

# Christopher Serenari

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## EDUCATION

**North Carolina State University**, Raleigh, North Carolina

*Ph.D.*, Forestry and Environmental Resources (FER), August 2014

College of Natural Resources (CNR)

Dissertation: *Conservation and development in Chilean Patagonia: Assessing value orientations, cultural truths, and rural change in the context of public and private protected areas*

**North Carolina State University**, Raleigh, North Carolina

*Master of Science*, May 2010

Field: Natural Resources (Parks, Recreation, and Tourism Management [PRTM])

College of Natural Resources

Master's Thesis: *Understanding environmentally significant behavior among guides in the Garhwal Himalaya, India*

**Bowling Green State University**, Bowling Green, Ohio

*Bachelor of Science*, December 2000

Major: Environmental Health

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## CURRENT POSITION

**Assistant Professor in Human Dimensions of Wildlife**, August 2018-Current  
Texas State University

## PAST RESEARCH EXPERIENCE

**Human Dimensions Specialist**, October 2014-August 2018

North Carolina Wildlife Resources Commission (WRC)

Charged with designing and administering all human dimensions research involving humans and wildlife in the state; Example projects include a mixed-method study of 5-county citizen perspectives about red wolves and coyotes and a county-level study of hunters' decision-making about altered deer seasons; Provide social science expertise for WRC leadership; Serve as technical expert on NCSU graduate student-WRC projects, as well as for USFWS, SECAS, and AFWA projects; Collaborate with NCSU Fish and Wildlife faculty on service-learning projects for undergraduates; Supervise field research assistants.

**Research Assistant**, January 2014-August 2014

North Carolina State University

Assisted on USDA Conservation Innovation Grant to develop an ecosystem exchange system framework for species mitigation with an emphasis on market-based conservation in North Carolina.

**PI**, May 2013-August 2013

Led fieldwork at three sites in Los Rios, Chile on the local effects of large-scale private protected areas.

Directed team of (2) field research assistants and (5) transcribers

**Co-PI, August 2012-May 2013**

Conducted Tamango National Reserve visitor study for Chilean Forest Service. Collaborated with resident researcher at El Centro de Investigación en Ecosistemas de la Patagonia in Aysén (Region XI)

**USDA National Needs Fellow, August 2012-August 2013**

North Carolina State University

Led data collection and analysis for woody biomass harvesting guidelines study, collecting the perspectives of over 2000 forest professionals and landowners in the southeast U.S.

**Co-PI, IMAGINE Research Abroad Program, South Africa, May 2012-June 2012**

North Carolina State University

Co-led team of students and faculty from U.S. and South Africa to collect data on perceptions of traditional and formal water governance in HaMakuya, South Africa

**Research Assistant, January 2012-August 2012**

North Carolina State University

Assisted with: preparation and roll out of a NSF and Joint Fire Science Program project on relational risk assessment and management; USFS post-fire research framework and protocol development; data collection for the Regional Readiness Cooperative prescribed fire project to restore over 5 million acres of longleaf pine forests; data collector for North Carolina environmental education plan survey

**Research Assistant, August 2009-May 2011**

North Carolina State University, Parks, Recreation, and Tourism Management

Assisted with System for Observing Play and Leisure Activity in Youth (SOPLAY) and the National Hockey League's Hockey is for Everyone programs. Duties included data entry and focus group transcribing. Also charged with data collection for middle school joint-use study

**Graduate Assistant/Technical Consultant, August 2009-May 2010**

North Carolina State University, Parks, Recreation, and Tourism Management

Served as the database consultant for 50 states participating in a state park director's annual information exchange funded by the National Association of State Park Directors; prepared and distributed the 2010 annual report

**PEER-REVIEWED PUBLICATIONS**

(\*student led; \*\*[former] postdoc led)

**2023**

1. **Serenari, C.**, & Rubino, E. 2023. Legitimacy and wildlife disease: Should chronic wasting disease be managed without government? *Journal of International Wildlife Law & Policy*. doi=10.1080/13880292.2023.2217614
2. \***Serenari, C.**, Pratt, E. N., Meeks, A., Rubino, E. C., & Daniel, K. L. In press. Potential for policy conflict among alligator hunters in Texas. *Human-Wildlife Interactions*.
3. Rubino, E. C., & **Serenari, C.** 2023. A family systems theory approach to hunters' chronic wasting disease-related perceptions and behaviors. *Human Ecology*. <https://doi.org/10.1007/s10745-023-00407-y>

**2022**

1. \*\*Rubino, E. C., & **Serenari, C.** 2022. Using latent profile analysis to evaluate preferences for chronic wasting disease management options among different hunter types. *Animals*, 12(20), 2751-2761.

2. \*Messick, J., **Serenari, C.**, Daniel, K., Idema, J. Bates, E., Crump, P., & Lute, M. 2022. Determinants influencing recruitment in the Houston toad programmatic Safe Harbor agreements. *Human Dimensions of Wildlife*, 27(5), 472-488.
3. \*\*Rubino, E. C., & **Serenari, C.** 2022. Landowner perceptions of and preferences for chronic wasting disease management. *Environmental Challenges*, 8. <https://doi.org/10.1016/j.envc.2022.100582>
4. \*Cavalier, R., Pratt, E., **Serenari, C.**, & Rubino, E. 2022. The human dimensions of crocodilians: A review. *Human Dimensions of Wildlife*, 27(4), 380-396.
5. KC, B, Min, J., & **Serenari, C.** 2022. Segmenting wildlife value orientations to mitigate human-wildlife conflict for ecotourism development in protected areas. *Tourism Planning & Development*, 19(4), 339-356.
6. \*\*Rubino, E. C., & **Serenari, C.** 2022. Using different migratory game bird hunter types to explore drivers of support for hunter recruitment, retention, and reactivation policies in North Carolina, USA. *Sustainability*, 14(7), 3830-3891.
7. \*\*Rubino, E. C., & **Serenari, C.** 2022. Texas stakeholders' knowledge and perceptions of chronic wasting disease risks: Implications for wildlife agency communications. *Human-Wildlife Interactions*, 16(1), 6-21 .
8. \*\*Rubino, E. C., & **Serenari, C.** 2022. Using the capabilities-opportunity-motivation-behavior (COM-B) system to conceptualize the legalization of Sunday migratory game bird hunting. *Journal of Rural Social Sciences*, 37(3), 1-14.

## **2021**

1. **Serenari, C.** 2021. Conservation reliance and its influence on hunter support for carnivore recovery. *Conservation Science and Practice*.
2. \*Cavalier, R. **Serenari, C.**, & Konur, D. 2021. Mapping micro-level decision-making for alligator management in North Carolina, 2. *Frontiers in Conservation Science*. <https://doi.org/10.3389/fcosc.2021.650339>
3. \*Messick, J., **Serenari, C.**, & Rubino, E. 2021. Determinants of endangered species conservation on private lands: A review of the literature. *Society and Natural Resources*, 34(7), 980-998.
4. \*\*Rubino, E. C., **Serenari, C.**, Othman, N., Ancrena, M., Sarjono, F., & Ahmad, E. 2021. Viewing Bornean human-elephant conflict through an environmental justice lens. *Human-Wildlife Interactions*, 14(3). <https://doi.org/10.26077/b316-c029>

## **2020**

1. **Serenari, C.** 2020. Reconsidering the role of the built environment in human-wildlife interactions. *People and Nature*. DOI: 10.1002/pan3.10163
- 2.\*\*Lute, M. **Serenari, C.** Drake, M. Peterson, M. N., Jenson, J., Belyea, C. Olfenbuttel, C. & White, M. 2020. Modelling urban socio-ecological drivers of human-carnivore coexistence. *Journal of Urban Ecology*, 6(1). <https://doi.org/10.1093/jue/juaa022>
3. **Serenari, C.** & Lute, M. L. 2020. Delegitimizing wolf recovery through discourse. *Society and Natural Resources*. <https://doi.org/10.1080/08941920.2020.1727593>
4. Peterson, M. N., **Serenari, C.**, Rodriguez, S. L., & Lee Jenni, G. D. 2020. Comparing personalities of self-identified cat colony caretakers and bird conservation professionals. *Human Dimensions of Wildlife*, 25(3), 296-299.

## **2019**

1. **Serenari, C.**, & Taub, M. 2019. Predicting the legitimacy of red wolf recovery in North Carolina. *Wildlife Biology*, <https://doi.org/10.2981/wlb.00454>

2. **Serenari, C.**, Shaw, J., Myers, R., & Cobb, D. 2019. Explaining deer hunter preferences for regulatory changes using choice experiments. *Journal of Wildlife Management*, 83(2), 446–456
3. \*Burke, C.R., Peterson, M.N., Sawyer, D., Moorman, C.E., **Serenari, C.**, & Pacifici, K. A 2019. A method for mapping hunting occurrence using publicly-available, geographic variables. *Wildlife Society Bulletin*, 43(3), 537-545.
4. \*Burke, C.R., Peterson, M.N., Sawyer, D., Moorman, C.E., **Serenari, C.**, Meentemeyer, R.K., & Deperno, C.S. 2019. Predicting private landowner hunting access decisions and hunter density. *Human Dimensions of Wildlife*. DOI: 10.1080/10871209.2018.1545147.5
5. \*Valdez, R.X., Drake, M.D., Burke, C.R., Peterson, M.N., **Serenari, C.**, & Howell, A. 2019. Predicting development preferences for fishing sites among diverse anglers. *Urban Ecosystems*, 22, 127-135.

## **2018**

1. **Serenari, C.**, Cobb, D.T., & Peroff, D. 2018. Using policy goals to evaluate large carnivore reintroduction: The case of the Red Wolf Recovery Program in North Carolina. *Human Dimensions of Wildlife*, 23, 459-475.
2. **Serenari, C.** & Peterson, M.N. 2018. Evaluating the cultural fit of hunting and angling among minority sportspersons in North Carolina. *Leisure Sciences*, 44(1), 22-35.

## **2017**

1. **Serenari, C.**, Peterson, M.N., Wallace, T., & Stowhas, P. 2017. Indigenous perspectives on private protected areas in Chile. *Natural Areas Journal*, 37(1), 98-107.
2. **Serenari, C.**, Peterson, M.N., Stowhas, P., & Wallace, T. 2017. Private protected areas, ecotourism development, and impacts on local people's well-being: A review from case studies in southern Chile. *Journal of Sustainable Tourism*. doi: 10.1080/09669582.2016.1178755
3. \*Clark, K.E., Cupp., K., Phelps, C.L., Peterson, M.N., Stevenson, K.T., & **Serenari, C.** 2017. Household dynamics of wildlife value orientations. *Human Dimensions of Wildlife*, 22(5), 483-491.

## **2016**

1. **Serenari, C.**, & Peterson, M.N. 2016. A sociopolitical perspective on illegal take of wildlife in the southeastern USA. *International Journal of Rural Criminology*, 3(1), 29-49.

## **2015**

1. **Serenari, C.**, Peterson, M.N., Stowhas, P., Leung, Y-F, Wallace, T., & Sills, E. 2015. Private development-based forest conservation in Patagonia: Comparing mental models and revealing cultural truths. *Ecology and Society*, 20(3). <http://dx.doi.org/10.5751/ES-07696-200304>
2. **Serenari, C.**, Peterson, M.N., Gale, T, & Fahlke, A. 2015. Relationships between value orientations and wildlife conservation policy preferences in Chilean Patagonia. *Human Dimensions of Wildlife*, 20(3), 271-279.
3. **Serenari, C.**, Peterson, M.N., Moorman, C.E., Cabbage, F.W., & Jervis, S.M. 2015. Application of choice experiments to determine stakeholder preferences for woody biomass harvesting guidelines. *Journal of Sustainable Forestry*, 34(4), 343-357.
4. **Serenari, C.**, Peterson, M.N., & Clark, B. 2015. Theorizing logger religion within the Pacific Northwest timber conflict. *Worldviews*, 19(3), 265-281.

## **2013**

1. **Serenari, C.**, & Leung, Y-F. 2013. Going global: Rethinking the cross-cultural transfer of minimal impact education programs in protected areas. *Journal of Park and Recreation Administration*, 31(2), 61–75.

2. **Serenari, C.**, Peterson, M.N., Bardon, R.E., & Brown, R.D. 2013. The impacts of the Great Recession on state natural resource extension programs. *Journal of Extension*, 51(4).

## **2012**

1. **Serenari, C.**, Leung, Y-F., Attarian, A., & Franck, C. 2012. Understanding environmentally significant behavior among whitewater rafting and trekking guides in the Garhwal Himalaya, India. *Journal of Sustainable Tourism*, 20(5), 757–772.

2. **Serenari, C.**, Bosak, K., & Attarian, A. 2013. Cross-cultural efficacy of American low-impact programs: A comparison between Garhwal guide beliefs on environmental behavior and American outdoor travel norms. *Tourism Management*, 34, 50–60.

## **Peer-reviewed Book Chapters**

1. **Serenari, C.**, & Bachman-Vargas, P. In Press. Values, conflicts, and narratives of private protected areas: The case of Tompkins conservation in Chilean Patagonia and Argentina. In T. Gale, A. Ednie, K. Bosak, & A. Adiego (Eds.), *Tourism and conservation-based development in the periphery: Lessons from Patagonia for a rapidly changing world*. Springer.

2. **Serenari, C.**, & Schlechte, W. 2023. Fish and wildlife agency transformation to meet the demands of a changing world. In W. Neal (Ed.), *Angler recruitment, retention, and reactivation: Influencing the future of fisheries and aquatic conservation*. American Fisheries Society.

## **PUBLISHED PROCEEDINGS**

Singh, D., F. Cabbage, N. Peterson, M. Lovejoy, J. Pope, S. Jervis, C. Serenari, A. Dube, & B. Hays. (2016, April). *A certainty program framework for market based conservation of longleaf pine conservation*. In G.E. Frey and P. Nepal, *Forest Economics and Policy in a Changing Environment: How Markets, Policy, and Climate Transformations Affect Forests*, p. 63-72.

## **REPORTS**

**Serenari, C.**, Rubino, E., & Loftin, N. 2021. *Public perceptions of chronic wasting disease in west Texas*. San Marcos, TX: Texas State University.

Messick, J., Lute, M., **Serenari, C.**, Idema, J., Daniel, K., Covington, B., Payne, G., & Forstner, M. 2019. *Investigating determinants influencing recruitment into Houston toad safe harbor agreements*. San Marcos, TX: Texas State University.

**Editor/Acknowledgment of Support:** Responsive Management, Inc. 2018. *North Carolina migratory bird hunters' and the general public's opinions on and attitudes toward the hunting of migratory birds on Sunday in North Carolina*. Harrisonburg, VA.

Shaw, J., **Serenari, C.**, Myers, R., & Cobb, D. 2017. *North Carolina Deer Hunting and Management Survey*. Raleigh: North Carolina Wildlife Resources Commission.

**Editor/Acknowledgment of Support:** Responsive Management, Inc. 2016. *Albemarle Peninsula Residents' Perspectives and Views on Coyote and Red Wolf Management*. Harrisonburg, VA.

Singh, D., Pope, J., Cubbage, F., Peterson, N., Jarvis, S., **Serenari, C.**, & Glenn, V. 2016. *Determine Certainty Program Framework of a Market Based Conservation Initiative for Longleaf Pine Habitat Improvements in Eastern North Carolina*. Raleigh, NC: North Carolina State University.

National Association of State Park Directors. 2013. Leung, Y-F., Miller, A., & **Serenari, C.** *Statistical Report of State Park Operations in the U.S.: 2012-2013*. Raleigh, NC: North Carolina State University.

Corporación Nacional Forestal. 2013. Gale, T. Fahlke, A., & **Serenari, C.** *Recopilación de Datos y Opiniones acerca de la Reserva Nacional Tamango – Base para un Plan de Uso Público*. Coyhaique, Chile: Centro de Investigación en Ecosistemas de la Patagonia.

Burke, C., Steelman, T., & **Serenari, C.** 2012. *Synthesis report: Current work on prescribed fire related to longleaf pine restoration*. Raleigh, NC: North Carolina State University, Regional Readiness Cooperative.

National Association of State Park Directors. 2009. Leung, Y-F., Siderelis, C., & **Serenari, C.** *Statistical Report of State Park Operations in the U.S.: 2008-2009*. Raleigh, NC: North Carolina State University

## **PROFESSIONAL PRESENTATIONS AND POSTERS**

### *Invited*

Panelist. Texas Parks and Wildlife Department. (December 6, 2022). Chronic wasting disease symposium. Austin state capitol, Texas.

Rubino, E. & **Serenari, C.** (October 2021). Improving CWD stakeholders' perceptions and engagement through a strategic communications plan. Southeastern Association of Fish and Wildlife Agencies Conference.

**Panelist.** American Association for the Advancement of Science. Dialogues on Science, Ethics, and Religion. Conversations on The Social Impacts of Science and Emerging Technologies, Part 1: Ecology and Ethics. November 9, 2018, Texas State University. San Marcos.

**Serenari, C.** (2018, August 7). Making connections between red wolves and human well-being: Preparing for the next phase of red wolf recovery, Presented at the SCBI Red Wolf Recovery Workshop. Front Royal, VA.

**Serenari, C.** (2018, July 23-25). The social dimensions of red wolf recovery. Presented at the 2018 Red Wolf Species Survival Plan Meeting. Little Rock, AR.

Panelist. **Serenari, C.**, M.N. Peterson, P. Stowhas, T. Wallace, Y-F. Leung, & E. Sills. (2014, March). Imagined Nature and Environmentalism in Patagonia. *Assessing cultural difference in the context of Patagonian large-scale private protected area conservation and development*. Paper presented at the Association of American Geographers Conference, Tampa, FL.

**Serenari, C.**, M.N. Peterson, R. Bardon, & R. Brown. (2012, May). Invited Plenary Session: *The impacts of the Great Recession on state natural resource extension programs*. Paper presented at the 8th Association of Natural Resource Extension Professionals Conference, Hendersonville, NC.

*Additional*

Panelist and Chair. (May 2023). *Governing Wildlife in the 21<sup>st</sup> Century*. Pathways: Human Dimensions of Wildlife. Fort Collins, CO.

**Serenari, C.**, & Rubino, E. (May 2023). *Legitimacy and wildlife disease: Should chronic wasting disease be managed without government?* Pathways: Human Dimensions of Wildlife. Fort Collins, CO.

\*Messick, J., **Serenari, C.**, Rubino, E.C., Weckerly, B., Daniel, K. (May 2023). *Incorporating Landowner Values into Communications Improves Conservation Outcomes*. Pathways: Human Dimensions of Wildlife. Fort Collins, CO.

\*Messick, J., **Serenari, C.** (2022, July 16). *Investigating Landowner Participation in Endangered Species Programs*. Presented at the annual meeting of the Texas Wildlife Association.

Rubino, E., & **Serenari, C.** (November 2021). *Risk Perceptions of CWD in Texas Across Host Species and Compared to Other Wildlife Diseases*. The Wildlife Society's 2021 Virtual Annual Conference.

**Serenari, C.**, & Schlechte, W. (November 2021). *Fish and Wildlife Agency Transformation to Adapt to a Changing World*. The Wildlife Society's 2021 Virtual Annual Conference.

\*Messick, J., **Serenari, C.**, Daniel, K., Idema, J. Bates, E., Crump, P., & Lute, M. 2021. (November 2021). *Determinants influencing recruitment in the Houston toad programmatic safe harbor agreement*. The Wildlife Society's 2021 Virtual Annual Conference.

KC, B. Min, E. Hoogendoorn, G., & **Serenari, C.** (January 21, 2021). *The importance of wildlife value orientations for ecotourism development*. North East Chapter of the Travel & Tourism Research Association.

Rubino, E.C., **Serenari, C.**, Othman, N., & Ancrenaz, M. (2020, pre-recorded). *Exploring human-elephant conflict in Sabah, Malaysia, using an environmental justice lens*. Paper presented at the (virtual) proceedings of the 27th Annual Meeting of The Wildlife Society.

Messick, J., **Serenari, C.**, Lute, M. L., & Daniel, K. L. (2020, February 15). *Determinants of private landowner participation in endangered species conservation: A comprehensive review and analytical framework*. Presented at the annual meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, TX.

Messick, J., **Serenari, C.**, Lute, M. L., Daniel, K. L., & Idema, J. (2020, February 15). *Determinants of private landowner participation in Houston Toad Safe Harbor Agreements*. Presented at the annual meeting of the Texas Chapter of The Wildlife Society. Corpus Christi, TX.

Cavalier, R.M., Pratt, E. N. **Serenari, C.** (2020, February 14). *Connections between human, crocodilian, and wetland systems: A comprehensive review of literature*. Paper presented at the 56<sup>th</sup> Annual Meeting of the Texas Chapter of The Wildlife Society, Corpus Christi, TX.

**Serenari, C., & Taub, M.** (2019, October 1). *Predicting the legitimacy of red wolf recovery in North Carolina*. Paper presented at the proceedings of the 26th Annual Meeting of The Wildlife Society, Reno, NV.

**Serenari, C. & Lute, M. L.** (2019, September 23) *Language is power, language is legitimation: The role of counter-discourse coalitions in resistance to wolf recovery*. Paper presented at the 2019 Pathways: Human Dimensions of Wildlife Conference, Estes Park, CO.

Lute, M., **Serenari, C.**, Drake, M., Peterson, N. & Belyea, C. (2019, September 24) *Coexistence with an urban carnivore*. Paper presented at the 2019 Pathways: Human Dimensions of Wildlife Conference, Estes Park, CO.

Covington, B., K.L. Daniel, G. Payne, J. Messick, & **Serenari, C.** (2019, May). *Using a social media campaign to boost the visibility of endangered toad conservation*. Poster presented at the annual meeting of the Society for Freshwater Sciences, Salt Lake City, UT.

**Serenari, C.**, D. Cobb, & D. Peroff. (2017, September). Using policy goals to evaluate large carnivore reintroduction: The case of the Red Wolf Recovery Program on the Albemarle Peninsula, North Carolina. Paper presented at the 2017 Pathways: Human Dimensions of Wildlife Conference, Estes Park, CO.

**Serenari, C.**, J. Shaw, R. Myers, & D. Cobb. (2017, September). *Using choice experiments to inform changes to deer hunting seasons*. Paper presented at the 2017 Pathways: Human Dimensions of Wildlife Conference, Estes Park, CO.

Clark, K. E., Cupp, K., Phelps, C. L., Peterson, M. N., Stevenson, K. T., & **Serenari, C.** (2017, June). *Evaluating the household dynamics of wildlife value orientations*. Presentation at the 2017 International Symposium on Society and Resource Management. Umeå, Sweden.

**Serenari, C.** (2016, October). *The sociopolitical dimensions of red wolf and coyote management: The case from the Albemarle Peninsula, North Carolina*. Paper presented at the proceedings of the 23rd Annual Meeting of The Wildlife Society, Raleigh, NC.

Burke, C.R., M.N. Peterson, C.E. Moorman, D.T. Sawyer, **C. Serenari**, R.K. Meentemeyer, & C.S. DePerno. (2016, October). *Predicting private landowner hunting access decisions: Implications for hunter density and distribution*. Paper presented at the proceedings of the 23rd Annual Meeting of The Wildlife Society, Raleigh, NC.

Drake, M.D., E. H. Griffith, C.E. Moorman, C.S. DePerno, C. Olfenbuttel, **C. Serenari**, & M.N. Peterson. (2016, October). *Urbanites, urban hunters, and urban coyotes: Differing perceptions of carnivores in urban areas*. Paper presented at the Proceedings of the 23rd Annual meeting of The Wildlife Society, Raleigh, NC.

Valdez, R. X, M. Drake, C. Burke, N. Peterson, **C. Serenari**, & A. Howell. (2016, October). *Who wants more development? Predicting anglers' preferences for developed fishing sites*. Paper presented at the Proceedings of the 23rd Annual Meeting of The Wildlife Society, Raleigh, NC.



Bogges, M., M. Turner, M. Drake, N. Peterson, **C. Serenari**, & C. Olfenbuttel. (2016, October). *Varying coyote perceptions within the hunting community*. Poster presented at the Proceedings of the 23rd Annual Meeting of The Wildlife Society, Raleigh, NC.

Singh, D., F. Cabbage, N. Peterson, M. Lovejoy, J. Pope, S. Jervis, **C. Serenari**, A. Dube, & B. Hays. (2016, April). *A certainty program framework for market based conservation of longleaf pine conservation*. Paper presented at the 2016 Meeting of the International Society of Forest Resource Economics, Raleigh, NC.

**Serenari, C.** & R. Reitz. (2015, November). *Acquiring human dimensions information: Descriptions of qualitative and quantitative methods in a digital age*. Presented at the 69<sup>th</sup> Annual Conference of the Southeastern Association of Fish and Wildlife Agencies, Asheville, NC.

Burke, C., M.N. Peterson, C. Moorman, C. DePerno, D. Sawyer, & **C. Serenari**. (2015, November). *Predicting available hunting land and hunter density and distribution in North Carolina*. Poster presented at the 69th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies, Asheville, NC.

Drake, M., M.N. Peterson, C. Moorman, C. DePerno, C. Olfenbuttel, & **C. Serenari**. (2015, November). *Co-urbanization of humans and coyotes*. Paper presented at the 69th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies. Asheville, NC.

**Serenari, C.** & M.N. Peterson. (2015, June). *Why North Carolina hunters and anglers illegally take wildlife: A sociopolitical perspective*. Paper presented at the 21st International Symposium on Society and Resource Management (ISSRM). Charleston, SC.

**Serenari, C.**, M.N. Peterson, P. Stowhas, & T. Wallace. (2014, March). *Assessing the impacts of private protected area governance, conservation, and development on human wellbeing: Three cases from Los Rios, Chile*. Poster presented at the NCSU Graduate Student Research Symposium, Raleigh, NC.

**Serenari, C.**, M.N. Peterson, P. Stowhas, & T. Wallace. (2014, February/March). *An alternative to mainstream conservation and development? The social impacts of large-scale privately owned protected areas in Los Rios, Chile*. Paper presented at the Dimensions of Political Ecology Conference, Lexington, KY.

**Serenari, C.**, K. Bosak, & A. Attarian. (2012, March). *Cross-cultural efficacy of American low impact programs: A comparison of Garhwal guide beliefs and American outdoor travel norms*. Poster presented at the 72nd Annual Meeting of the Society for Applied Anthropology, Baltimore, MD.

**Serenari, C.**, A. Attarian, and Y-F. Leung. (2010, February). *Understanding environmentally significant behavior among guides in Garhwal Himalaya: An exploratory study of whitewater and trekking guides*. Paper presented at the 32nd Annual Southeastern Recreation Research Conference, Greenville, SC.

## **OUTREACH**

\*Presented by Colleague

**Serenari, C.**, and Messick, J. "Drivers of enrollment in Houston toad safe harbor agreements." Texas State University-Texas Parks and Wildlife Department Webinar, November 21, 2019.

Shaw, J.\*, **C. Serenari**, D. Cobb, & R. Myers. "2017 Deer Forums." Results from multi-year biological and social science research projects and their combined implications for deer management in North Carolina. Presented to audiences in nine deer management districts across the state in May and June.

**Serenari, C.**, J. Pope\*, M.N. Peterson, and F. Cabbage. "Market-based conservation initiative-Conservation Innovation Grant: Conservation credit supply." Cape Fear Arch Meeting, Jones Lake State Park, NC, August 20, 2014.

Peterson, M.N.\*, D. Fielding, **C. Serenari**, F. Cabbage, C. Moorman, S. Moore, & D. Hazel. "Perceptions of biomass harvesting among stakeholders in the southeast." NCSU Extension Webinar, 2014.

## **MEDIA COVERAGE**

Garcia, M. (Host). (2022, September). Science Stories [Audio podcast]. Spotify.

Cooper, G. (2019, April 18). *Can the Houston toad be saved?* Retrieved from <https://www.kxan.com/news/local/hays/how-can-the-houston-toad-be-saved-/1937477076>

Estrada, M. (2019, May 7). *Texas State forms alliance to save endangered toad species.* Retrieved from <https://universitystar.com/29671/news/texas-state-forms-alliance-to-save-endangered-toad-species/#photo>

Blaschke, J. (2019, April 16). *Texas State researchers see landowners as key to saving Houston toad, other endangered species.* Retrieved from <https://news.txstate.edu/research-and-innovation/2019/saving-houston-toad.html>

## **GRANTS**

### ***Funded***

#### **2023**

- Joint Fire Science Program, *Mapping the socio-political context of fire suppression through multi-institutional collaboration*, Chris Serenari (PI), \$232,181.00.

#### **2022**

- Texas Parks and Wildlife Department via Coastal Bend Bays & Estuaries Program (sub-award), *Black skimmer conservation along the Texas Gulf Coast*, C. Serenari (PI); D. Newstead (PI); E. Rubino (Co-PI), \$300,659 (\$104,683)
- Society for Fire Protection Engineers. *Integrating wildlife rescue and rehabilitation into disaster loss reduction planning*. \$5,000, June 2022-December 2023, R. Cortez ([M.S. student] PI)

**2021**

- Texas Parks and Wildlife Department, *Landowner classification and intervention testing to increase enrollment into Houston toad Safe Harbor Agreements*, C. Serenari (PI); E. Rubino (Co-PI); K. Daniel (Co-PI), \$105,000

**2020**

- Texas Parks and Wildlife Department: *Public perceptions of chronic wasting disease in western Texas*, C. Serenari (PI); E. Rubino (Co-PI), \$62,031

**2019**

- Texas State University International Research Accelerator grant: *Improving conservation of Bornean elephants in Sabah, Malaysia* (\$14,984)

**2018**

- Texas State University Research Enhancement Program grant: *mapping micro-level decision making about alligator management in North Carolina* (\$8,000)
- Texas Parks and Wildlife Conservation License Plate grant (#517057): *Investigating determinants influencing recruitment into Houston toad safe harbor agreements* (\$29,137)

**2015**

- North Carolina Deer Hunter Survey (\$106,514, F15AF00726)
- Social Dimensions of Canids (\$177,637, F11AF00409)

**2013**

- Tourism Cares/NTA Luray Caverns Graduate Research Grant, \$3000
- Food and Agriculture International Dissertation Research Travel Grant, \$7000
- American Alpine Club Research Grant, \$780
- Laarman International Gift Fund, \$2500

**2012**

- Sawtooth Software Research Grant (co-authored with Diane Cooper Fielding), ~\$5,000
- Laarman International Gift Fund (co-authored with Brian Bulla), \$5000

**2009**

- American Alpine Club Research Grant, 2009, \$1800
- College of Natural Resource Professional Development Grant (co-authored with Dr. Aram Attarian), 2009, \$3800

***In Review***

- *Global centers track 1: Renewables-Wildlife solutions global center*, Sarah Fritts (PI), Todd Katzner (Co-PI), David Nelson (Co-PI), Mark Davis (Co-PI), Chris Serenari (Co-PI), \$4,999,997.

***Unfunded***

- Texas Sea Grant, *Perceptions of shark depredation impacts on recreational fishing and acceptance of technology to mitigate occurrences*, Christopher Serenari, (PI); Apan Qasem (Co-PI); Jenn Idema (Co-PI), \$261,719
- National Science Foundation, Serenari, Christopher (Principal), Smith, Jen (Co-Principal), Cade, Tina Marie (Co-Principal). *Testing stewardship interventions to create solidarity for ecological restoration and reduce flooding vulnerability in low-income neighborhoods*, \$645,317.00.
- National Science Foundation. *Risk governance of alien species: Modeling the drivers of policy inaction*. Serenari, C. (PI), Pienaar, E. (Co-PI), Tamir, D. (Co-PI), Weckerly, F. (Co-PI), (\$377,589.00).
- Texas Sea Grant: *Interventions to address living shoreline regulatory barriers along the Texas Coast*, E. Rubino (PI); C. Serenari (Co-PI), \$74,714

- Texas State University Research Enhancement Program grant: *Investigating the perceived conservation significance of Texas wildlife ranching*, C. Serenari (PI) (\$8,000)
- Dallas Safari Club Foundation: *A comparison of the wildlife ranching industries in South Africa and Texas*, C. Serenari (PI); E. Rubino (Co-PI), (\$8,140),
- Houston Safari Club Foundation Grants Program: *A comparison of the wildlife ranching industries in South Africa and Texas*, C. Serenari (PI); E. Rubino (Co-PI), (\$8,140)
- United States Department of Agriculture AFRI NIFA, *Soil health, agricultural productivity, and biodiversity: Comparing ecosystem services to improve decision making and adoption*. C. Serenari (PI); E. Rubino (Co-PI); D. Konur, K. Mix (Co-PI), \$498,983
- Texas State University International Research Accelerator grant: *A comparison of the wildlife ranching industries in South Africa and Texas* (\$14,294)
- Association of Fish and Wildlife Agencies: *Identifying drivers of herptile trade in the southeastern U.S.*, C. Serenari (PI), \$138,429.
- International Elephant Foundation: *Empowering farmers to address human-elephant coexistence in Malaysia*, C. Serenari (PI); F. Othman (Co-PI); M. Lute, \$8,971
- Texas Sea Grant: *Local climate change risk messaging*, K. Daniel (PI); C. Serenari (Co-PI), \$208,540
- Texas Sea Grant: *Comparing gradations of coastal hazard resilience among Texas recreational fishery-dependent communities*, C. Serenari (PI); B. KC (University of North Texas, Co-PI), \$243,992
- Sea World – Busch Gardens Conservation Fund: *Improving rescue and conservation of Bornean elephants in Sabah, Malaysia* (\$28,744)
- U.S. Fish and Wildlife Service – Asian Elephant Conservation Fund: *Assessing village and institutional capacity to reduce human-Bornean elephant conflict in Sabah, Malaysia* (\$75,579)

## TEACHING EXPERIENCE

### Instructor

Texas State University

RES 4399 *Mentored Research and Creative Expression*, Summer 2023

SUST 5301 *Sustainability Seminar*, Fall 2021

BIO 4304/5304 *Wildlife and Recreation: Impact, Management, and Policy*, Spring 2019-current

BIO 4331/5331 *Human Dimensions of Wildlife and Fisheries Conservation*, Fall 2019-current

### Guest Lecture

University of Texas at Dallas (February 3, 2021)

Texas State University:

- SUST 5301 Sustainability Studies Seminar (November 11, 2019)
- GEO4309 *Cultural and Political Ecology* (April 23, 2019)
- BIO4220 *Natural History of Vertebrates* (October 23, 2018)

### Instructor

North Carolina State University

Co-Instructor of record for FW 411/511 (*Human Dimensions of Wildlife and Fisheries*, Spring 2016)

### **Guest Lecturer**

*Social Science Data Collection, Sabah Malaysia (January 20, 2020)*

*Wildlife Conservation in North Carolina: A Governance Perspective (Appalachian State University, PS5675, October 2nd, 2017)*

*Social Dynamics of Canids on the Albemarle Peninsula (NCSU, AES 495, February 18<sup>th</sup>, 2016)*

*Wildlife, Culture, and Tourism (NCSU ANT433/533, November 10<sup>th</sup>, 2015)*

*The Human Face of Private Conservation (NCSU FER Seminar; April 15<sup>th</sup>, 2015)*

*Human Dimensions of Hunting and Angling in North Carolina (NCSU FW 411/511; January 22<sup>nd</sup>, 2015)*

*Social Impacts of Tourism Development and Private Conservation in South, Chile (NCSU ANT 433/533; April 16<sup>th</sup>, 2014)*

### **Teaching Assistant**

North Carolina State University

*NR571: Current Issues in Natural Resource Policy (Fall 2013)*

*ET455: Adaptive Management and Governance (Fall 2012, Spring 2013)*

*Shared-duty instructor/TA for PRT380 (Evaluation and Analysis for Undergraduates) (Fall 2011) and*

*PRT-375 (Internship Orientation) (Spring 2012)*

### **Instructor**

North Carolina State University

*Instructor of record for (3) semesters of PRT 380 (Evaluation and Analysis for Undergraduates) (Fall 2010, Spring 2011, Summer II 2011)*

### **Supervised Teacher, August 2009-December 2009**

North Carolina State University

*Responsible for assisting curriculum development, grading, preparation, and teaching of lectures on outdoor adventure programming (PRT215, Principles and Practices of Outdoor Leadership).*

## **ADVISING/MENTORING**

### **Major Advisor, Texas State University (\*graduated)**

Abigail Meeks (Ph.D., January 2022-current)

Shelby Bork (M.S., August 2022-current)

Rocio Cortez (M.S., August 2022-current)

Consuelo Azuaje (M.S., January 2022-current)

Dani Miller (M.S., August 2020-current)

Jared Messick

- Investigating determinants of collaboration between landowners and wildlife agencies for endangered species conservation (Ph.D., Aquatic Resources and Integrative Biology, August 2020-August 2023\*)
- Endangered species conservation and private landowners: Investigating landowner participation in a safe harbor agreement (M.S., Wildlife Ecology, January 2019-August 2020\*)

Brooke Laycock

- Investigating the effectiveness of mindfulness on coastal recreationist to mitigate waterbird disturbance (M.S., Wildlife Ecology, August 2021-August 2023\*)

Elizabeth Pratt

- Analysis of drivers of spring alligator hunting in Texas and policy implications (M.S., Wildlife Ecology, August 2019-May 2021\*)

Rebecca Cavalier

- Decision modeling and analysis of micro-level alligator management: Application and lessons learned (M.S., Wildlife Ecology, August 2019-May 2021\*)

### **Thesis Committee Member**

Meg Flanagan, Texas State University

- Effects of Traffic Noise on Glucocorticoid response, growth, behavior, and cognition on larval and adults frogs (Master's, Biology, September 2022-May 2023\*)

Christian Guajardo, Texas State University

- A regional and landscape-scale analysis of the habitat associations of the Mexican Wolf (*Canis lupus baileyi*) reintroduced into New Mexico and Arizona (Master's, Wildlife Ecology, October 2021-May 2023\*)

Robert McCartney, Texas State University

- Characterization of triploid Grass Carp stocking in private Texas waters using permit applications (Masters, Sustainability Studies, June 2021-December 2021\*)

Rebecca Nishida, University of Texas-San Antonio

(Master's degree, March 2021-current)

Ryan Spencer, Texas State University,

(Doctoral thesis, August 2019-current)

Candice M. Rodriguez, Texas State University

- Stomach content analysis of the invasive small Indian mongoose (*Herpestes auropunctatus*) from Puerto Rico (Master's thesis, November 2018\*)

Conner R. Burke, North Carolina State University

- Predicting available hunting land and hunter density and distribution (Master's thesis, May 2016\*)

### **Non-thesis Committee Member**

Virgilio Gomez, Texas State University

(Masters, Biology, November 2022-current)

Henry Allen, Texas State University

(Masters, Sustainability Studies, October 2021-July 2022\*)

Ariane McClendon, Texas State University

(Masters, Sustainability Studies, July 2020-May 2021\*)

Rose Ayala

(Masters, Biology, October 2019-December 2019\*)

### **Undergraduate Researchers**

Anna Self

Amanda Barney

Natalie Loftin

Gabrielle Payne

Brittney Covington

Alexis Commiskey

Sam Sanchez

### **Adjunct Professor or Consultant**

East Carolina University

- *Demystifying the Huntress: Exploring women hunters in eastern North Carolina* (Master's thesis)  
North Carolina State University
- *Human dimensions of coyote management in human-dominated environments* (Master's thesis)
- *Minority hunter and angler retention and recruitment* (service-learning project collaboration between WRC and NCSU Human Dimensions of Wildlife Management Class, FW 411/511)

**Tamango National Reserve, Chile project**, Fall 2012-Spring 2013

Mentored German Master's student in design and completion of three-month study of visitors to TNR.

**Teaching Assistant**, January 2012-May 2012

North Carolina State University  
PRT371, Internship Orientation

**Graduate Assistant**, August 2008-May 2009

North Carolina State University  
*Supervised and mentored students leading outdoor trips for the Outdoor Adventures Program*

**REVIEW AND EDITORIAL SERVICE**

*Human Dimensions of Wildlife* (Associate Editor 2019-present)

Invited Reviewer for Academic Journals:

*PLOS ONE* (2023)

*Human-Wildlife Interactions* (2022)

*Science of the Total Environment* (2022)

*Journal of Leisure Research* (2021)

*Ecology & Society* (2021)

*Society and Natural Resources* (2020)

*Texas Journal of Science* (2020)

*Risk Analysis* (2020)

*Human Dimensions of Wildlife* (2015-2018)

*Conservation Biology* (2019, 2020)

*Journal of Wildlife Management* (2018)

*Journal of Tourism and Cultural Change* (2018)

*Leisure Sciences* (2018)

*Wildlife Society Bulletin* (2017, 2021)

*Journal of Rural Studies* (2016)

*Biological Conservation* (2016)

*Human Ecology Review* (2015)

*Journal of Sustainable Tourism* (2011)

Book Chapter: *Tourism Experiences & Animal Consumption: Contested Values, Morality, & Ethics* (2017)

**UNIVERSITY SERVICE**

- Environmental Service Committee, Texas State University, 2022-current

- Chair, Norris Scholarship competition, Texas State University, 2019-current
- Sustainability Studies Advisory Council representative, 2019-current
- Council on Inclusive Excellence (3/29/19, alternate for Dr. Shannon Weigum)

## COMMUNITY AND PROFESSIONAL SERVICE

- YMCA 8/9-year old basketball program – Assistant coach (Summer 2023)
- San Marcos Surge Soccer Club – Coach (2022-current)
- Small Acreage – Big Opportunity (SABO) program series (2022)
- Houston Toad Education/Outreach working group (2021-current)
- Hays Youth Baseball and Softball Association – Coach (Spring 2022)
- Hays Youth Soccer Association – Coach (2019-2020)
- Texas Wildlife Association’s Conservation Legacy 2.0 Core Team member
- American Wolf Foundation – Advisory Board Member (2018-current)
- Southeast Conservation Adaptation Strategy leadership team (invited guest, 2018)
- Association of Fish & Wildlife Agencies – Feral and Free-ranging Cat Working Group (2017-2018)
- U.S. Fish and Wildlife Service - Red Wolf Recovery Team (2015-2016)
- 69th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies (human dimensions symposium co-chair, November 2, 2015)
- 7th Annual ISTF Spring Symposium: Investment and International Land Deals in the Tropics: Who Owns the Forests? (moderator, April 17, 2015)
- USFS/NCSU Forest Ecosystem Services Valuation Stakeholder Meeting (facilitator, February 2014)
- NCSU FER Distinguished Speaker Search Committee (2013)
- NCSU CNR Strategic Planning Sub-Committee, Student Rep. (2013)
- NC Food Bank (volunteer, 2012)
- NCSU FER Graduate Student Association (faculty-grad student rep, 2012-2013)
- NCSU PRTM (faculty-grad student rep, 2009-2010)

## AFFILIATIONS

The Wildlife Society

## INTERNATIONAL EXPERIENCE

**Sabah, Malaysia**, January 17-24, 2020

**Doctoral Dissertation Research**, Chile, May-August, 2013

**IMAGINE Research Abroad Program**, South Africa, May 2012-June 2012

**Master’s Thesis Research**, India, May 2009-July 2009

**Study/Research Abroad**, India, May 2009-June 2009; South Africa, May-June 2012

## AWARDS & HONORS

Graduate:

- 21st International Symposium on Society and Research Management (ISSRM) Early Career Scholarship, 2015, \$475.
- University Graduate Student Association Award for Conferences, \$1275



- FER–Arthur W. Cooper Graduate Fellowship for Excellence in Social Sciences, 2013-2014
- NCSU Graduate Student Research Symposium, March 2014, FER Nomination
- NC Wildlife Federation Scholarship, 2013, \$1000
- Xi Sigma Pi, Forestry National Honor Society, 2013
- USDA Food & Agricultural Sciences National Needs Fellowship, 2012-2013
- NCSU Study Abroad Office Scholarship, 2012, \$1000
- NCSU Africana Studies Travel Scholarship, 2012, \$500
- Association of Natural Resource Extension Professionals conference Travel Scholarship, 2012, \$1000
- NSCU FER International Research Scholarship, 2012, \$500
- NCSU CNR International Research Scholarship, 2012, \$250
- Sigma Iota Rho-Honor Society for International Studies, inducted 2010

Others:

- Assoc. for Outdoor Recreation & Education Prof. Develop. Scholarship, 2008, \$500
- Mountain Hardwear Mission Project Grand Prize Winner (writing contest), 2007, \$5600
- National Naval Medical Center Civilian Award of Excellence, 2003, monetary award
- Environmental Health Outstanding Senior Award, BGSU, 2000

**TRAINING COMPLETED**

STEP (2019); CITI Social and Behavioral Research (2018); EEO and Title IX (2018);  
Allies (2018); ArcGIS 1 (2017); Working in Teams (2006)