conservation

Peer-Reviewer

Journal of Environmental Evidence, Conservation Biology, American Biology Teacher, Insect Conservation and Diversity, Biodiversity and Conservation, Society and Natural Resources, Small Scale Forestry, AMBIO, Nature Sustainability

Professional Development Trainings & Workshops

2021 [Essentials of Spatial Ecology: GIS Analysis in R, Online Course](#)
 2020 [University of California Informatics and GIS Program Drone Camp](#)
 2019 [STEM Inclusive Excellence Teacher Scholar Program, UNCO](#)
 2019 [CO Network of Women Leaders: Academic Management Institute](#)
 2019 [SESYNC Teaching Socio-Environmental Synthesis with Case Studies](#)
 2019 [SERC-Carleton Earth Education for Sustainable Societies](#)
 2019 [SESYNC Data to Motivate Synthesis](#)
 2019 [CSU Drone Flight School](#)
 2018 [Innovating Teaching and Learning in the Food-Energy-Water Nexus: Toward a National Collaborative for Food, Energy, & Water Systems Education](#)

Professional Affiliations

2019 - present Association of Environmental Studies and Sciences
 2017 - present Greeley POD of 500 Women in Science Network
 2016 - present International Association for Society and Natural Resources
 2014 - present Society for Conservation Biology: Planning Committee NACCB 2020
 2012 - 2015 Environmental Science and Policy Graduate Student Association, President 2014 - 2016

SKILLS

MS Office	Teams, Access, Word, Excel, and PowerPoint
Stat Software	R, SPSS, Minitab, SAS, and Statview
Database	Raintree, VetPacs, and Filemaker Database Systems Miradi Software for the <i>Open Standards</i> for the Practice of Conservation
GIS & Remote Sensing	ArcMap GIS ENVI and ERDAS remote sensing Drone Pilot (FAA Remote Pilot Certificate 2019)
Language	Spanish (Latin American)

STUDENT ADVISING

Graduate Committee Members

2020 - Current MS: Ara Metz – Topics: Quantifying Erosion Susceptibility as a Function of Geomorphic Variables, Trail Type, and Use with Implications for Trail Planning
 2020 - Current PhD: Amanda Manzanara – Topic: Geoscience Education

2019 - Current PhD: Brian Tucker - Topic: Outdoor Educational Learning Environments
 2019 - Current PhD: Amanda Bevan - Topic: Impact of Bark Beetle Kill on bats and nocturnal food webs
 2019 - Current PhD: Lee Arakawa - Topic: Exploring perceptions of the sport coach's cross-cultural competence between coach and athletes

Graduate Research Mentorship

2020 Juan Perez - *Modeling Water Quality Conditions in Cache La Poudre River Watershed Using R*
 2018 Davitia James - *Assessing Preventative and Democratic Effectiveness of the Environmental Impact Assessment for the Geothermal Energy Development Project in the Commonwealth of Dominica*
 2018 Cheyanne Herbert - *Environmental Impacts of the Thermal Interference from Shallow Geothermal Energy Systems in an Alluvial Floodplain Ecosystem: A systematic review*
 2018 Seth Klein - *High Fire Risk Potential of the Northern Integrated Supply Project: Relevance to Reservoir Management*

Undergraduate Student Clubs

2019 UNC Garden Club
 2017 - Present [Student Leadership for Environmental Action Fund](#)

Undergraduate Research Mentorship

2021 Directed Study – Grace Holwagner, *Inland Fisheries Project: African Rivers*
 2021 Directed Study – Antonio Reveles-Hernandez, *Inland Fisheries Project: US Rivers and Dams*
 2019 Directed Study - Jaymie Ingalls *Global Owl Range Map Assessment*
 2019 McNair Advisee - Joelle Jenkins *Social and Cultural Factors of College Students that Contribute to the Understanding of Environmental Issues and Consideration of the Natural Environment*
 2018 McNair Advisee - Soledad Sierra *Analysis of microplastic polymers in freshwater lakes and reservoirs*

COURSES TAUGHT

Number	Course Title	Semester	Enrollment
<i>University of Northern Colorado</i>			
ENST 100	Introduction to Environmental Studies	Fall 2017	75
		Spring 2018	75
		Fall 2018	65
		Spring 2019	65
		(online) Summer 2019	23
		Fall 2019	62
		(online) Interim 2019/2020	24
		Spring 2020	66
		(online) Fall 2020	47
		(online) Interim 2020/2021	17
		(online) Spring 2021 (2 Sections)	96
ENST 265	Conservation and Management of Natural Resources	(online) Summer 2021	19
		Fall 2017	40
		Spring 2018	30
		Fall 2018	24
		Fall 2019	24
ENST 321	Introduction to Environmental Impact Assessment	(online) Fall 2020	26
		Fall 2018	8
		(online) Spring 2021	21
SCI 291	Scientific Writing	Spring 2019	28
		(online) Summer 2020	18
ENST 405	Environmental and Sustainability Studies Senior Seminar	Spring 2019	18
		Spring 2020	14

ENST 495	Conservation Project Design & Planning	(online)	Fall 2020	8
ENST 364	Leadership and Community Building		Fall 2019	8
			Spring 2020	24
<i>George Mason University</i>				
INST 210	Sustainable World		Fall 2016	24
EVPP 110	Introduction to Environmental Science I (Lab)		Fall 2012	24
			Spring 2013	24
			Fall 2013	24
			Spring 2014	24
EVPP 111	Introduction to Environmental Science II (Lab)		Fall 2012	24
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REFERENCE SITES

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