

MELANIE M. COLAVITO, Ph.D.

Director of Policy and Communications | Curriculum Vitae

Ecological Restoration Institute, Northern Arizona University | P.O. Box 15017, Flagstaff, AZ 86011
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EDUCATION

Doctor of Philosophy **Geography** **December 2015**

University of Arizona (UA)

Major: Geography | Minor: Remote Sensing and Spatial Analysis | GPA 3.955

Dissertation: *The Role of Science in Collaborative Forest Management* | Committee: Dr. Gary

Christopherson (advisor), Dr. Connie Woodhouse, Dr. Stephen Yool, Dr. Keiron Bailey

Additional Graduate Certificate in College Teaching (completed in 2013)

Master of Arts **Geography** **December 2009**

University of Arizona

Major: Geography | GPA 3.912

Thesis: *Public Participation Geographic Information Systems as a Method for Developing a Community Wildfire Protection Plan: A Case Study of Summerhaven, Arizona* | Committee: Dr. Gary Christopherson

(advisor), Dr. Barbara Morehouse, Dr. Keiron Bailey

Additional Graduate Certificate in Geographic Information Systems (GIS) (completed in 2009)

Bachelor of Arts **Geography** **May 2007**

University of Arizona

Major: Geography | Minors: Creative Writing w/ Honors and Spanish | *Summa Cum Laude* | GPA 3.936

Honors Thesis: *The Geography of Home: A Collection of Essays about Place* | Advisor: Alison Deming

PROFESSIONAL AND ACADEMIC APPOINTMENTS

Director of Policy and Communications **November 2020 – Present**

Ecological Restoration Institute (ERI), Northern Arizona University (NAU), Flagstaff, AZ

Adjunct Faculty **August 2019 – Present**

School of Forestry (SoF), NAU, Flagstaff, AZ

Human Dimensions Specialist **April 2017 – November 2020**

Ecological Restoration Institute (ERI), Northern Arizona University (NAU), Flagstaff, AZ

Post-Doctoral Research Fellow **January 2016 – April 2017**

Alaska Center for Climate Assessment and Policy, International Arctic Research Center, University of Alaska, Fairbanks

OTHER RELEVANT PROFESSIONAL EXPERIENCE

Facilitation

Facilitator, Cross-Boundary Landscape Restoration Workshop, Ft. Collins, CO, May 2023.

Rotating Facilitator, Wood for Life collaborative partnership, 2021 – 2022.

Facilitator, Cross-Boundary Landscape Restoration Workshop, Albuquerque, NM, March 2020.

Facilitator, Modernizing 4FRI Implementation Workshop, Flagstaff, AZ, October 2019.

Facilitator, LiDAR Focus Group Workshop, Flagstaff, AZ, April 2019.

Facilitator, Review Transformational Change Priorities for the Forest Service 4FRI Implementation Workshop, Flagstaff, AZ, April 2019.

Facilitator, Ecological Restoration Institute Accelerating Restoration Implementation Webinars, Flagstaff, AZ, 2018 – 2019.

Facilitator, Greater Flagstaff Area All-Lands Roundtable, Flagstaff, AZ, March 2018.

Facilitator, Greater Prescott Area All-Lands, Cross-Boundary Wildfire Workshop, Prescott, AZ, February 2018.

Facilitator, Accelerating Restoration Implementation Workshop, Phoenix, AZ, November 2017.

Notetaker, Forest Health Funding Strategies Workshop, Scottsdale, AZ, 2014.

Notetaker, “Fostering Resilience in Southwest Ecosystems: A Problem-Solving Workshop”, Southwest Fire Science Consortium Tucson, AZ, 2014.

Four Forest Restoration Initiative (4FRI) Stakeholder Group

4FRI Steering Committee member and rotating Chair of 4FRI Stakeholder Group, 2020 - 2023.

Co-chair, 4FRI Stakeholder Engagement Work Group, 2020 - 2023.

Panelist, National Forest Foundation Webinar: “First Ten Years of CFLRP Lessons Learned” Peer Learning Session, June 12, 2020.

Panelist, Forest Service Monthly Projects Group call, 4FRI panel discussion and information sharing, July 7, 2021.

Writer and Contributor, 4FRI Collaborative Forest Landscape Restoration Program Reauthorization Proposals (Tier 1 and 2), 2019 – 2020.

Facilitator, 4FRI Strategic Plan 2018 Review and 2019 Update, 2018 – 2019.

Writer and Reviewer, Four Forest Restoration Initiative Strategic Plan, 2017.

Facilitator, 4FRI Strategic Planning Meeting, June 2017.

Other

President of the Board, Arizona Bicycle Racing Association (501c3 non-profit), 2014 – 2015.

Webmaster, School of Geography and Development, UA, 2013 – 2015.

Treasurer of the Board, Arizona Bicycle Racing Association (501c3 non-profit), 2012 – 2013.

PUBLICATIONS

Refereed Manuscripts

1. Hjerpe, E., **M. Colavito**, C. Edgeley, J. Burnett, T. Combrink, D. Vosick, and A. Sánchez Meador. 2023. Measuring the Long-Term Costs of Uncharacteristic Wildfire: A Case Study of the 2010 Schultz Fire in Northern Arizona. *International Journal of Wildland Fire*. <https://doi.org/10.1071/WF23036>

2. Edgeley, C., and **M. Colavito**. 2022. Characterizing divergent experiences with the same wildfire: Insights from a survey of households in evacuation, post-fire flood risk, and unaffected areas after the 2019 Museum Fire. *Journal of Forestry*. 16p.
3. Beeton, T., T. Cheng, and **M. Colavito**. 2022. Cultivating collaborative resilience to social and ecological change: An assessment of adaptive capacity, actions, and barriers among collaborative forest restoration groups in the United States. *Journal of Forestry* 120 (3): 316-335.
4. **Colavito, M.** 2021. The Human Dimensions of Spatial, Pre-Wildfire Planning Decision Support Systems: A Review of Barriers, Facilitators, and Recommendations. *Forests* 12 (4): 20p.
5. Hunter, M., **M. Colavito**, and V. Wright. 2020. The Use of Science in Wildland Fire Management: A Review of Barriers and Facilitators. *Current Forestry Reports* 6: 354-367.
6. **C., Melanie**, B. Satink Wolfson, A. Thode, C. Haffey, and C. Kimball. 2020. Integrating art and science to communicate the social and ecological complexities of wildfire and climate change in Arizona. *Fire Ecology* 16 (19): 10p.
7. **C., Melanie**, S. Trainor, N. Kettle, and A. York. 2019. Making the transition from science delivery to knowledge co-production in boundary spanning: A case study of the Alaska Fire Science Consortium. *Weather, Climate, and Society* 11 (4): 917-934.
8. **C., Melanie**. 2017. Utilising scientific information to support resilient forest and fire management. *International Journal of Wildland Fire* 26 (5): 375-383.
9. **C., Melanie**. 2017. The role of science in the Collaborative Forest Landscape Restoration Program. *Journal of Forestry* 115 (1): 34-42.
10. Apel, M. and **M. Colavito**. Dec. 2014/ Jan. 2015. From maps to megawatts: A GIS-based Renewable Energy Opportunity Analysis for Arizona. *The Western Planner* 35 (5): 3-6.

Refereed Manuscripts in Review

1. Hjerpe, E., **M. Colavito**, A. Waltz, and A. Sánchez Meador. Return on Investments in the Restoration of Frequent-Fire Forests of the American West: A Meta-Analysis. Submitted to *Ecological Economics*.

Book Chapters

1. **Colavito, M.** 2019. Use of scientific information to inform decision making on CFLRP projects. In “A new era for collaborative forest management: Policy and practice insights from the Collaborative Forest Landscape Restoration Program”. Butler, W. and C. Schultz eds. Routledge: London and New York. 137-153pp

White Papers

1. **Colavito, M.**, C. Edgeley, and N. vonHedemann. 2023. Public Experiences with Wildfire and Flooding: A Case Study of the 2019 Museum Fire Near Flagstaff, Arizona. ERI White Paper—Issues in Forest Restoration. Ecological Restoration Institute, Northern Arizona University. 57p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1178/rec/1>
2. Huayhuaca, C., A. Cheng, T. Beeton, J. Sanderson, A. Barton, A. Kimple, **M. Colavito**, J. Zebrowski, K. Dunn, N. vonHedemann, and A. Slack. 2023. Preparing Landscapes and Communities to Receive and Recover from Wildfire Through Collaborative Readiness. Southwest Ecological Restoration Institute Concept Paper. 27p. Available online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1175/rec/1>.
3. Franz, S., **M. Colavito**, and C. Edgeley. 2023. The Evolution of Wildfire Policy Governing Management of Natural Ignitions. ERI White Paper—Issues in Forest Restoration. Ecological Restoration Institute,

Northern Arizona University. 31p. Online:

<https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1163/rec/4>.

4. **Colavito, M.** 2021. Integrating Decision Support Tools for Wildfire Risk Assessment and Treatment Prioritization. ERI White Paper – Issues in Forest Restoration. Ecological Restoration Institute, Northern Arizona University. 25p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1100/rec/18>.
5. **Colavito, M.**, T. Combrink, E. Hjerpe, C. Edgeley, J. Burnett, A. Sánchez Meador. 2021. Full-Cost Accounting Remeasurement of the 2010 Schultz Fire: Understanding the Long-term Socio-Economic Implications of High-Severity Wildfire and Post-Wildfire Flooding. ERI White Paper – Issues in Forest Restoration. Ecological Restoration Institute, Northern Arizona University. 45p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1099/rec/4>.
6. Edgeley, C., and **M. Colavito**. 2020. Local Experiences with the 2019 Museum Fire and Associated Flood Risk: A Survey of Flagstaff-Area Residents. ERI White Paper—Issues in Forest Restoration. Ecological Restoration Institute, Northern Arizona University. 40p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1067/rec/1>.
7. Beeton, T., T. Cheng, and **M. Colavito**. 2020. Developing and Sustaining Collaborative Resilience in the Face of Change: A Review of the Collaborative Forest Landscape Restoration Program Projects. CFRI-2003. 50p. Online: <https://cfri.colostate.edu/wp-content/uploads/sites/22/2020/08/CFLRP-Developing-and-sustaining-collaborative-resilience.pdf>.
8. **Colavito, M.** 2020. Assessment of Community Wildfire Protection Plans (CWPP) in Arizona and Throughout the West. ERI White Paper—Issues in Forest Restoration. Ecological Restoration Institute, Northern Arizona University. 14 p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1034/rec/14>.

Fact Sheets/ Briefing Papers

1. **Colavito, M.** 2023. Independent Analysis of Managed Wildfire by the Southwest Ecological Restoration Institutes. SWERI Briefing Paper. Southwest Ecological Restoration Institutes. 3 p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1188/rec/1>
2. **Colavito, M.**, C. Edgeley, and N. vonHedemann. 2023. Public Experiences with Wildfire and Flooding: A Case Study of the 2019 Museum Fire Near Flagstaff, Arizona. ERI Fact Sheet. Ecological Restoration Institute, Northern Arizona University. 3p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1186/rec/2>
3. **Colavito, M.**, E. Hjerpe, C. Edgeley, J. Burnett, T. Combrink, D. Vosick, A. Sánchez Meador. 2023. Calculating the Full Costs of the 2010 Schultz Fire: A Ten-Year Review. ERI Fact Sheet. Ecological Restoration Institute, Northern Arizona University. 2p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1180/rec/5>.
4. Huayhuaca, C., A. Cheng, T. Beeton, J. Sanderson, A. Barton, A. Kimple, **M. Colavito**, J. Zebrowski, K. Dunn, N. vonHedemann, and A. Slack. 2023. Preparing Landscapes and Communities to Receive and Recover from Wildfire Through Collaborative Readiness. Southwest Ecological Restoration Institute Summary. Available online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1176/rec/2>
5. Aldworth, T., T. Beeton, N. vonHedemann, **M. Colavito**, and M. Caggiano. 2023. Use of Risk Management Assistance on the 2022 Cedar Creek Fire, Oregon. SWERI Fact Sheet. Southwest Ecological Restoration Institutes. 2 p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1173/rec/1>.

6. Franz, S., **M. Colavito**, and C. Edgeley. 2022. The Evolution of Wildfire Policy Governing Management of Natural Ignitions. ERI Fact Sheet. Ecological Restoration Institute, Northern Arizona University. 3 p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1166/rec/3>
7. Aldworth, T., N. vonHedemann, T. Beeton, **M. Colavito**, and M. Caggiano. 2023. Use of Risk Management Assistance on the 2022 Windigo/Potter/Big Swamp Complex, Oregon. SWERI Fact Sheet. Southwest Ecological Restoration Institutes. 2 p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1161/rec/2>.
8. vonHedemann, N., T. Aldworth, T. Beeton, **M. Colavito**, and M. Caggiano. 2023. Use of Risk Management Assistance on the 2022 Bear Trap Fire, New Mexico. SWERI Fact Sheet. Southwest Ecological Restoration Institutes. 2 p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1162/rec/3>.
9. Beeton, T., M. Caggiano, **M. Colavito**, C. Huayhuaca, and T. Aldworth. 2022. Use of Risk Management Assistance During the 2021 Fire Season. Southwest Ecological Restoration Institute Fact Sheet. 2p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1148/rec/4>.
10. Beeton, T., A. Snitker, and M. Colavito. 2022. Collaboration Indicator: Summary of findings for the Northern Blues All-Lands Restoration Partnership. Southwest Ecological Restoration Institute Fact Sheet. 3p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1157/rec/1>.
11. Beeton, T., T. Cheng, and **M. Colavito**. 2022. Cultivating Collaborative Resilience Among Collaborative Forest Restoration Groups. CFRI Fact Sheet. Colorado Forest Restoration Institute. 2p. Online: https://cfri.colostate.edu/wp-content/uploads/sites/22/2022/03/CollaborativeResilience_CFLRP_2Pg.pdf.
12. **Colavito, M.**, and C. Edgeley. 2020. Local Experiences with the 2019 Museum Fire and Associated Flood Risk. ERI Fact Sheet. Ecological Restoration Institute, Northern Arizona University. 2p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1069/rec/1>.

Technical Reports

1. vonHedemann, N., T. Beeton, A. Snitker, **M. Colavito**, T. Teel, C. Huayhuaca, and A. Cheng. 2023. CFLRP Collaborative Governance Assessment Report for the Zuni Mountains CFLRP. Technical Report. Southwest Ecological Restoration Institutes. 35 p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1193/rec/4>
2. Huayhuaca, C., Beeton, T., A. Snitker, N. vonHedemann, **M. Colavito**, T. Teel, and A. Cheng. 2023. CFLRP Collaborative Governance Assessment Report for the Lakeview Stewardship CFLRP. Technical Report. Southwest Ecological Restoration Institute. 21p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1192/rec/1>
3. Snitker, A., T. Beeton, N. vonHedemann, **M. Colavito**, T. Teel, C. Huayhuaca, and A. Cheng. 2023. CFLRP Collaborative Governance Assessment Report for the Dinkey CFLRP. Technical Report. Southwest Ecological Restoration Institute. 35p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1187/rec/1>
4. Snitker, A., C. Huayhuaca, Beeton, T., N. vonHedemann, **M. Colavito**, T. Teel, and A. Cheng. 2023. CFLRP Collaborative Governance Assessment Report for the Shortleaf-Bluestem Community CFLRP. Technical Report. Southwest Ecological Restoration Institute. 19p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1181/rec/5>
5. **Colavito, M.** 2023. Four Forest Restoration Initiative Digital Timber Sale Manager Pilot Project: FY22 Progress Report from the Ecological Restoration Institute. Ecological Restoration Institute, Northern

Arizona University. 14p. Online:

<https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1170/rec/3>

6. Beeton, T., A. Snitker, N. vonHedemann, **M. Colavito**, T. Teel, C. Huayhuaca, and A. Cheng. 2023. CFLRP Collaborative Governance Assessment Report for the Rio Chama CFLRP. Technical Report. Southwest Ecological Restoration Institute. 37 p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1174/rec/1>.
7. Beeton, T., M. Caggiano, **M. Colavito**, and C. Huayhuaca. 2022. Use of Risk Management Assistance During the 2021 Fire Season. Southwest Ecological Restoration Institute Technical Report. 29p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1152/rec/1>
8. Beeton, T., A. Snitker, **M. Colavito**, and T. Cheng. 2022. CFLRP Collaboration Assessment Report for the Northern Blues CFLRP. Southwest Ecological Restoration Institute Technical Report. 30p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1150/rec/6>
9. **Colavito, M.** 2022. Four Forest Restoration Initiative Digital Timber Sale Manager Pilot Project: FY21 Progress Report from the Ecological Restoration Institute. Ecological Restoration Institute, Northern Arizona University. 49p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1145/rec/1>.
10. **Colavito, M.** 2021. Four Forest Restoration Initiative Digital Timber Sale Manager Pilot Project: Progress Report from the Ecological Restoration Institute. Ecological Restoration Institute, Northern Arizona University. 7p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1092/rec/14>.
11. Stortz, S., and **M. Colavito**. 2021. Wood for Life: A Tribal Firewood Partnership in Northern Arizona. Ecological Restoration Institute, Northern Arizona University. 7p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1084/rec/13>.
12. **Colavito, M.** 2020. The Role of Risk Management Prioritization Decision Support Tools: An Overview of Barriers, Facilitators, and Recommendations. Ecological Restoration Institute, Northern Arizona University. 49p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1078/rec/11>.
13. Vosick, D., and **M. Colavito**. 2020. Modernizing 4FRI Implementation: Progress After Two Years Workshop Final Report. Ecological Restoration Institute, Northern Arizona University, 22p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1028/rec/1>.
14. **Colavito, M.** 2019. Assessment of Community Wildfire Protection Plans (CWPP) in Arizona and Communities-at-Risk throughout the West Project Report. Ecological Restoration Institute, Northern Arizona University, 34p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/1018/rec/1>.
15. **Colavito, M.**, T. Wasserman, and D. Vosick. 2018. All-lands planning, coordination, and wildfire risk reduction project report. Ecological Restoration Institute, Northern Arizona University, 54p. Online: <https://cdm17192.contentdm.oclc.org/digital/collection/p17192coll1/id/913/rec/2/>.
16. **Colavito, M.** 2014. Fostering Resilience in Southwestern Ecosystems: Workshop evaluation report. Results from Post-Workshop Interviews. Submitted to the Southwest Fire Science Consortium, 11p.
17. Apel, M., I. Patten, and **M. Colavito**. 2012. Renewable energy opportunities summary report. *University of Arizona Cooperative Extension*, 16p.
18. **Colavito, M.** 2010. Mt. Lemmon geographic information systems manual. Submitted to the Mt. Lemmon GIS Group, 56p.

Conference Proceedings

1. **Colavito, M.** 2015. Enhancing scientist-manager relationships to foster ecosystem resilience. In Keane, R.E., Jolly, M., Parsons, R., Riley, K. (eds.). *Proceedings of the large wildland fires conference*;

- May 19-23, 2014; Missoula, MT. Proc. RMRS-P-73. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, pp. 269-272.
2. **Colavito, M.** 2015. Connecting science and decision-making in wildland fire management. In *Proceedings of the 13th International Wildland Fire Safety Summit & 4th Human Dimensions of Wildland Fire Conference*, pp. 132-140.
 3. **Colavito, M.**, E. Glenn, M. Apel, and I. Patten. 2011. LUCIS modeling for renewable energy in Cochise County, AZ. In *International ESRI User Conference Proceedings*.
 4. **Colavito (nee Meyers), M.**, G. Christopherson, and G. Buettner. 2010. Developing GIS in small communities for wildfire protection plans. In *International ESRI User Conference Proceedings*.

Other Publications

1. Edgeley, C., and **M. Colavito**. February 18, 2021. Maintaining Momentum: Nurturing Public Support for Forest Management After Fire. Fire Adapted Communities Learning Network Blog. Available online: <https://fireadaptednetwork.org/maintaining-momentum/>.

PROFESSIONAL PRESENTATIONS

Conference Presentations (*indicates presenter when relevant)

1. **Colavito, M.**, T. Beeton, T. Aldworth, N. vonHedemann, C. Huayhuaca, S. Franz, M. Caggiano. 2023. *Assessing the Risk Management Assistance Dashboard Use in Wildfire Response*. Association for Fire Ecology Fire Congress. Monterey, CA, December 6, 2023.
2. vonHedemann, N., T. Aldworth, **M. Colavito**, T. Beeton, and M. Caggiano. *New approaches to managing large-scale wildfire: the U.S. Forest Service's Risk Management Assistance dashboard*. International Association for Society and Natural Resources, Portland, ME, June 2023.
3. Snitker, A., T. Beeton, **M. Colavito**, N. vonHedemann, T. Teal, and T. Cheng. *Designing an assessment of collaboration: Evaluating collaboration in the Collaborative Forest Landscape Restoration Program*. International Association for Society and Natural Resources, Portland, ME, June 2023.
4. **Colavito, M.***, E. Hjerpe, C. Edgeley, J. Burnett, A. Sánchez Meador, T. Combrink., and D. Vosick. *Full Cost Accounting Remeasurement of the 2010 Schultz Fire*. International Conference of COFE-FETEC, Flagstaff, AZ, May 2023.
5. Edgeley, C.*, **M. Colavito**, and M. Benning. *Navigating Post-Fire Environments: Resident Experiences Following the 2019 Museum Fire, AZ*. Society of American Foresters National Convention, Providence, RI, [Online due to COVID-19], October 2020.
6. **Colavito, M.** *Assessment of Community Wildfire Protection Plans in Arizona and the Western U.S.* Association of Pacific Coast Geographers Annual Meeting, Flagstaff, AZ, October 2019.
7. **Colavito, M.** *The Role of Community Wildfire Planning in Changing Forests: Assessment of Community Wildfire Protection Plans in Arizona and the West*. North American Forest Ecology Workshop, Flagstaff, AZ, June 2019.
8. Satink Wolfson*, B., **M. Colavito**, A. Thode, C. Haffey, and C. Kimball. *Using Art to Communicate about Fire Science and Management in a Changing Climate: Evaluation Results from an Art Exhibit in Arizona*. North American Forest Ecology Workshop, Flagstaff, AZ, June 2019.
9. Trainor, S.*, A. York, R. Jandt, R. Zeil, and **M. Colavito**. *Fire on Ice: Boundary Spanning and Disaster Diplomacy in Wildfire Science and Management in Alaska*. American Geophysical Union Fall Meeting 2018, Washington D.C., December 2018.

10. **Colavito, M.**, and T. Wasserman. *Lessons Learned Communicating Science for All-Lands Planning, Coordination, and Wildfire Risk Reduction*. 2018 Society of American Foresters National Convention, Portland, OR, October 2018.
11. **Colavito, M.**, T. Wasserman, M. Hamilton, A. Ager, and T. Quigley. *Network Perspectives on Risk Assessment: Applications of Wildfire Transmission Networks and Collaborative Networks for Implementing the Cohesive Strategy*. 2nd Annual National Cohesive Wildland Fire Management Strategy Workshop, Reno, NV, March 2018.
12. **Colavito, M.** *Assessment of the Application of Climate Information in Wildfire Management and Decision-Making in Alaska*. Climate Predictions and Applications Science Workshop, Anchorage, AK, May 2017.
13. **Colavito, M.** *The Role of Science in Collaborative Forest Restoration: A Case Study of the USDA Forest Service's Collaborative Forest Landscape Restoration Program*. 13th Biennial Conference of Science & Management on the Colorado Plateau and Southwest Region, Flagstaff, AZ, October 2015.
14. **Colavito, M.** *Connecting Science and Decision-Making in Wildland Fire Management*. IAWF Managing Fire, Understanding Ourselves: Human Dimensions in Safety and Wildland Fire Conference, Boise, ID, April 2015.
15. **Colavito, M.** *Enhancing Scientist-Manager Relationships to Foster Ecosystem Resilience*. Large Wildland Fires Conference, Missoula, MT, May 2014.
16. **Colavito, M.** *Science and Collaboration in Forest Restoration*. Association of American Geographers Annual Meeting, Los Angeles, CA, April 2013.
17. **Colavito, M.**, M. Apel, I. Patten, and E. Glenn. *Modeling Land Use Suitability for Renewable Energy Development in Arizona*. Association of American Geographers Annual Meeting, New York City, NY, February 2012.
18. Patten*, I., M. Apel, and **M. Colavito**. *From Shapefiles to Megawatts: Evaluating Land Use Suitability for Renewable Energy Alternatives*. Arizona Planning Association Meeting, Tucson, AZ, September 2011.
19. **Colavito, M.**, I. Patten, M. Apel, and E. Glenn. *LUCIS Modeling for Renewable Energy in Cochise County, AZ*. ESRI International User's Conference, July 2011, San Diego, CA, July 2011.
20. **Colavito (nee Meyers), M.**, G. Christopherson, and G. Buettner. *Developing GIS in Small Communities for Wildfire Protection Plans*. ESRI International User's Conference, San Diego, CA, July 2010.

Webinars

1. **Colavito, M.**, C. Edgeley, and N. vonHedemann. *Public Experiences and Perceptions with Wildfire and Flooding, A Case Study of the 2019 Museum Fire*. Southwest Fire Science Consortium, Flagstaff, AZ, May 11, 2023. Online: <https://www.swfireconsortium.org/2023/04/18/public-experiences-wildfire-and-flooding/>.
2. **Colavito, M.**, E. Hjerpe, and C. Edgeley. *Full-Cost Accounting Remeasurement of the 2010 Schultz Fire: Understanding the Long-term Socio-Economic Implications of High-Severity Wildfire and Post-Wildfire Flooding*. Southwest Fire Science Consortium, Flagstaff, AZ, December 7, 2021. Online: <https://www.frames.gov/catalog/64874>.
3. **Colavito, M.** *The Role of Risk Management Prioritization Decision Support Tools*. Southwest Fire Science Consortium, Flagstaff, AZ, December 8, 2020. Online: <https://www.frames.gov/catalog/62450>.

4. **Colavito, M.** *Assessment of Community Wildfire Protection Plans (CWPPs) in Arizona and the Western U.S.* Southwest Fire Science Consortium, Flagstaff, AZ, November 13, 2019. Online: <https://www.youtube.com/watch?v=ALZ7Z06Xkqk&feature=youtu.be>.
5. **Colavito, M.** *Assessment of the Application of Climate Information in Wildfire Management in Alaska: Experiences from the Alaska Fire Science Consortium.* Alaska Center for Climate Assessment and Policy, Fairbanks, AK, October 24, 2017. Online: <https://www.frames.gov/catalog/25099>.
6. **Colavito, M.** *Connecting resilience science with decision-making: Guidelines for the effective development and application of scientific information.* Southwest Fire Science Consortium, Flagstaff, AZ, July 2015. Online: <https://youtu.be/iM01H-ABUks>.

Invited Presentations (*indicates presenter when relevant)

1. Waltz, A., **M. Colavito**, M. McGrath, and N. Chapman. *Healthy Forests and a Fire Adapted Flagstaff.* Presentation for the Flagstaff Festival of Science. September 25, 2023.
2. **Colavito, M.**, C. Edgeley, and N. vonHedemann. *Recent Social Science Findings from Arizona.* Presentation to the Four Forest Restoration Initiative Stakeholder Group. June 28, 2023.
3. Smith, M., **M. Colavito**, D. Jones, and J. Durglo. *Cohesive Strategy Addendum Prioritized Implementation Challenge: Use of Proactive Fire.* Presentation to the Wildland Fire Leadership Council, Washington, D.C. June 6, 2023.
4. Beeton, T., **M. Colavito***, M. Caggiano*, and C. Huayhuaca. *Risk Management Assistance on 2021 wildfires: An In-depth After Action Review.* Presentation to the Forest Service Rocky Mountain Research Station Wildfire Risk Management Science Team. September 6, 2022.
5. Beeton*, T., **M. Colavito***, M. Caggiano*, and C. Huayhuaca. *Risk Management Assistance on 2021 wildfires: An In-depth After Action Review.* Presentation to the Forest Service Washington Office Risk Management Assistance Leadership Team. July 28, 2022.
6. Beeton*, T., **M. Colavito***, T. Cheng, and A. Snitker. *CFLRP National Core Monitoring Strategy – Collaboration Indicator for Northern Blues All Lands Restoration Partnership.* Presentation to the Northern Blues All Lands Restoration Partnership. May 4, 2022.
7. **Colavito, M.** *Lessons Learned and Recommendations for Using Decision Support Tools in Forest and Fire Management.* Presentation to the Arizona Geographic Information Council. [Online due to COVID-19], April 28, 2021.
8. **Colavito, M.** *Lessons Learned and Recommendations for Developing and Applying Pre-Fire Planning Tools.* Presentation to the USDA Forest Service National Potential Operational Delineations: Collaborative Fire Planning Workshop. [Online due to COVID-19], February 24, 2021.
9. **Colavito, M.** *Assessment of Community Wildfire Protection Plans (CWPP) in Arizona and the Western U.S.* Presentation to the Greater Flagstaff Forests Partnership Board, Online, August 2020.
10. **Colavito, M.** *Assessment of Community Wildfire Protection Plans (CWPP) in Arizona and the Western U.S.* Presentation to the Fire Adapted Communities Learning Network, Online, July 2020.
11. Edgeley*, C., and **M. Colavito**. *Public Experiences with the Museum Fire.* Presentation to the Greater Flagstaff Forest Partnership, Flagstaff, AZ, July 2020.
12. Edgeley, C.*, and **M. Colavito**. *Resident Experience with the Museum Fire: Survey Findings.* Presentation to the Ponderosa Fire Advisory Council, Flagstaff, AZ, April 2020.
13. **Colavito, M.** *Assessment of Community Wildfire Protection Plans (CWPP) in Arizona and the Western U.S.* Presentation to the Arizona Department of Forestry and Fire Management, Phoenix, AZ, January 2020.
14. **Colavito, M.** *Assessment of Community Wildfire Protection Plans (CWPP) in Arizona and the Western U.S.* Brown Bag Seminar, USDA Forest Service Yates Building, Washington, D.C., November 2019.

15. **Colavito, M.** *Co-Production of Science: Lessons from Social Science Literature*. In “Producing Science that Makes a Difference: Perspectives from Scientists and Managers” session. Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, Flagstaff, September 2019.
16. **Colavito, M.**, B. Esch, and A. Waltz. *Management and Policy Implications of the Collaborative Forest Landscape Restoration Program*. Presentation at the Forestry Graduate Student Association Seminar Series, NAU, Flagstaff, April 2018.
17. **Colavito, M.** *Use of Scientific Information to Inform Decision-Making*. Presentation at the Collaborative Forest Restoration Symposium, Tallahassee, Florida, November 2017.
18. **Colavito, M.**, and S. Trainor. *Assessment of the Application of Climate Information in Wildfire Management and Decision-Making in Alaska*. Presentation at the Alaska Center for Climate Assessment and Policy Annual Steering Committee Meeting, Anchorage, AK, September 2016.
19. **Colavito, M.**, and S. Trainor. *Assessment of the Application of Climate Information in Wildfire Management and Decision-Making in Alaska*. Presentation at the NOAA Regional Sciences and Assessments (RISA) Meeting, Tucson, AZ, February 2016.
20. **Colavito, M.**, I. Patten, M. Apel, and E. Glenn. *From Shapefiles to Megawatts: Modeling Land Use Suitability for Renewable Energy Alternatives*. Presentation at the Tucson Area GIS Cooperative Meeting, Tucson, AZ, September 2012.
21. **Colavito, M.**, M. Apel, I. Patten, and E. Glenn. *From Shapefiles to Megawatts: Modeling Land Use Suitability for Renewable Energy Development*. Presentation at the Energy Specialty Group Colloquium, Department of Chemistry and Biochemistry, UA, Tucson, AZ, April 2012.

Testimonies and Hearings

1. **Colavito, M.** *Full-Cost Accounting Remeasurement of the 2010 Schultz Fire: Understanding the Long-term Socio-Economic Implications of High-Severity Wildfire and Post-Wildfire Flooding*. Presentation to the Arizona State Legislature Forest and Wildfire Management Ad Hoc Committee, Phoenix, Arizona. November 11, 2022. Online: <https://www.azleg.gov/videoplayer/?eventID=2022111003>

Campus Seminars and Guest Lectures

1. **Colavito, M.** *The Role of Science in Collaborative Natural Resource Management*. Guest lecture to the Natural Resources Policy Seminar (junior and senior sections), School of Forestry, NAU, Flagstaff, AZ, February 2023.
2. **Colavito, M.** *The Role of Science in Collaborative Natural Resource Management*. Guest lecture to the Natural Resources Policy Seminar, School of Forestry, NAU, Flagstaff, AZ, March 2022.
3. **Colavito, M.** *Assessment of Community Wildfire Protection Plans (CWPP) in Arizona and the Western U.S.* Guest lecture to the Forestry in the Wildland Urban Interface Seminar, School of Forestry, NAU, Flagstaff, AZ, March 2022.
4. **Colavito, M.** *Decision Support Tools in Forest and Fire Planning*. Guest lecture to Forest Planning Seminar, University of Montana [Online], April 7, 2021.
5. **Colavito, M.** *The Role of Science in Collaborative Natural Resource Management*. Guest lecture to the Natural Resources Policy Seminar, School of Forestry, NAU, Flagstaff, AZ, March 2021.
6. **Colavito, M.** *Assessment of Community Wildfire Protection Plans (CWPP) in Arizona and the Western U.S.* Guest lecture to the Forestry in the Wildland Urban Interface Seminar, School of Forestry, NAU, Flagstaff, AZ, March 2021
7. **Colavito, M.**, and A. Waltz. *ERI Coffee Hour*. Guest lecture to the Natural Resource Policy Seminar, School of Forestry, NAU, Flagstaff, AZ, March 2020.

8. **Colavito, M.** *The Role of Science in Collaborative Natural Resource Management*. Guest lecture to the Natural Resources Policy Seminar, School of Forestry, NAU, Flagstaff, AZ, May 2019.
9. Vosick, D., and **M. Colavito**. *Accelerating Restoration Implementation*. Presentation to the Ecological Restoration Institute Lunch Meeting, NAU, Flagstaff, AZ, January 2019.
10. **Colavito, M.** *Collaboration in Natural Resource Management*. Guest lecture to the Natural Resources Policy Seminar, School of Forestry, NAU, Flagstaff, AZ, April 2018.
11. **Colavito, M.** and T. Wasserman. *Greater Prescott Area All-Lands Cross-Boundary Wildfire Risk Framework*. Presentation to the Ecological Restoration Institute Lunch Meeting, NAU, Flagstaff, AZ, January 2018.
12. **Colavito, M.** *Assessment of the Application of Climate Information in Wildfire Management and Decision-Making in Alaska*. Presentation to the Fire Lab Group, School of Forestry, NAU, Flagstaff, AZ, October 2016.
13. **Colavito, M.** *Co-Production and Boundary Organizations*. Presentation to the Human Dimensions of Forestry Group, School of Forestry, NAU, Flagstaff, AZ, September 2016.
14. **Colavito, M.** *Developing Your Own Academic Website*. Presentation to the Professional Development Seminar, School of Geography and Development, UA, Tucson, AZ, Multiple Presentations: April 2016, September 2014, and February 2014.
15. **Colavito, M.** *Research for Advanced Graduate Students*. Panel Participant for Geography 500 Research Design Class, School of Geography and Development, UA, Tucson, AZ, April 2014.
16. **Colavito, M.** *Land Use Suitability Modeling for Renewable Energy*. Speed talk given at the Institute of the Environment Grad Student Research Blitz, UA, Tucson, AZ, November 2011.
17. **Colavito, M.** *LUCIS Modeling for Renewable Energy in Cochise County, AZ*. Speed talk given at the Institute of the Environment Grad Student Research Blitz, UA, Tucson, AZ, February 2011.

Conference Symposia

1. **Colavito, M.**, and D. Huffman. *Managing wildfires for forest restoration on the Colorado Plateau and Southwest Region*. Organized conference symposia session and speakers at the Biennial Conference of Science and Management on the Colorado Plateau, Flagstaff, AZ, September 2022.

Poster Presentations

1. Barton, A., M. Caggiano, T. Cheng, **M. Colavito**, P. Dappen, D. Heusinkveld, A. Kimple, A. Sánchez Meador, B. Simmons, K. Withnall, and B. Wolk. *ReShape (Reshaping Wildfire and Fuels Treatment Information)*. Cross Boundary Landscape Restoration Workshop, Ft. Collins, CO, May 2023.
2. **Colavito, M.** *What if... We Could Help Communities Build Solar Energy Facilities?* Cats at the Capital Student Research Showcase, Phoenix, AZ, March 2013.
3. **Colavito, M.** *From Shapefiles to Megawatts: A GIS-Based Renewable Energy Opportunity Analysis for Rural Areas*. UA Student Showcase, Tucson, AZ, November 2012.
4. **Colavito, M.**, M. Apel, and I. Patten. *From Shapefiles to Megawatts: A GIS-Based Renewable Energy Opportunity Analysis for Rural Areas*. Arizona Geographic Information Council Annual Meeting, Prescott, AZ, October 2012.
5. **Colavito (nee Meyers), M.** *The Mt. Lemmon GIS Project*. Arizona Geographic Information Council Annual Meeting, Tucson, AZ, September 2009.

GRANTS RECEIVED

1. Infrastructure Wildfire and Treatment Effectiveness Mapping and Assessment, Andrew Sánchez Meador, U.S. Department of Agriculture Forest Service, \$16.47 million, August 2022.
2. SPARKIT – the Strategic Prioritization and Restoration toolkit for forest and woodlands of north-central Arizona, Andrew Sánchez Meador, Salt River Project, \$67,746, August 2022.

MEDIA COVERAGE

1. [Flagstaff Festival of Science: Officials and scientists to discuss forest restoration and wildfire at Coconino Center for the Arts](#) – Arizona Daily Sun, September 21, 2023.
2. [‘Pursue what you want, believe in yourself and push as many boundaries as you can’](#) – Northern Arizona University Communications, The NAU Review, February 6, 2023.
3. [Arizona officials to release 2022 report on wildfires](#) – Jorge Torres, ABC15 Arizona, November 29, 2022.
4. [Arizona House issues final report on wildfire, federal response investigation](#) – Ron Dungan, KJZZ, November 28, 2022.
5. [Arizona House Wildfire committee to hold final hearing](#) – KNAU Staff, KNAU Arizona Public Radio, November 15, 2022.
6. [Fire Part 3: Fire Is Not the Enemy](#) – Anthony Wallace, InHospitable Podcast, Hear Arizona KJZZ, August 30, 2022.
7. [Study of 12-year-old Schultz Fire suggests cost from newest fires will grow for years](#) – Michel Marizco, KJZZ Fronteras Desk, July 22, 2022.
8. [Lack of Loggers Is Hobbling Arizona Forest-Thinning Projects That Could Have Slowed This Year’s Devastating Wildfires](#) – Andrew Onodera, Inside Climate News, July 8, 2022.
9. [Tunnel Fire burning on Schultz burn scar prompting concerns about flooding](#) – Emma Lockhart, Arizona’s Family, April 20, 2022.
10. [How the Schultz Fire reveals long-term costs of big wildfires, from floods to habitat loss](#) – Zayna Syed, Arizona Republic, November 29, 2021.
11. [10 years later, researchers say Schultz Fire, flooding still impacting residents, governments](#) – Adrian Skabelund, Arizona Daily Sun, August 22, 2021.
12. [A need for creative forest management](#) – Guest opinion written with Sasha Stortz (NFF) in the Arizona Capitol Times, June 26, 2021.
13. Integrating art and science to communicate the social and ecological complexities of wildfire and climate change in Arizona, USA – Phil Saska and Jessica Alvarez, Blue Forest Newsletter, December 15, 2020.
14. [Recover or restore? Bill Williams project aims to prevent wildfires by thinning forests](#) – Anton Delgado, Arizona Republic, December 9, 2020.
15. [Scorched Earth: A look at Arizona’s active wildfire season – and what may lie ahead](#) – Rylee Kirk, Laura Kraegel, Maya Leachman, and Kimberly Silverio-Bautista, Cronkite Zine, December 3, 2020.
16. [New survey suggests some Flagstaff residents are confused about evacuation systems, based on Museum Fire](#) – Scott Buffon, Arizona Daily Sun, December 2, 2020.
17. [Burned acreage up sharply, as Arizona 2020 wildfire season winds down](#) – Claire Chandler, Cronkite News, November 12, 2020.
18. [Fire Ecology Chats: Episode 6](#) – Integrating Art and Science to Communicate the Social and Ecological Complexities of Wildfire and Climate Change in Arizona, USA – Bob Keane, Fire Ecology Chats, November 6, 2020.

19. [Fuel buildup puts Arizona communities at wildfire risk](#) – Ron Dungan, KJZZ, July 24, 2020.

PROFESSIONAL AWARDS AND HONORS

- **Flinn-Brown Fellow**, Arizona Center for Civic Leadership at the Flinn Foundation, 2023.
- **USDA Forest Service Chief's Award, Apply Knowledge Globally**, Wood for Life Partnership, Ecological Restoration Institute (Jon Martin, Melanie Colavito, Niki vonHedemann), 2022.
- **Outstanding Communicator Award**, Southwest Chapter of the Society of American Foresters, October 2022. *The Outstanding Communicator Award recognizes an SAF member who displays the ability, talent, and skill to lead innovative and exemplary communications initiatives and programs that increase the general public's understanding of forestry and natural resources.*

PROFESSIONAL TRAINING

- *Managing a Remote Workforce*, NAU Training 2020
- *The Speed of Trust*, NAU Workshop, 2020
- *Speak to Invite and Own the Limelight: A Crash Course on Inclusive Speaking*, NAU Training, 2020
- *Developing Resilience and Grit*, NAU Training, 2020
- *Starting with Strengths*, NAU Training, 2019
- *Intermediate Facilitation*, Southwest Decision Resources Training, Flagstaff, AZ 2019
- *Alan Alda Center for Communicating Science*, Workshop hosted at NAU, 2018
- *The Hidden Power of Emotions*, NAU Training, 2018
- *Survey Design Using Qualtrics*, NAU Training, 2018
- *Beginner Facilitation*, Southwest Decision Resources Training, Cottonwood, AZ, 2016
- *GIS Specialist (GISS) Trainee*, Southwest Type 2 Incident Management Team #4, Arizona State Forestry, 2014

PROFESSIONAL SERVICE

Peer Review of Manuscripts

- *Conservation Biology*, 2022
- *Environmental Management*, 2023
- *Environmental Science and Policy*, 2023
- *Fire Ecology*, 2022
- *Forests*, 2021
- *Humboldt Journal of Social Relations*, 2018
- *International Journal of Disaster Risk Reduction*, 2022, 2023
- *International Journal of Wildland Fire*, 2016, 2021, 2023
- *Journal of Forestry*, 2018, 2020, 2021
- *Society and Natural Resources*, 2018
- *Trees, Forests, and People*, 2021
- *Weather, Climate, and Society*, 2018, 2019

Graduate Students Advised

- *PhD Students:* Jack Burnett (NAU Forestry), William Cannon (NAU Forestry), Cara Caruolo (NAU Forestry), Tristan O'Mara (NAU Forestry)
- *Master's Students:* Scott Franz (NAU Forestry, 2023)

Other External Reviews

- *Reviewer,* Implementing Outcome-Based Performance Measures Aligned with the US Forest Service's Shared Stewardship Initiative, Ecosystem Workforce Program/ Rural Voices for Conservation Coalition Report, 2020
- *Reviewer,* USDA Forest Service Collaborative Forest Landscape Restoration Program (CFLRP), 10-Year Review, Level 2 Reports: Collaboration and Leverage Report and Community Benefits Report, 2020
- *Reviewer,* Joint Fire Science Program, Fire Science Exchange Network, 2020 Renewal Proposals, 2020

Volunteering or Support Roles

- *Wildfire Resilience Coalition (non-signing member),* 2023 - present
- *Northern Arizona Forest Fund Advisory Council Member,* 2021 – present
- *ERI Lunch/ Happy Hour Presentation Meeting Series Organizer,* ERI, NAU, 2017 – present
- *Federal Advisory Committee Technical Panelist Applicant,* New Mexico Collaborative Forest Landscape Restoration Program, 2019.
- *Student Volunteer,* Large Wildland Fires Conference, Missoula, MT, 2014
- *Student Volunteer,* Forest Health Funding Strategies Workshop, Scottsdale, AZ, 2014
- *Student Volunteer,* IAWF Managing Fire, Understanding Ourselves: Human Dimensions in Safety and Wildland Fire Conference Volunteer, Boise, ID, 2015
- *Workshop Planning and Student Volunteer,* "Fostering Resilience in Southwest Ecosystems: A Problem-Solving Workshop", Tucson, AZ, 2014
- *Website Development Committee,* UA School of Geography and Development, 2012 - 2013
- *Student Volunteer,* 2012 Southwest Climate Summit, Tucson, AZ, 2012

Professional Workshop and Meeting Participation

- *Participant,* Wildland Fire Leadership Council Meeting, Washington, DC, 2023.
- *Participant,* Aspen Institute – The Nature Conservancy Wildfire Resilience Summit, Jackson, WY, 2022
- *Panelist,* 2022 Flinn-Brown Academy: Growing Healthy Forests and Watersheds: Impact on Water Supply, Wildlife, and Wildfire Risk Reduction, Phoenix, AZ, 2022
- *Participant,* Outcome-Based Performance Measure Workshop, Portland, OR, 2022
- *Participant,* Ecosystem Resilience and Change in an Uncertain World Workshop, Center for Climate Adaptation Science and Solutions and Southwest Climate Adaptation Science Center, Online, 2020
- *Participant,* Rural Voices for Conservation Coalition Shared Stewardship Meeting, Missoula, MT, 2019
- *Presenter,* Arizona Chamber of Commerce Environmental Summit, ERI field trip, Flagstaff, AZ, 2019
- *Participant,* The New Common Rule Workshop, Institutional Review Board, NAU, Flagstaff, AZ, 2019
- *Participant,* Rural Voices for Conservation Coalition Annual Meeting, Santa Fe, NM, 2019
- *Participant,* LiDAR Symposium, School of Forestry, NAU, Flagstaff, AZ, 2018

- *Participant*, Arizona Wildland Urban Interface and Firewise Summit, Pinetop, AZ, 2018
- *Participant*, All Hands, All Lands Partners in Watershed Management Meeting, Prescott, AZ, 2017
- *Participant*, Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, Flagstaff, AZ, 2017
- *Participant*, Evaluating Co-Produced Climate Science: Developing Metrics and Measures Workshop, Desert Research Institute, Reno, NV, 2016
- *Participant*, Knowledge to Action: Connecting Climate Science and Resource Management Workshop, UA, Tucson, AZ, 2011

***you are here: the journal of creative geography*, UA School of Geography and Development**

- *Board Member and Submission Reviewer*, 2009 – 2010
- *Senior Editor*, 2008 – 2009
- *Editor* and 10-year Anniversary Celebration Planner, 2007 – 2008
- *Undergraduate Intern*, 2007

TEACHING EXPERIENCE

School of Geography and Development, UA

1. *Instructor of Record*, Field Methods in Environmental Geography, Summer 2013
2. *Lead Teaching Associate/ Lab Instructor/ Thesis Advisor*, Master of Science in Geographic Information Systems Technology (MS-GIST) Program, August 2012 – June 2013
3. *Instructor of Record*, Field Methods in Environmental Geography, Summer 2012
4. *Lab Instructor/ Teaching Assistant*, Geographic Applications of Remote Sensing, Spring 2009
5. *Lab Instructor/ Teaching Assistant*, Geographic Information Systems, Fall 2008
6. *Lab Instructor/ Teaching Assistant*, Computer Cartography, Spring 2008
7. *Lab Instructor/ Teaching Assistant*, Geographic Information Systems, Fall 2007

Certificate in College Teaching Program, Office of Instruction and Assessment, UA

1. *Teaching Observations (faculty and peer)*, 2012 - 2013
2. *Faculty Development Intern*, 2013

Other Teaching

1. *GIS Course Instructor*, Arizona Methods Workshop, Department of Sociology, UA, Tucson, AZ, January 2013
2. *Curriculum Writer*, Landscape Computer Applications, Art Center Design College (now Southwest University of Visual Arts), Tucson, AZ, 2010

GRADUATE RESEARCH EXPERIENCE (NON-DEGREE RELATED)

1. *Research Assistant*, Yavapai County Cooperative Extension and Regional Center for Sustainable Economic Development, UA, 2010 – 2012
2. *GIS Certificate Practicum*, Mt. Lemmon GIS Project, Center for Applied Spatial Analysis, UA, 2009
3. *Research Assistant*, Mt. Lemmon GIS (MLGIS) Project and Catalina Rincon FireScope Project, Center for Applied Spatial Analysis, UA, 2008 – 2009

4. *Research Assistant*, European Study Group and Rocky Mountain European Scholars Consortium, UA, 2008
5. *Research Assistant*, “New Perspectives on Federal Economic Development Policies” Project, School of Geography and Development, UA, 2008

GRADUATE AWARDS AND HONORS

1. Louise Foucar Marshall Foundation Graduate Fellowship, UA Marshall Foundation (\$10,788 and two semesters of graduate tuition), 2015
2. Travel, Research, and Educational Experience (TREE) Grant, Association for Fire Ecology and the Joint Fire Science Program (\$400), 2014
3. Summer Research Award, Redd Center for Western Studies, Brigham Young University (\$1300), 2013
4. Graduate Student Travel Award, Institute of the Environment, UA, (\$500), 2013
5. 1st Place Social Sciences and Law Division (Grad), UA Student Research Showcase (\$250), 2012
6. Tony Gonzales Scholarship, Arizona Geographic Information Council Symposium, Prescott, AZ (support to cover conference fees and lodging), 2012
7. James Buttery Graduate Award for GIS Remote Sensing, School of Geography and Development, UA, (\$1500), 2012
8. Conference Travel Grants, School of Geography and Development, UA, (6 grants, amounts varied), 2010 – 2015
9. Grad Research Blitz Honorable Mention, Institute of the Environment, UA (\$100), 2011
10. Women’s Network Travel Grant, Association of Pacific Coast Geographers (\$400), 2007

MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

- Association of American Geographers, 2011 – 2017
- Association for Fire Ecology, 2014 – present
- International Association of Wildland Fire, 2015 – 2019
- Society of American Foresters, 2015 – present

SKILLS

Proficiencies

- ArcGIS (Geographic Information Systems), advanced
- Microsoft Office, advanced
- NVivo (Qualitative Data Analysis), advanced
- Dedoose (Qualitative Data Analysis), intermediate
- Adobe Connect (webinars), advanced
- Qualtrics (Surveys), advanced
- ERDAS Imagine (Image Processing and Analysis), beginner
- MATLAB, beginner
- SPSS Statistics, beginner

Languages

- Spanish, intermediate
- Portuguese, beginner