

Carol L. Silva, Ph.D.

Curriculum Vitae

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<https://scholar.google.com/citations?user=4m4cXM8AAAAJ&hl=en>

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University of Oklahoma

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Norman, OK 73072

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Education:

- 1998 Ph.D. University of Rochester (Political Science)
 Dissertation Title: *Assessing the Value of the Contingent Valuation Method: An Application to the Selection of Nuclear Waste Transport Routes*
 Advisors: David L Weimer (chair), Eric Hanushek, and Richard Niemi
- 1996 M.A. University of Rochester (Political Science)
- 1989 B.A. University of New Mexico (Political Science)

Academic Appointments:

- 2017 – present Edith Kinney Gaylord Presidential Professor of Political Science
- 2015 – present Professor, Department of Political Science, University of Oklahoma
- 2010 – present Director, Center for Risk and Crisis Management, University of Oklahoma
- 2014 – present Co- Director, National Institute of Risk and Resilience, University of OK
- 2019 – 2020 Director, Center for Faculty Excellence
- 2007 – 2014 Associate Professor, Department of Political Science, University of OK
- 2003 – 2007 Assistant Professor, George Bush School of Government & Public Service
- 2001 – 2003 Assistant Professor, Dept of Political Science, Texas A&M University
- 1994 - 2001 Associate Director, Institute for Public Policy, University of New Mexico.

Research and Teaching Interests:

Public Policy. Environmental politics; Energy policy; Weather and climate policy; Contingent valuation methodology; Policy analysis; Big Data and Public Policy, Cost benefit analysis; Risk analysis and assessment; Gender and risk perception; Comparative public policy.

Methodology. Multivariate statistical analysis; Social Media data analysis methods; Big Data collection and analysis; Survey research; Questionnaire development; Internet, telephone & mail survey techniques; Interviewer effects on survey responses; Qualitative research methods; Focus groups, Active learning environments for improving education outcomes.

State and Local Institutions. Policy implementation & analysis at the state and local level; Election Policy/Administration; public participation at the state and local level; LatinX/Hispanic politics.

Administrative experience:

Research Centers: As a Center/Institute Director, I specialize in the building, coordination, and conduct of research programs for interdisciplinary teams. My responsibilities include idea development, team management, data collection and analysis, providing policy advice and planning to funders/clients/government officials, and academic publishing. I have extensive experience in budgeting, strategic planning, financial management, strategic planning, and human resources in an academic department and research setting.

Faculty Development: As the founding Director of the Center for Faculty Excellence, I was responsible for building and institutionalizing faculty development capacity at the University level. This included liaising with University Administration and building an administrative structure capable of serving all faculty on campus, over-seeing research development and training, supporting and improving teaching, building community engagement opportunities, and leadership development for all faculty.

Publications:

Robinson, S., Gupta, K., Ripberger, J., Ross, J., Fox, A., Jenkins-Smith, H., & Silva, C. 2021. *Trust in Government Agencies in the Time of COVID-19* (Elements in Public and Nonprofit Administration). Cambridge: Cambridge University Press.

Wehde, Wesley; Ripberger, Joseph T; Jenkins-Smith, Hank; Jones, Benjamin A; Allan, Jinan N; Silva, Carol L; (2021) "Public Willingness to Pay for Continuous and Probabilistic Hazard Information," *Natural Hazards Review*, 22(2) 04021004 2021.

Robinson, S., Ripberger, J. T., Gupta, K., Ross, J., Fox, A. Jenkins-Smith, H., and Silva, C. 2020. The relevance and operations of political trust in the COVID-19 pandemic. *Public Administration Review*, DOI: 10.1111/puar.13333.

Jenkins-Smith, Hank C; Ripberger, Joseph T; Silva, Carol L; Carlson, Deven E; Gupta, Kuhika; Carlson, Nina; Ter-Mkrtchyan, Ani; Dunlap, Riley E; (2020) "Partisan asymmetry in temporal stability of climate change beliefs," *Nature Climate Change*,10(4) 322-328.
<https://doi.org/10.1038/s41558-020-0719-y>

Polo, John A; Tanner, Evan P; Scholtz, Rheinhardt; Fuhlendorf, Samuel D; Ripberger, Joseph T; Silva, Carol L; Jenkins-Smith, Henry C; Carlson, Nina; (2020),"Mismatches in prescribed fire awareness and implementation in Oklahoma, USA", *Rangelands*,42,6,196-202.
<https://doi.org/10.1016/j.rala.2020.09.002>

Swedlow, Brendon; Ripberger, Joseph T; Liu, Li-Yin; Silva, Carol L; Jenkins-Smith, Hank; Johnson, Branden B; (2020) "Construct Validity of Cultural Theory Survey Measures", *Social Science Quarterly*,101(6) 2332-2383. <https://doi.org/10.1111/ssqu.12859>

Allan, Jinan N; Ripberger, Joseph T; Wehde, Wesley; Krocak, Makenzie; Silva, Carol L; Jenkins-Smith, Hank C; (2020) "Geographic distributions of extreme weather risk perceptions in the United States" *Risk Analysis*,40(12) 2498-2508. <https://doi.org/10.1111/risa.13569>

Gupta, Kuhika; Ripberger, Joseph T; Jenkins-Smith, Hank C; Silva, Carol L; (2020) "Exploring Aggregate vs. Relative Public Trust in Administrative Agencies that Manage Spent Nuclear Fuel in the United States" *Review of Policy Research*, 37(4) 491-510.
<https://doi.org/10.1111/ropr.12385>

Lenhardt, Emily D; Cross, Rachael N; Krocak, Makenzie J; Ripberger, Joseph T; Ernst, Sean R; Silva, Carol L; Jenkins-Smith, Hank C; (2020) "How Likely is That Chance of Thunderstorms? A Study of How National Weather Service Forecast Offices Use Words of Estimative Probability and What They Mean to the Public," *Journal of Operational Meteorology* 8(5).

Ripberger, Joseph T; Silva, Carol L; Jenkins-Smith, Hank C; Allan, Jinan; Krocak, Makenzie; Wehde, Wesley; Ernst, Sean; (2020) "Exploring community differences in Tornado warning reception, comprehension, and response across the United States" *Bulletin of the American Meteorological Society*,101(6) E936-E948. <https://doi.org/10.1175/bams-d-19-0064.1>

Krocak, Makenzie J; Ernst, Sean; Allan, Jinan N; Wehde, Wesley; Ripberger, Joseph T; Silva, Carol L; Jenkins-Smith, Hank C; (2020) "Thinking outside the polygon: a study of tornado warning perception outside of warning polygon bounds," *Natural Hazards*,102(3)1351-1368.
<https://doi.org/10.1007/s11069-020-03970-5>

- Carlson, D., Haeder, S., Jenkins-Smith, H., Ripberger, J., Silva, C., & Weimer, D. (2020). Monetizing Bowser: A Contingent Valuation of the Statistical Value of Dog Life. *Journal of Benefit-Cost Analysis*, 11(1), 131-149. DOI: <https://doi.org/10.1017/bca.2019.33>
- Gupta, K., Nowlin, M. C., Ripberger, J. T., Jenkins-Smith, H. C., & Silva, C. L. 2019. "Tracking the Nuclear 'Mood' in the United States: Introducing a Long Term Measure of Public Opinion about Nuclear Energy Using Aggregate Survey Data." *Energy Policy*, 133, 110888. <https://doi.org/10.1016/j.enpol.2019.110888>
- Krocak, M. J., Ripberger, J. T., Jenkins-Smith, H., & Silva, C. 2019. "The Impact of Hours of Advance Notice on Protective Action in Response to Tornadoes." *Weather, Climate, and Society*. 11: 881-888 2019. <https://doi.org/10.1175/WCAS-D-19-0023.1>
- Ripberger, J. T., Krocak, M. J., Wehde, W. W., Allan, J. N., Silva, C., & Jenkins-Smith, H. 2019. "Measuring Tornado Warning Reception, Comprehension, and Response in the United States." *Weather, Climate, and Society*. 2019 <https://doi.org/10.1175/WCAS-D-19-0015.1>
- Deven E. Carlson, Joseph T. Ripberger, Wesley Wehde, Hank C. Jenkins-Smith, Carol L. Silva, Kuhika Gupta, Robert P. Berrens, and Benjamin A. Jones. 2019. "Benefit-Cost Analysis, Policy Impacts, and Congressional Hearings." *Journal of Benefit-Cost Analysis* 10(1), 65-94. DOI: <https://doi.org/10.1017/bca.2018.28>
- Benjamin A. Jones, Robert P. Berrens, Hank C. Jenkins-Smith, Carol L. Silva, Deven E. Carlson, and Joseph T. Ripberger. 2019. "Inclusive Non-Market Valuation in Coupled Human and Natural Systems (CHANS): A Motivating Theory and Application to Hydroelectric Dams." *Journal of Environmental Economics and Policy* 8:1-16. DOI: <https://doi.org/10.1080/21606544.2018.1479315>
- Ripberger, J.T., H Jenkins-Smith, C Silva, J Czajkowski, H Kunreuther, and K Simmons (2018) "Tornado Damage Mitigation: Homeowner Support for Enhanced Building Codes in Oklahoma." *Risk Analysis* 38:2300-2317. DOI: <https://doi.org/10.1111/risa.13131> .
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- Jenkins-Smith, H. C., Ripberger, J. T., Silva, C. L., Carlson, N., Ripberger, K., Henderson, M., Goodin, A. (2017). The Oklahoma Meso-Scale Integrated Socio-geographic Network: A Technical Overview. *Journal of Atmospheric and Oceanic Technology*. <https://doi.org/10.1175/JTECH-D-17-0088.1>. <http://journals.ametsoc.org/doi/abs/10.1175/JTECH-D-17-0088.1?af=R>
- Ripberger, J. T., Jenkins-Smith, H. C., Silva, C. L., Carlson, D. E., Ripberger, K., Carlson, N., R. D. (2017). Bayesian Versus Politically Motivated Reasoning in Human Perception of Climate Anomalies. *Environmental Research Letters*. 10.1088/1748-9326/aa8cfc. <http://iopscience.iop.org/article/10.1088/1748-9326/aa8cfc>
- Jones, B., Berrens, R., Jenkins-Smith, H. C., Silva, C. L., Carlson, D. E., Ripberger, J. T., Ripberger, K., Carlson, N. (2017). In Search of an Inclusive Approach: Measuring Non-market Values for the Effects of Complex Dam, Hydroelectric and River System Operations. *Energy*

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Jones, B. A., Berrens, R. P., Jenkins-Smith, H. C., Silva, C. L., Carlson, D. E., Ripberger, J. T., Gupta, K., & Carlson, N. 2016. "Valuation in the Anthropocene: Exploring options for alternative operations of the Glen Canyon Dam." *Water Resources and Economics*, 14: 13-30.

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Ripberger, J., C. Silva, H Jenkins-Smith and M. James. 2015. "The Influence of Consequence-Based Messages on Public Responses to Tornado Warnings". *Bulletin of the American Meteorological Society*, 96(4): 577-590.

Li, Hui, Robert Berrens, Hank Jenkins-Smith and Carol Silva. 2015. "US Household Support for Non-Fossil Fuel Based Energy R&D: Accounting for Uncertainty, News Media Coverage, and Possible Nuclear Poison-Pill Effects". *International Journal of Ecological Economics and Statistics* 36(3): 1-25.

Waterman, Richard, Carol Silva and Hank Jenkins-Smith. 2014. *The Presidential Expectations Gap: Public Attitudes Concerning the Presidency*. University of Michigan Press, Ann Arbor, MI.

Ripberger, Joseph T., Hank C. Jenkins-Smith, Carol L. Silva, Deven E. Carlson, and Matthew Henderson. 2014. "Social Media and Severe Weather: Do 'Tweets' Provide a Valid Indicator of Public Attention to Tornadoes?" *Weather, Climate, and Society*. 6:4 (520-530)
DOI: <http://dx.doi.org/10.1175/WCAS-D-13-00028.1>.

Jenkins-Smith, Hank, Carol L. Silva, Kuhika Gupta, and Joseph T. Ripberger. 2014. "Belief System Continuity and Change in Policy Advocacy Coalitions: Using Cultural Theory to Specify Belief Systems, Coalitions, and Sources of Change." *The Policy Studies Journal*, Vol. 42, No. 4.

Ripberger, Joseph T., Kuhika Gupta, Carol L. Silva, and Hank C. Jenkins-Smith. 2014. "Cultural Theory and the Measurement of Deep Core Beliefs within the Advocacy Coalition Framework." *The Policy Studies Journal*, Vol. 42, No. 4.

Geoboo Song, Carol L. Silva, and Hank C. Jenkins-Smith. 2014. "Cultural Worldview and Preference for Childhood Vaccination Policy." *The Policy Studies Journal*, Vol. 42, No. 4.

Ripberger, Joseph T., Carol L. Silva, Hank C. Jenkins-Smith, Deven E. Carlson, Mark James and Kerry G. Herron. Forthcoming 2014. "False Alarms and Missed Events: The Impact and Origins of Perceived Inaccuracy in Tornado Warning Systems." *Risk Analysis*. DOI: <http://onlinelibrary.wiley.com/doi/10.1111/risa.12262/abstract>.

Ripberger, Joseph T., Carol L. Silva, Hank C. Jenkins-Smith, and Mark James. Forthcoming 2014. "The Impact of Consequence-Based Messages on Public Responses to Tornado Warnings." *Bulletin of the American Meteorological Society*. DOI: <http://dx.doi.org/10.1175/BAMS-D-13-00213.1>.

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Jenkins-Smith, Hank, Carol Silva, Kerry Herron, Sarah Trouset, and Rob Rechard. 2012. "Enhancing Acceptability and Credibility of a Repository for the Management of Used Nuclear Fuel." *National Academy of Engineering: The Bridge* 42(2): 49-58.

Jenkins-Smith, Hank, Carol Silva, Kerry Herron, Evaristo Bonano, and Rob Rechard. 2012. "Designing a Process for Consent-Based Siting of Used Nuclear Fuel Facilities: Analysis of Public Support." *National Academy of Engineering: The Bridge* 42(3): 28-39.

Hank C. Jenkins-Smith, Carol L. Silva, Matthew C. Nowlin, and Grant deLozier. 2011. "Reversing Nuclear Opposition: Evolving Public Acceptance of a Permanent Nuclear Waste Disposal Facility." *Risk Analysis* 31(4):629-644.

Jenkins-Smith, Hank, Kerry Herron and Carol Silva. 2011. *Perspectives on Energy, the Environment, Nuclear Weapons, and Terrorism: 2010 National Security Surveys*. Sandia Report: SAND2011-1686, Albuquerque, NM: Sandia National Laboratories.

Hui Li, Hank Jenkins-Smith, Carol Silva, Robert Berrens, and Kerry Herron. 2009. "Public Support for Reducing US Reliance on Fossil Fuels: Investigating Household Willingness to Pay for Energy Research and Development" *Ecological Economics* 68(3):731-742.

Jenkins-Smith, Hank, Carol Silva, and Chris Murray. 2009. "Beliefs about Radiation: Scientists, the Public, and Public Policy." *Journal of Health Politics* 97(5): 519-527.

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Moynihan, Donald P. and Carol Silva. 2008. "The Administrators of Democracy: A Research Note on Local Election Officials." *Public Administration Review*. 68(5): 816-827.

Silva, Carol L and Hank C. Jenkins-Smith. 2007. "Precaution in Context: Comparing US and EU Scientists' Prescriptions for Policy in the Face of Uncertainty," *Social Science Quarterly* 88(3): 640-664.

Silva, Carol L, H. Jenkins-Smith and R. Barke. 2007 "Reconciling Scientists' Beliefs about Radiation Risks and Social Norms: Explaining Preferred Radiation Protection Standards," *Risk Analysis* 27(3): 755-773.

Silva, Carol L, Richard Waterman and Hank Jenkins-Smith. 2007. "Why Did Clinton Survive? A Test of Three Explanations?" *Presidential Studies Quarterly* 37(3): 468-485.

Li, Hui, Robert Berrens Alok Bohara, Hank Jenkins-Smith Carol Silva, and David Weimer. 2005. "Testing for Budget Constraint Effects in a National Advisory Referendum on the Kyoto Protocol," *Journal of Agricultural and Resource Economics* 30(2): 350-66.

Moynihan, Don and Carol L Silva. 2005. "What is the Future of Studying Elections? Making the Case for a New Approach," *Policy Studies Journal* 33(1): 31-36.

Jenkins-Smith, Hank, Carol Silva, and Richard Waterman. 2005. "Micro and Macro Level Explanations of the Presidential Expectations Gap," *Journal of Politics*, 67(3): 690-715.

Li, Hui, Robert Berrens Alok Bohara, Hank Jenkins-Smith Carol Silva, and David Weimer. 2005. "Exploring the Beta Model Using Proportional Budget Information in a Contingent Valuation Study." *Economics Bulletin* 17(8): 1-9

Li, Hui Robert Berrens, Alok Bohara, Hank Jenkins-Smith Carol Silva, and David Weimer 2004. "Would Developing Country Commitments Affect U.S. Households' Support for a Modified Kyoto Protocol?," *Ecological Economics*, 48(3): 329-343.

Hui Li, Robert Berrens, Alok Bohara, Hank Jenkins-Smith, Carol Silva, and David Weimer. 2004. "Telephone versus Internet Samples for a National Advisory Referendum: Are the Underlying Stated Preferences the Same?" *Applied Economics Letters*, 11(3): 173-176.

Robert Berrens, Alok Bohara, Hank Jenkins-Smith, Carol L. Silva and David Weimer. 2004. "Information and Effort in Contingent Valuation Surveys: Application to Global Climate Change Using National Internet Samples," *Journal of Environmental Economics and Management*, 47(1) 331-363.

Berrens, R., A. Bohara, H. Jenkins-Smith, and C. Silva. 2003. "The Effect of an Environmental Disclosure Requirement on Willingness to Pay for Residential Properties in a Borderlands Community: El Paso, Texas Case Study," *Social Science Quarterly*, 84(2): 359-378.

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Berrens, R., H. Jenkins-Smith, A. Bohara, and C. Silva. 2002. "Further Investigation of Voluntary Contribution Contingent Valuation: Fair Share, Time of Contribution and Respondent Uncertainty," *The Journal of Environmental Economics and Management*, 44: 144-168.

Jenkins-Smith, H., C. Silva, Berrens, R., and A. Bohara. 2002. "Information Disclosure Requirements and the Effects of Soil Contamination on Property Values," *The Journal of Environmental Planning and Management*, 45(3):323-339.

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Waterman, R., H. Jenkins-Smith, and C. Silva. 1999. "The Expectations Gap Thesis: Public Attitudes Toward an Incumbent President," *Journal of Politics*, 61(4):944-66.

Berrens, R., A. Bohara, H. Jenkins-Smith, C. Silva, P. Ganderton, and D. Brookshire. 1998. "A Joint Investigation of Public Support and Public Values: Case of Instream Flows in New Mexico," *Ecological Economics*, 27(2):189-203.

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Jenkins-Smith, H. and C. Silva. 1998. "The Role of Risk Perception and Technical Information in Scientific Debates Over Nuclear Waste Storage," *Reliability Engineering and System Safety* 59: 107-122.

Bassett, G., Jenkins-Smith H. and C. Silva. 1997. "Robust Contingent Values Based on Dichotomous Choice Survey Data," *Environmetrics*, 8(5), 387-395.

Bassett, G., Jenkins-Smith H. and C. Silva. 1996. "On-Site Storage of High-Level Nuclear Waste: Attitudes and Perceptions of Local Residents." *Risk Analysis*, 16(3): 309-319.

Berrens, R., P. Ganderton, and C. Silva. 1996. "Valuing the Protection of Minimum Instream Flows in New Mexico," *Journal of Agricultural and Resource Economics*, 21(2): 294-309.

Selected University of Oklahoma Internal Funding:

National Institute for Risk and Resilience
VPR Internal Funding Support
2015-present Award: \$150,000/year

Center for Risk and Crisis Management
VPR Internal Funding Support
2015-present Award: \$150,000/year

USO: Center for Applied Social Research
VPR Internal Funding Support 2011-2016
Total Award: \$150,000/year for 5 years

Center for Risk and Crisis Management (CRCM)
VPR Internal Funding Support 2012-2014
Total Award: \$50,000/year for 3 years

USO: Center for Applied Social Research
VPR 2010
Total Award: \$75,000

USO: Center for Applied Social Research
VPR 2009
Total Award: \$75,000

Approximate Total external research funding (2014-2020 as PI or Co-PI): \$13,591,267.00

Recent Inter-disciplinary projects

Silva (co-PI and co-Science Lead): NSF Award: 1946093; 7/1/2020-6/31/2025 (estimated); \$4,459,121.00 to date/\$20 million over 5 years; OIA O/D: RII Track-1: Socially Sustainable Solutions for Water, Carbon, and Infrastructure Resilience in Oklahoma.

- Project summary and description:
<http://www.okepscor.org/wicked%20problems%20research>
- “The novelty of the project lies in both its design and vision: a social science-led, multi-disciplinary collaboration among social, physical, biological, engineering, and computational scientists from institutions across the state that incorporates the perspectives of competing social narratives. This approach allows the team to better define and develop a science-based understanding of solutions for critical problems resulting from the interactions of humans with the natural and built environment in Oklahoma. More than thirty researchers from Oklahoma State University, University of Oklahoma, University of Tulsa, Southwestern Oklahoma State University, Langston University, East Central University, and Noble Research Institute are working together on the \$20 million NSF EPSCoR project, which began on July 1, 2020. Oklahoma State Regents for Higher Education will provide \$800,000 annually in matching funds during the five-year award.”

Alianza: A TECHNICAL COOPERATION PROGRAM BETWEEN THE NATIONAL UNIVERSITY OF SAN AGUSTIN DE AREQUIPA AND THE UNIVERSITY OF OKLAHOMA, Phase 1 funded in 2021 (\$5 million US Dollars).

<https://www.ou.edu/research-norman/news-events/2021/ou-peru-university-partner-on-health-climate-research-projects>

- Silva is the overall OU project director and OU’s National Institute for Risk and Resilience is the university’s coordinating organization for the collaboration
- Researchers from the University of Oklahoma are working with the Universidad Nacional de San Agustín, one of Peru’s largest and oldest public research universities, on four collaborative projects to study climate change impacts and adaptation strategies for Latin America, as well as advanced public health monitoring and technologies to mitigate the disparate impact of diseases such as cancer and COVID-19 amongst the indigenous populations of Peru.

NSF ADVANCE: *OU ELEVATE: Implementing Equitable Multi-context Faculty Evaluations and Workload Distributions (submitted to NSF February 2021)*

- Silva is a co-PI on this submitted proposal
- This is an interdisciplinary team committed to improving the status of women and underrepresented minorities at the University of Oklahoma.
- **PROJECT OVERVIEW:** Data in the academic literature and the University of Oklahoma (OU) indicate that promotion and retention rates for women+ and Faculty with Intersecting Marginalized Identities (FIMI) are significantly lower than the rates for men. Our investigation draws a close connection between these inequitable outcomes and the policies and practices in faculty performance evaluations. Quantitative and qualitative analysis reveal biased annual evaluation systems that send a clear message to STEM women+ and FIMI at OU that their work is not valued. OU Elevate will combat this problem by dismantling the systemic effect of biased evaluations contributing to inequitable experiences and advancement for STEM women+ and FIMI. Development and implementation of new equitable and transparent policies for faculty annual evaluation and workload distribution will contribute to STEM units becoming a place of thriving and belonging for all faculty, sustained by institutionalized accountability to ensure practices continue to adhere with policies.

Selected Recent Funded Research:

National Science Foundation RAPID award

Misinformation About the COVID-19 Outbreak: Implications for Protection Motivation and Action During Crises and Disasters

Co-PI: Carol L Silva, Joseph Ripberger, Kuhika Gupta, Andrew Fox

2017 Award: \$200,000

National Science Foundation RAPID award

Institutional Design, Policy Conflict, and Sustainable Governance:

Measuring Public Support for Consent-Based Nuclear Waste Facility Siting in the US

PI: Carol L Silva

Co-PI: Hank C. Jenkins-Smith, Joseph Ripberger, Kuhika Gupta

2017 Award: \$183,000

Non-Market Values for Hydropower Phase 3: 2014-2016

PI: Hank C. Jenkins-Smith

Co-PI: Carol L Silva

Sponsor: Sandia National Labs

Sub-Award: \$715,000

2015 Energy and Environment Survey: 2015

PI: Hank C. Jenkins-Smith

Co-PI: Carol L Silva

Sponsor: Sandia National Labs

Award: \$250,000

Understanding U.S. Public Preferences on National Security 2015

PI: Hank C. Jenkins-Smith

Co-PI: Carol L Silva

Sponsor: Sandia National Labs

Award: \$330,000

University Service and Committee Memberships:

- Committee A, Department of Political Science (2016-2019)
- Chair, College of Arts and Sciences Dean's Executive Committee (2018-2019)
- College of Arts and Sciences Dean's Executive Committee (2017-2019)
- Committee A, College of Arts and Sciences (2018-2019)
- Committee Chair, CAS Big Data and Computational Social Science Faculty Search Committee Chair. (2018-2019).
- Committee Member, College of Arts and Science Promotion and Tenure Committee. (2018 - 2020).
- Committee Member, Graduate Dean's Task Force on Graduate Student Mentoring. (2018 - 2019).
- Committee Chair, Subcommittee: Data Collection and Benchmarking/Graduate Dean's Task Force on Graduate Student Mentoring. (2018 - 2019).
- University of Oklahoma, Cooperative Institute for Meso-Scale Meteorology (CIMMS) Executive Board, Provost Designee (2013-present)
- Information Technology Council/Faculty Senate ITC (2017)
- LatinX Studies Advisory Board (2016-present)
- Risser Fellows Selection/Mentor Committee (2015-present)
- Provost's Community Engagement Working Group (2015-2016)
- University of Oklahoma Search Committee Member 2015-2017: Director of the Center for Meso-Scale Meteorology (CIMMS)
- University of Oklahoma Search Committee Member 2015-2016: Geography EPSCoR Ecological Modeler Faculty
- University of Oklahoma Search Committee Chair 2015: CRCM/VPR Special Initiative hire in Weather, Climate and Social/Behavioral Science
- VPR Reasearch Liaison/Political Science Department (2012-present)
- EPSCoR: Adapting Socio-Ecological Systems to Increased Climate Variability, Executive Committee (2013-2017)
- College of Arts and Sciences IT Committee (2014-2016)
- The CORE Faculty Fellows Advisory Committee (2014-present)
- University of Oklahoma, VPR Social Science Coordinating Group (2013-present)
- Information and Technology Committee, College of Arts and Sciences (2014)
- University of Oklahoma, Vice-President for Research Advisory Committee (2007-2010)
- University of Oklahoma, Center for Applied Social Research Executive Committee (2008-2010)
- University of Oklahoma Law School Dean Search Committee (2010)
- OU Weather Enterprise Strategic Planning Committee (2010)
- University of Oklahoma committee on re-writing the Conflict of Interest Policy for the Norman Campus
- University of Oklahoma Re-Accreditation Self-Assessment Committee #4 (2012)
- SSWIM Advisory Board (2009-2011)
- University of Oklahoma, Center for Applied Social Research Board of Directors (2007-2008)
- University of Oklahoma, Department of Political Science, Undergraduate Studies Committee (2007-Present)
- University of Oklahoma, College of Law, Dean Search Committee (2009-10)
- University of Oklahoma, Department of Political Science, OU Poll Director Search Committee (2007)
- American Political Science Association (Public Policy Section) Wildavsky Award Committee

- Bush School MPSA Program Student Admissions Committee (2005, 2007)
- MPIA faculty search committees for International Security Position (2006-2007)
- MPIA faculty search committees: International Security and Chinese Foreign Policy Positions (2005-2006)
- Texas A&M University Gender Equity Resource Center Advisory Committee (2006-present)
- Bush School Representative to the Texas A&M University Women's Faculty Network (2004-present)
- Steering Committee member of the Texas A&M University Women's Faculty Network (2004-present)
- Executive Officer (Secretary) of the Texas A&M University Women's Faculty Network (2006)
- Women's Progress Award Selection Committee for Women's Week (2004)
- Faculty Advisory Committee for the VP of Student Affairs (2003-2005)
- APPAM 2006 Spring Conference planning committee. Theme: "Charting the Next Twenty Years of Public Policy and Management Education" (2006)
- Member, Faculty Advisory Committee to the VP of Student Affairs (2003-2005)

Professional Service and Scholarly Activities:

Editorial Board:

- *American Journal of Political Science* 2014-2017
- *Risk, Hazards & Crises in Public Policy* 2015-2019

Most recently a reviewer for:

- National Science Foundation (Decision Risk Section)
- National Science Foundation (Interdisciplinary Behavioral and Social Science Research)
- National Science Foundation (Special Program in Hurricanes and Social Science)
- National Science Foundation (Cyber Enabled Discovery and Innovation)
- NOAA/University of New Hampshire Coastal Response Research Center
- *American Journal of Political Science*
- *Public Administration Review*
- *Policy Studies Journal*
- *Social Sciences Quarterly*
- *Risk Analysis*
- *Bulletin of the American Meteorological Society*

Reviewer for (2000-2012):

- National Science Foundation
- NOAA/University of New Hampshire Coastal Response Research Center
- Book Proposal for Houghton Mifflin for a new textbook on Environmental Policy
- National Research Council's Committee on "Optimizing the Characterization and Transportation of Transuranic Waste Destined for WIPP"
- *American Journal of Political Science*
- *Policy Studies Journal*
- *Journal of Policy Analysis and Management*
- *Journal of Politics*
- *Environment*
- Member of the NOAA/University of New Hampshire Coastal Response Research Center Organizing Committee (2006)
- Member of APPAM 2005 Program Committee: Co-Chair: Environmental policy section

- NSF Review Panel 2004 Human and Social Dynamics Review competition's Risk Communication and Risk Perception Panel

Honors and Awards

- OU LatinX Coalition Outstanding Faculty of the Year 2020
- The *Journal of Benefit-Cost Analysis*: Best Original Article in 2020 "[Monetizing Bowser: A Contingent Valuation of the Statistical Value of Dog Life](#)"
- OU Award for Excellence in Transdisciplinary, Convergent Research 2020-2021: Joint Award with Hank Jenkins-Smith
- OU Annual Award for Excellence in Research Grants 2020
- OU Graduate College Outstanding Support of Graduate Education Award 2019
- Edith Kinney Gaylord Presidential Professorship 2017
- Vice President for Research (OU Norman Campus) Outstanding Research Engagement Award 2014
- 2006 Bush Faculty Excellence Award, George Bush School of Government and Public Service
- 1999 Association for Public Policy Analysis and Management (APPAM) Ph.D. Dissertation Award
- University of Rochester Ph.D. Student Fellowship and Tuition Award; 1990-1994
- Teaching Assistant of the Year Award; 1992
- Phi Beta Kappa; 1989
- Southwest Hispanic Research Institute Research Award; 1989