

CURRICULUM VITAE – Stephanie R. Carroll, DrPH, MPH

Community, Environment and Policy
Mel and Enid Zuckerman College of Public Health
University of Arizona
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Citizenship: United States and Native Village of Kluti-Kaah (Ahtna)

CHRONOLOGY OF EDUCATION

- 1996** B.A., Biology and Society with concentrations in Health and Society and American Indian Studies, Cornell University, Ithaca, NY.
- 2001** M.P.H., Community Health Practice, Arizona College of Public Health, The University of Arizona, Tucson, AZ.
- 2015** Dr.P.H., Maternal and Child Health, Mel and Enid Zuckerman College of Public Health, The University of Arizona, Tucson, AZ.
Dissertation title: Promoting Family and Community Health through Indigenous Nation Sovereignty
Committee Chair: Dr. Nicolette Teufel-Shone

CHRONOLOGY OF EMPLOYMENT

- 1996-1998** *Program Manager*, Human Services Research Institute, Cambridge, MA.
- 1998** *Research Assistant*, Center for Science in the Public Interest, Washington, DC.
- 2000** *Intern*, Junior Commissioned Officer Student Training and Extern Program (JRCOSTEP), Environmental Health Injury Prevention, Tucson Area Indian Health Service, Tucson, AZ.

University of Arizona

- 1999-2001** *Graduate Assistant*, Nutrition and Physical Activity Unit, Center for Native American Health, and the Udall Center for Studies in Public Policy
- 2001-2005** *Senior Research Specialist*, Udall Center for Studies in Public Policy
- 2005-2006** *Senior Program Coordinator*, Udall Center for Studies in Public Policy
- 2002-2009** *Research Coordinator*, Native Nations Institute, Udall Center for Studies in Public Policy
- 2006-2013** *Operations Manager*, Udall Center for Studies in Public Policy.
- 2009-2016** *Senior Researcher*, Native Nations Institute, Udall Center for Studies in Public Policy
- 2013** *Assistant Director*, Udall Center for Studies in Public Policy
- 2012-present** *Manager* – Tribal Health Program, Native Nations Institute, Udall Center for Studies in Public Policy
- 2015-2017** *Assistant Director*, Center for Indigenous Environmental Health Research, Mel and Enid Zuckerman College of Public Health
- 2015-present** *Associate Director*, Native Nations Institute, Udall Center for Studies in Public Policy
- 2016-2017** *Assistant Professor – Public Health*, Udall Center for Studies in Public Policy (NTE)
- 2016-2017** *Assistant Research Professor*, Public Health Policy and Management, Department of Community, Environment and Policy, Mel and Enid Zuckerman College of Public Health (NTE)
- 2016-present** *Assistant Professor*, American Indian Studies Graduate Interdisciplinary Program (NTE)
- 2017-2021** *Co-Director*, Center for Indigenous Environmental Health Research, Mel and Enid Zuckerman College of Public Health

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- 2017-present** *Assistant Research Professor*, Udall Center for Studies in Public Policy (NTE)
2017-present *Assistant Professor*, Public Health Policy and Management, Department of Community, Environment and Policy, Mel and Enid Zuckerman College of Public Health (TE)
2021-present *Affiliate Faculty*, Indigenous Peoples Law and Policy Program, College of Law (NTE)
2022-2023 *Acting Director*, Udall Center for Studies in Public Policy (NTE)

HONORS AND AWARDS

- 1994** *Outstanding New Member Award*, Alpha Omicron Pi Fraternity
1995-1996 Copper River Native Association Scholarship
2000 Fort McDowell Wassaja Memorial Scholarship
1999-2001 University of Arizona Graduate College Out-of-State Tuition Scholarship
1995-2001/ Ahtna Heritage Foundation Scholarship
2009-2015
2000-2001 Alaska Native Tribal Health Consortium Scholarship
2001 *Distinguished Presentation Award*, Arizona College of Public Health Internship Conference
2005 *Alumni Inductee*, Delta Omega Honor Society (Public Health)
2010-2011 Zuckerman Family Foundation Scholarship
2010-2015 Ecotrust Native American Scholarship
2012 *Travel Award*, Dean's Circle of Excellence, Mel and Enid Zuckerman College of Public Health and Graduate, The University of Arizona
2012 *Travel Award*, Graduate Professional Student Council, The University of Arizona
2013 Nominated for *Outstanding Teaching Assistant*, Mel and Enid Zuckerman College of Public Health, The University of Arizona
2015 *Student Inductee*, Delta Omega Honor Society (Public Health)
2017 Selected as National Institute on Minority Health and Health Disparities (NIMHD) Health Disparities Research Institute (HDRI) Scholar
2020 Intersectional Advocacy for Equity in STEM Award from the University of Arizona Women in Science and Engineering Program and the Women in STEM Student Council
2021 Global Chair, ENRICH: Equity for Indigenous Research and Innovation Coordinating Hub, New York University
2021-Present Sigma Xi, Scientific Research Honor Society

SERVICE / OUTREACH

Local/State Outreach

Local/State Service Contributions - *In Current Rank*

- 2017-2018** *Board Member*, Living Streets Alliance, Tucson, AZ.
2018-present *Advisory Council*, Living Streets Alliance, Tucson, AZ.

Local/State Community Presentations - *In Current Rank*

- 2016** **Rainie, Stephanie Carroll**, Carmella Kahn**, Christina Ore de Boehm**, "Nation Building for Tribal Wellness," Arizona Indian Education Youth Conference, November 29-30, 2016, Tucson, AZ.
2018 Walter, Maggie, **Stephanie Carroll Rainie**, "Indigenous Data Sovereignty," School of Social Transformation, Arizona State University, November 27, 2018, Tempe, AZ.

** Indicates student author

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Local/State Conferences Organized - *In Current Rank*

2017 *Planning Committee*, Arizona Rural Health Conference, Flagstaff, AZ, July 25-26, 2017.

Local/State Workshops Organized - *In Current Rank*

2018 *Lead*, University of Arizona Native Faculty Policy Forum: Scholars Roles in the Governance of Indigenous Data in Arizona. September 7-8, 2018.

2018 *Planning Committee Member*, “Indigenous Foods Knowledge Network Inaugural Meeting. Co-hosted by the Gila River Indian Community, University of Colorado Boulder, and the University of Arizona. March 1-2, 2018. Gila River Indian Community, AZ.

2019 *Planning Committee Member*, “Indigenous Foods Knowledge Network Meeting.” Co-hosted by the Tohono O’odham Nation, University of Colorado Boulder, and the University of Arizona. March 13-15, 2019. Tohono O’odham Nation and Tucson, AZ.

2019 *Lead*, “Indigenous Data Sovereignty Summit in Arizona.” Co- hosted by the Intertribal Council of Arizona, Native Nations Institute at the University of Arizona, and the US Indigenous Data Sovereignty Network. April 24, 2019. Phoenix, AZ.

2020 *Lead*, “Data and Research Priorities for Southwest Tribal Climate Resilience Summit.” Co-hosted by the Intertribal Council of Arizona, Native Nations Institute at the University of Arizona, and the US Indigenous Data Sovereignty Network. October 21, 2020.

National/International Outreach

National Service Contributions - *In Current Rank*

2004-present *Committee Member*, Cornell University, Cornell Alumni Admissions Ambassador Network, Committee 711

2016-present *Co-Founder and Advisory Board Member*, United States Indigenous Data Sovereignty Network, usindigenousdata.org

2018-present *Inaugural Member*, National Academies of Sciences, New Voices in Science, Engineering, and Medicine Network

2018-present *Member*, Board of Regents, Copper River Tribal University

2018-present *Member*, Research Advisory Council, National Native American Boarding School Coalition

2020-present *Member*, American Indian and Alaska Native Collaborative Research Engagement Workgroup, National Institute on Drug Abuse

2020-present *Member*, Center for the Ethics of Indigenous Genomic Research (CEIGR) Advisory Board

2020 *Member*, Data Sharing Strategies Work Group, Northwest Portland Area Indian Health Board

2021 *Member*, Robert Wood Johnson Foundation, Transforming Data Systems to Advance Health and Wellbeing of American Indians and Alaska Natives Populations Expert Panel

2021-present *Member*, Seven Direction Indigenous Determinants of Health Advisory Board

International Service Contributions - *In Current Rank*

2017-present *Co-Founder and Chair*, International Indigenous Data Sovereignty Interest Group, Research Data Alliance

2019-present *Co-Founder and Chair*, Global Indigenous Data Alliance

2019-present *Member*, Organizational Assembly, Research Data Alliance

2020-2021 *Member*, AISynergy Committee for The IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems

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- 2020-present** *Chair*, Indigenous Data Working Group for The IEEE Society on Social Implications of Technology - Social Implications of Technology Standards Committee (SSIT/SC)
- 2020-present** *Expert*, Consultation on the Post COVID-19 implications on collaborative governance of genomics research, innovation and genetic diversity, UN FAO, Secretariat of the International Treaty on Plant Genetic Resources, in partnership with CIRAD and the Center for Science, Technology and Environmental Policy Studies, Arizona State University
- 2020-present** *Member*, The IEEE Society on Social Implications of Technology - Social Implications of Technology Standards Committee (SSIT/SC)
- 2020-present** *Member*, COVID-19 Working Group, Research Data Alliance
- 2020-present** *Chair*, COVID-19 Working Group Indigenous Data Subgroup, Research Data Alliance
- 2021** *Member*, Procurement Roundtables Project, “Mapping the Field: Data Science Solutions Used by Public Institutions,” New York University and the National Science Foundation.
- 2021** *Member*, “Trust and Doubt in Public-Sector Data Infrastructures Academic Workshop,” Data & Society
- 2021-present** *Member*, Equity Council, The Carpentries

Grant Reviewer - *In Current Rank*

- 2018-present** Royal Society of New Zealand
- 2019** Lever for Change, MacArthur Foundation
- 2020-present** National Science Foundation

Peer Reviewer, Journals - *In Current Rank*

- 2014-present** Associate Editor, *International Indigenous Policy Journal*
- 2018** *American Indian Culture and Research Journal*
- 2018** *International Journal of Circumpolar Health*
- 2019** *Science Technology and Human Values*
- 2020** *Nature Communications Biology*
- 2020** *Journal of Population Research*
- 2020** *Journal of the American Medical Informatics Association*
- 2021** *BMC Genomic*
- 2021** *Progress in Community Health Partnerships*
- 2022** *Environment & Planning F*

Peer Reviewer, Other Documents - *In Current Rank*

- 2018** Rubin, Victor, Danielle Ngo, Ángel Ross, Dalila Butler, and Nisha Balaram. 2018. “Counting a Diverse Nation: Disaggregating Data on Race and Ethnicity to Advance a Culture of Health.” Oakland: PolicyLink.

National/International Community Presentations - *In Current Rank*

- 2016** **Rainie, Stephanie Carroll**, “Sustainable Healthy Committees Panel” at the Tribal Government Symposium: A forum to build knowledge, understanding, and relationships for the advancement of Tribal Governments in Alaska, Native Nations Institute and Tribal Management Program, University of Alaska, Fairbanks, November 15-17, 2016, Fairbanks, AK.

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- 2017** **Rainie, Stephanie Carroll**, “Center for Indigenous Environmental Health Research,” presented at the Convening for Indigenous Australian Scholars, The University of Arizona, February 13, 2017, Tucson, AZ.
- 2017** **Rainie, Stephanie Carroll**, “Indigenous Data Sovereignty,” presented at the Policy Forum: Indigenous Cultural Uses of Water, Native Nations Institute and the Institute for the Environment, University of Arizona, April 11-13, 2017, Tucson, AZ.
- 2017** **Rainie, Stephanie Carroll**, “Indigenous Data Sovereignty and Governance,” presented at Nation Rebuilding for Wellness: Indigenous Data Sovereignty and Governance, Center for Native American Health, University of New Mexico. May 16-17, 2017, Albuquerque, NM.
- 2017** **Rainie, Stephanie Carroll**, “Exploring Data for Nation Building: Indigenous Data Sovereignty and Governance,” BIA Native American Water Corps Program, July 14, 2017, Tucson, AZ.
- 2017** **Rainie, Stephanie Carroll**, and Maggie Walter, “Exploring Data Sovereignty for Self-Determination: Indigenous Data Sovereignty and Governance,” Jumbunna Institute: UTS Indigenous Nation Building International Workshop Series, October 19-21, 2017, Sydney, Australia.
- 2017** **Rainie, Stephanie Carroll**, “Data Governance: Towards Indigenous Data Sovereignty,” Victoria Aboriginal Community Controlled Health Organization, Inc., Members Meeting, October 17, 2017, Lakes Entrance, VIC, Australia.
- 2020** **Carroll, Stephanie Russo**, Nanibaa’ A. Garrison, “The Significance of Indigenous Data Sovereignty and Governance for Research Off Tribal Lands,” NIDA American Indian and Alaska Native Collaborative Research Engagement Workgroup Virtual Meeting, May 27, 2020.
- 2021** **Carroll, Stephanie Russo**, Randall Akee, Desi Rodriguez-Lonebear, “Indigenous Data Sovereignty: Role of Tribal Nations in Federal Framework for Indigenous Data,” the Self-Governance Communication and Education Tribal Consortium, February 9, 2021.
- 2021** **Carroll, Stephanie Russo**, Andrew Martinez, “Indigenous Data Sovereignty: An Overview and Potential Application of Data Governance for CRITFC” at the Columbia River Inter-Tribal Fish Commission (CRITFC) Inter-Tribal Monitoring Data Project Annual Meeting. April 13, 2021.
- 2021** **Carroll, Stephanie Russo**, “Governance and Sovereignty for Indigenous Data Futures” at the NB3 Notah Begay Foundation Grantees Meeting. October 6, 2021.
- 2021** Chief, Karletta, **Stephanie Russo Carroll**, Jani Ingram, “Assessing Navajo COVID-19 Risks and Increasing Indigenous Resilience” at the 2021 Bi-Annual Navajo Research Conference. October 20, 2021.
- 2022** **Carroll, Stephanie Russo**, Tahu Kukutai, Maggie Walter, “GIDA and the CARE Principles” at the UNESCO International Decade of Indigenous Languages Introductory Gathering. January 27, 2021.

National/International Conferences Organized - *In Current Rank*

- 2018** *Program Committee Member*, 5th International Open Data Conference, “The Future is Open,” September 20-21, 2018, Buenos Aires, Argentina.
- 2020** *Program Committee Member*, 6th International Open Data Conference, “Data 4 Development.” (Postponed from November 18-20, 2020, Nairobi, Kenya due to COVID-19).

National/International Symposia Organized - *In Current Rank*

- 2016** *Lead*, “International Indigenous Open Data Summit,” official pre-event to the International Open Data Conference, October 5, 2016, Madrid, Spain.
- 2016** *Lead*, “Tribal Government Symposium: A forum to build knowledge, understanding, and relationships for the advancement of Tribal Governments in Alaska,” Native Nations Institute and Tribal Management Program, University of Alaska, Fairbanks, November 15-17, 2016, Fairbanks, AK.

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- 2017** *Planning Committee Member*, “Policy Forum: Indigenous Cultural Uses of Water,” Native Nations Institute and the Institute for the Environment, University of Arizona, April 11-13, 2017, Tucson, AZ.
- 2017** *Planning Committee Member*, “Policy Forum: The Governance of Indigenous Data,” Native Nations Institute at the University of Arizona, University of California Los Angeles, and the US Indigenous Data Sovereignty Network, May 18-19, 2017, Los Angeles, CA.
- 2018** *Co-Lead*, “Policy Forum Supporting Tribal Data Governance for Community Resilience: A Southwest Indigenous Climate Summit,” Climate Assessment for the Southwest, Native Nations Institute, and the Institute for the Environment at the University of Arizona, and the US Indigenous Data Sovereignty Network, September 11-13, 2018, Tucson, AZ.
- 2020** *Co-Lead*, “Data Sovereignty Symposium for Indigenous Peoples and Tribal Nations in New Mexico,” co-hosted by the Albuquerque Area Southwest Tribal Epidemiology Center, Southwestern Indian Polytechnic Institute, NNI, and USIDSN, funded by WK Kellogg Foundation and the Morris K. Udall and Stewart L. Udall Foundation. (Postponed from April 27-28, 2020, Albuquerque, NM due to COVID-10.)
- 2021** *Lead*, “Policy Forum: Indigenous Professionals and Scholars for Indigenous Peoples’ Data Access and Governance in the US,” co-hosted by the United States Indigenous Data Sovereignty Network, the Native BioData Consortium, the Collaboratory for Indigenous Data Governance, the Data Warriors Lab, and the Indigenous Futures Institute, funded by the Mellon Foundation and the Morris K. Udall and Stewart L. Udall Foundation, on-line September 15 and October 29, 2021.

National/International Workshops Organized - *In Current Rank*

- 2016** *Lead*, “Indigenous Data and Information Sovereignty: Making Open Data Work for Indigenous Peoples,” convened at the Research Data Alliance 8th Plenary, International Data Week 2016, September 15, 2016, Denver, CO.
- 2017** *Co-Lead*, “Indigenous Data Sovereignty and Governance Masterclass,” Australian Indigenous Governance Institute, March 31, 2017, Brisbane, Australia.
- 2017** *Lead*, “Nation Rebuilding for Wellness: Indigenous Data Sovereignty and Governance,” Center for Native American Health, University of New Mexico. May 16-17, 2017, Albuquerque, NM.
- 2017** *Lead*, “Exploring Data Sovereignty for Self-Determination: Indigenous Data Sovereignty and Governance,” convened at the Jumbunna Institute: UTS Indigenous Nation Building International Workshop Series, October 19-21, 2017, Sydney, Australia.
- 2018** *Co-Lead*, “Introduction to Community-Based Research for Tribal and Environmental Health,” convened at the Udall Scholars Orientation, August 7, 2018, Tucson, AZ.
- 2018** *Lead*, “Workshop to Generate Research Data Alliance Recommendations for Indigenous Data Governance,” convened at the Research Data Alliance 12th Plenary, November 6, 2018, Gaborone, Botswana.
- 2018** *Lead*, “Workshop to Generate Research Data Alliance Recommendations for Indigenous Data Governance,” convened at the Research Data Alliance 12th Plenary, November 6, 2018, Gaborone, Botswana.
- 2019** *Planning Committee Member*, “Indigenous Foods Knowledge Network Meeting,” co-hosted by the Chickaloon Native Village, University of Colorado Boulder, and the University of Arizona, March 13-15, 2019, Chickaloon Native Village and Anchorage, AK.
- 2019** *Co-Lead*, “Advancing an International Indigenous Data Sovereignty Research Strategy,” July 10, 2019, Oñati, Spain.
- 2020** *Co-Lead*, Access to Indigenous Data: Integrating Community, Individual, and Analyst Interests Workshop. Co-hosted by ORCID, the US Indigenous Data Sovereignty Network, and the Global Indigenous Data Alliance. (Postponed from May 21, 2020, Washington, DC due to COVID-19.) On-line May 28, 2020.
- 2020** *Co-Lead*, Access to Indigenous Data: Integrating Community, Individual, and Analyst Interests Workshop. Co-hosted by ORCID, the US Indigenous Data Sovereignty Network, and the

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- Global Indigenous Data Alliance. (Postponed from May 21, 2020, Washington, DC due to COVID-19.) On-line June 9, 2020.
- 2020** *Co-Lead*, “Public health and health equity in the COVID-19 era,” convened at the Udall Scholars Orientation. On-line August 5, 2020.
- 2020** *Co-Lead*, Access to Indigenous Data: Integrating Community, Individual, and Analyst Interests Workshop. Co-hosted by ORCID, the US Indigenous Data Sovereignty Network, and the Global Indigenous Data Alliance. (Postponed from May 21, 2020, Washington, DC due to COVID-19.) On-line August 21, 2020.
- 2020** *Lead*, Data and Research Priorities for Southwest Tribal Climate Resilience Summit. Co-hosted by the Native Nations Institute, the Southwest Climate Adaptation Science Center, Climate Assessment for the Southwest, and the Indigenous Foods Knowledges Network with funding from the Inter Tribal Council of Arizona and the Bureau of Indian Affairs. On-line October 21, 2020.
- 2020** *Lead*, THO41 Operationalizing the CARE Principles for Indigenous Data Governance in Open-Data and Open-Science Environments workshop at the American Geophysical Union Conference. On-line December 7, 2020.
- 2021** *Planning Member*, Developing Standards for Indigenous Peoples’ Data Workshop Series organized by Tikanga in Technology, ENRICH, the Collaboratory for Indigenous Data Governance and The Maintainers. February 10, April 7, May 6, 2021.

National/International Panels Organized - *In Current Rank*

- 2016** *Lead*, “Data + Indigenous” Impact Panel, International Open Data Conference IODC2016, October 6, 2016, Madrid, Spain. Invited.
- 2017** *Lead*, “Generating Principles and Best Practices in Indigenous Data Sovereignty” at the International Indigenous Data Sovereignty Interest Group Session, Research Data Alliance 10th Plenary, September 10, 2017, Montreal, QC. Submitted.
- 2018** *Co-Chair*, “Indigenous Data Sovereignty: Global Progression” roundtable at the Native American and Indigenous Studies Association 10th Annual Meeting, May 18, 2018, Los Angeles, CA. Submitted.
- 2018** *Chair*, “The Governance of Indigenous Data: Generating a Framework and Principles” roundtable at the National Congress of American Indian Policy Research Center Pre-Conference Data Institute, June 3, 2018, Kansas City, MO. Submitted.
- 2018** *Lead*, “Indigenous Data Sovereignty: Science, Research, and the Governance of Indigenous Data” at the Scientific Data Conference part of International Data Week, November 5, 2018, Gaborone, Botswana. Submitted.
- 2018** *Chair*, “PA43C: Indigenous Data Sovereignty: How Scientists and Researchers Can Empower Indigenous Data Governance” session at the American Geophysical Union Conference, December 13, 2018, Washington, DC. Submitted.
- 2020** *Chair*, Joint Session of the International Indigenous Data Sovereignty Interest Group and the FAIR Data Maturity Model Working Group “Operationalising Be FAIR and CARE” at the Research Data Alliance 15th Plenary (COVID-19 rescheduled from Melbourne, Australia), April 7, 2020.
- 2020** *Chair*, Session of the International Indigenous Data Sovereignty Interest Group, “Enacting Indigenous Data Sovereignty through Indigenous Data Governance” at the Research Data Alliance Virtual 16th Plenary, November 11, 2020.
- 2020** *Chair*, Session of the International Indigenous Data Sovereignty Interest Group “Defining Indigenous Peoples’ Rights to Indigenous Data” at the Research Data Alliance Virtual 16th Plenary, November 12, 2020.
- 2020** *Chair*, Joint Session of the International Indigenous Data Sovereignty Interest Group and the FAIR Data Maturity Model Working Group “Implementing the CARE Principles: The CARE-Full Process” at the Research Data Alliance Virtual 16th Plenary, November 12, 2020.

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- 2020** *Chair*, “Operationalizing the CARE Principles for Indigenous Data Governance in Open Data and Open Science Environments” at the American Geophysical Union Fall Meeting, December 7, 2020.
- 2020** *Chair*, “Indigenous Data Sovereignty” Main Session and Lightning Talks at the GEO Indigenous Summit, December 9, 2020.

Professional Memberships

- 2009-present** National Congress of American Indians
- 2009-present** Native American Indigenous Studies Association
- 2014** American Public Health Association
- 2017-present** American Geophysical Union
- 2018-present** American Indian Science and Engineering Society
- 2020-present** Institute of Electrical and Electronics Engineers

College and Departmental Service and Committees

Department of Community, Environment and Policy Service and Committees - In Current Rank

- 2017-2018** *Member*, Annual Performance Review (APR) Peer Review Committee
- 2020-2021** *Member*, Faculty Search Committee, Professor, Environmental Health Sciences (Tenured)

Department of Health Promotion Sciences - In Current Rank

- 2018-2020** *Member*, Faculty Search Committee, Assistant/Associate/Full Professor, Indigenous Health (Tenure or Tenure Eligible)

Udall Center for Studies in Public Policy Service and Committees - In Current Rank

- 2005-present** *Chair*, Human Subjects Protection Program Departmental Review Committee

Mel and Enid Zuckerman College of Public Health Service and Committees - In Current Rank

- 2016-2018** *Member*, American Indian and Indigenous Health Alliance Dr. Lopez Scholarship Board
- 2017-2020** *Member*, Community Engagement, Practice, and Service (CEPAS) Committee, Department of Community, Environment, and Policy
- 2017-present** *Member*, Committee on Inclusion and Equity, Department of Community, Environment, and Policy
- 2017-present** *Member*, Public Health Policy and Management Admissions Committee
- 2017-present** *Member*, One Health Program Committee
- 2017-present** *Member*, One Health Admissions Committee
- 2019** *Member*, Committee on Promotion Guidelines for Lecturers

University of Arizona Service and Committees

In Current Rank

- 2001** *Member*, American Indian Graduate Center Transition Team
- 2015-2021** *Co-Lead*, Administrative Core, Center for Indigenous Environmental Health
- 2015-2021** *Co-Lead*, Pilot Projects Core, Center for Indigenous Environmental Health
- 2016-2018** *Steering Committee*, Bridging Biodiversity and Conservation Science
- 2016-2020** *Co-Founder and Chair*, UA Partnerships for Indigenous Environmental Strategies (UA PIES)

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- 2016-present** Member, Faculty Advisory Board, Center for Digital Society and Data Studies, College of Information
- 2017-present** Member, One Health Consortium
- 2017-present** President (2021-2022), Vice President (2019-2020), Secretary (2018-2019), Co-Founder and Member, University of Arizona Native Faculty
- 2018-2021** Executive Committee, American Indian Studies, Graduate Interdisciplinary Program
- 2018-present** Member, Institute of the Environment/Arizona Institute for Resilient Environment and Societies
- 2018** Reviewer and Subject Matter Expert, University Career Architecture Project (UCAP), Research – Healthcare and Medical
- 2018** Program Lead and Mentor, Sloan Indigenous Graduate Partnership
- 2018-2021** Lead, University of Arizona Native Faculty & the Native Nations Institute Indigenous Graduate Writing Group
- 2019-present** Faculty, Bridging Biodiversity and Conservation Science
- 2019-2020** Member, Steering Committee, UA/CODATA Center of Excellence in Data for Society
- 2019-2020** Member, UAHS American Indian and Alaska Native Partnership/Health Equity Strategic Initiative Working Group
- 2020-present** Co-Lead, Community Engagement Core, Superfund Research Center
- 2020-present** Member, UA Open Access Task Force
- 2021-present** Member, Southwest Environmental Health Sciences Center
- 2021-present** Lead, UArizona Stewardship of Indigenous Data
- 2021-present** Member, UArizona NIH Data Management Policy Workgroup
- 2020-present** Member, Faculty Advisory Board, Arizona Institute for Resilient Environment and Societies

PUBLICATIONS/CREATIVE ACTIVITY

Scholarly Books and Monographs

- 2021** Walter, Maggie, Tahu Kukutai, **Stephanie Russo Carroll**, Desi Rodriguez-Lonebear^o (Eds.) (2021). *Indigenous Data Sovereignty and Policy*, New York: Routledge.

^o Indicates student/postdoc author

Chapters in Scholarly Books and Monographs

- 2019** Lovett, Ray, Vanessa Lee, Tahu Kukutai, **Stephanie Carroll Rainie**, Jennifer Walker. (2019). “Good Data Practices for Indigenous Data Sovereignty,” in Angela Daly, Kate Devitt, & Monique Mann (Eds.), *Good Data*, Amsterdam: Institute of Network Cultures Inc. ISBN 978-94-92302-27-4. http://networkcultures.org/wp-content/uploads/2019/01/Good_Data.pdf
- 2019** **Rainie, Stephanie Carroll**, Tahu Kukutai, Maggie Walter, Oscar Luis Figueroa-Rodriguez, Jennifer Walker, Per Axelsson. (2019). “Issues in Open Data: Indigenous Data Sovereignty.” In T. Davies, S. Walker, M. Rubinstein & F. Perini (Eds) *The State of Open Data: Histories and Horizons* (pp. 300-319). Cape Town and Ottawa: African Minds and International Development Research Centre.
- 2020** Kukutai, Tahu, **Stephanie Russo Carroll**, Maggie Walter. (2020). “Indigenous Data Sovereignty,” in Mamo, D. (Ed.), *The Indigenous World 2020* (34th Edition, pp. 654-662), Copenhagen, Denmark: International Work Group for Indigenous Affairs (IWGIA). http://iwgia.org/images/yearbook/2020/IWGIA_The_Indigenous_World_2020.pdf
- 2021** Walter, Maggie, **Stephanie Russo Carroll**. (2021). “Chapter 1: Indigenous Data Sovereignty, Governance and the Link to Indigenous Policy,” in Walter, Maggie, Tahu Kukutai, **Stephanie**

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- Russo Carroll**, Desi Rodriguez-Lonebear** (Eds.) *Indigenous Data Sovereignty and Policy*, New York: Routledge.
- 2021** Walter, Maggie, **Stephanie Russo Carroll**, Tahu Kukutai, Desi Rodriguez-Lonebear^o. (2021). "Chapter 15: Embedding Systemic Change—Opportunities and Challenges," in Walter, Maggie, Tahu Kukutai, **Stephanie Russo Carroll**, Desi Rodriguez-Lonebear^o (Eds.) *Indigenous Data Sovereignty and Policy*, New York: Routledge.
- 2021** **Carroll, Stephanie Russo**, Maggie Walter, Tahu Kukutai. (2021). "Indigenous Data Sovereignty," in Mamo, D. (Ed.), *The Indigenous World 2021* (35th Edition, pp. 692-702), Copenhagen, Denmark: International Work Group for Indigenous Affairs (IWGIA).
- 2021** **Carroll, Stephanie Russo**, Stephen Cornell, Miriam Jorgensen. (2021). "Can a Self-Determination Strategy Improve Indigenous Health Care? Evidence from the United States," in Smith, D., Wighton, A., Cornell, S. and Delaney, A.V. (Eds.), *Developing Governance and Governing Development: International Case Studies of Indigenous Futures*, London: Rowman and Littlefield International.
- 2021** Johnson, N., Erickson, K.S.⁺, Ferguson, D.B., Jäger, M.B., Jennings, L.L.^o, Juan, A.R.⁺, Larson, S.⁺, Smythe, W.K.S., Strawhacker, C., Walker, A.⁺, **Carroll, S.R.**, 2021: The impact of COVID-19 on food access for Alaska Natives in 2020. *Arctic Report Card 2021*, T.A. Moon, M.L. Druckenmiller, and R.L. Thoman, Eds. Washington, DC: National Oceanic and Atmospheric Administration. <https://doi.org/10.25923/5cb7-6h06>.
- 2022** **Carroll, Stephanie Russo**, Daryle Rigney, Steve Hemming, Amy Della-Sale, Lauren Booker, Shaun Berg, Larissa Behrendt, Simone Bignall. (Forthcoming 2022). "Indigenous Data Sovereignty, Repatriation and the Biopolitics of DNA," in Fforde, C., Knapman, G., and Ormond-Parker, L. (Eds.), *Repatriation, Science and Identity*, London: Routledge.
- 2022** Rowe, Robyn K.^o, Kiri West^o, **Stephanie Russo Carroll**. (2022). "Indigenous Data Sovereignty," in Mamo, D. (Ed.), *The Indigenous World 2021* (36th Edition, pp. 691-702), Copenhagen, Denmark: International Work Group for Indigenous Affairs (IWGIA).
- 2022** Garrison, Nanibaa', **Stephanie Russo Carroll**. (Forthcoming 2022). "Enhancing Genomic Research in US Through the Lens of Indigenous Data Sovereignty," in Beech, B. and Heitman, E. (Eds.), *Race and Research 2nd Edition*, Washington, DC: American Public Health Association Press.

*Indicates articles primarily from dissertation

^o Indicates student/postdoc author

⁺ Indicates community author

Refereed Journal Publications

In Previous Rank

- 2014*** Schultz, Jennifer Lee^o, **Stephanie Carroll Rainie**. (2014). "The strategic power of data: A key aspect of sovereignty." *The International Indigenous Policy Journal*, 5(4). <https://doi.org/10.18584/iipj.2014.5.4.1>.
- 2015** **Rainie, Stephanie Carroll**, Miriam Jorgensen, Stephen Cornell, Jaime Arsenault. (2015). "The changing landscape of health care provision to American Indian nations." *American Indian Culture and Research Journal*, 39(1):1-24. <https://doi.org/10.17953/aicr.39.1.j1u030g668113403>.

*Indicates articles primarily from dissertation

^o Indicates student/postdoc author

In Current Rank

- 2017*** **Rainie, Stephanie Carroll**, Jennifer Lee Schultz^o, Eileen Briggs⁺, Patricia Riggs⁺, Nancy Lynn Palmanteer-Holder. (2017). "Data as strategic resource: Self-determination and the data challenge for United States Indigenous nations." *International Indigenous Policy Journal*, 8(2). <https://doi.org/10.18584/iipj.2017.8.2.1>.

CURRICULUM VITAE – Stephanie R. Carroll, DrPH, MPH

- 2017 **Rainie, Stephanie Carroll**, Ginger Stull^o. (2017). “Reframing return on investments for tribal colleges and universities: Aligning analyses with tribal priorities and educational missions.” *ETS Research Report Series*, RR-17-57:18-26. <https://doi.org/10.1002/ets2.12187>.
- 2019 Garrison, Nanibaa’, Maui Hudson, Leah Ballantine, Ibrahim Garba^o, Andrew Martinez, Maile Taualii, Laura Arbour, Nadine R. Caron, **Stephanie Carroll Rainie**. (2019). “Genomic Research through an Indigenous Lens: Understanding the Expectations.” *Annual Review of Genomics and Human Genetics* Volume 20(2019). <https://doi.org/10.1146/annurev-genom-083118-015434>.
- 2019 **Carroll, Stephanie Russo**, Desi Rodriguez-Lonebear^o, Andrew Martinez. (2019). “Indigenous Data Governance: Strategies from United States Native Nations.” *Data Science Journal* 18(31)p.1-15. <https://doi.org/10.5334/dsj-2019-031>.
- 2019 Garrison, Nanibaa’ A., Krysta S. Barton, Kathryn M. Porter, Thyvu Mai^o, Wylie Burke, **Stephanie Russo Carroll**. (2019). “Access and Management: Indigenous perspectives on Genomic Data Sharing.” *Ethnicity and Disease* 2019;29(Suppl 3):659-668. <https://doi.org/10.18865/ed.29.S3.659>.
- 2019 Jager, Mary Beth, Daniel B. Ferguson, Orville Huntington, Michael Kotutwa Johnson^o, Noor Johnson, Amy Juan⁺, Shawna Larson⁺, Peter Pulsifer, Tristan Reader, Colleen Strawhacker, Althea Walker⁺, Denali Whiting⁺, Jamie Wilson^o, Janene Yazzie⁺, **Stephanie Russo Carroll**. (2019). “Building an Indigenous Foods Knowledges Network Through Relational Accountability.” *Journal of Agriculture, Food Systems, and Community Development* 9(B). <https://doi.org/10.5304/jafscd.2019.09B.005>.
- 2020 Hudson, Maui, Nanibaa’ A. Garrison, Rogena Sterling, Nadine R. Caron, Keolu Fox, Joseph Yracheta, Jane Anderson, Phil Wilcox, Laura Arbour, Alex Brown, Maile Taualii, Tahu Kukutai, Rodney Haring, Ben Te Aika, Gareth S. Baynam, Peter K. Dearden, David Chagné, Ripan S. Malhi, Ibrahim Garba^o, Nicki Tiffin, Deborah Bolnick, Matthew Stott, Anna K. Rolleston, Leah L. Ballantyne, Ray Lovett, Dominique David-Chavez^o, Andrew Martinez, Andrew Sporle, Maggie Walter, Jeff Reading, **Stephanie Russo Carroll**. (2020). “Rights, interests and expectations: Indigenous perspectives on unrestricted access to genomic data.” *Nat Rev Genet* 21, 377-384. <https://doi.org/10.1038/s41576-020-0228-x>.
- 2020 Garrison, Nanibaa’ A., **Stephanie Russo Carroll**, Maui Hudson. (2020). “Entwined processes: Rescripting consent and strengthening governance in genomics research with Indigenous communities.” *Journal of Law, Medicine, and Ethics* 48, 218-220. <https://doi.org/10.1177/1073110520917020>.
- 2020 Rodriguez-Lonebear, Desi^o, Nicolás E. Barceló, Randal Akee, **Stephanie Russo Carroll**. (2020). “American Indian Reservations and COVID-19: Correlates of Early Infection Rates in the Pandemic.” *Journal of Public Health Management and Policy* 26(4): 371-7. <https://doi.org/10.1097/PHH.0000000000001206>.
- 2020 **Carroll, Stephanie Russo**, Desi Rodriguez-Lonebear^o, Randy Akee, Annita Lucchesi^o, Jennifer Rai Richards. (June 2020). “Indigenous Data in the COVID-10 Pandemic: Straddling Erasure, Terrorism, and Sovereignty.” Social Science Research Council, Items: Insights from the Social Sciences. <https://items.ssrc.org/covid-19-and-the-social-sciences/disaster-studies/indigenous-data-in-the-covid-19-pandemic-straddling-erasure-terrorism-and-sovereignty/>. Non-blinded review.
- 2020 **Carroll, Stephanie Russo**, Ibrahim Garba^o, Oscar L. Figueroa-Rodríguez, Jarita Holbrook, Ray Lovett, Simeon Materrechera, Mark Parsons, Kay Raseroka, Desi Rodriguez-Lonebear^o, Robyn K. Rowe^o, Rodrigo Sara, Jennifer D. Walker, Jane Anderson, Maui Hudson. (2020). “The CARE Principles for Indigenous Data Governance.” *Data Science Journal*, 19:43, pp. 1–12. <https://doi.org/10.5334/dsj-2020-043>.
- 2021 Austin C, Bernier A, Bezuidenhout L, Bicarregui J, Biro T, Cambon-Thomsen A, **Carroll S**, Cournia Z *et al.* with Research Data Alliance. (2020). “Fostering global data sharing: highlighting the recommendations of the Research Data Alliance COVID-19 working group.” *Wellcome Open Res* 5:267. <https://doi.org/10.12688/wellcomeopenres.16378.1>.

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- 2021 Maxson Jones, Katherine, Robert Cook-Deegan, Charles N. Rotimi, Shawneequa L., Callier, Amy R. Bentley, Hallam Stevens, Kathryn A. Phillips, Jeroen P. Jansen, Christopher F. Weyant, Dorothy E., Roberts, Dina Zielinski, Yaniv Erlich, Nanibaa' A. Garrison, **Stephanie Russo Carroll**, Pilar N. Ossorio, Yves Moreau, Maya Wang. (2021). "Complicated legacies: The human genome at 20." *Science* 05 Feb 2021:564-569. <https://doi.org/10.1126/science.abg5266>.
- 2021 Hiraldo, Danielle, Kyra James, **Stephanie Russo Carroll**. (2021). "Indigenous Sovereignty in a Pandemic: Tribal Codes in the United State as Preparedness." *Front Sociol* 6, 28: 1-9. <https://doi.org/10.3389/fsoc.2021.617995>.
- 2021 Gardner-Vandy Kat, Daniella Scalice, Juan Carlos Chavez, Dominique M David-Chavez, Kathryn J Daniel, Eddie Gonzales, Annette Lee, Jonathan Waterhouse, Joseph M Yracheta, George Gorospe, Jackie Goordial, Maui Hudson, **Stephanie Russo Carroll**, Jodie Williams, Timothy J McCoy, Carole Cadue-Blackwood, Jeff Atencio, Lauren Seyler, Alice Carron, Nathalie Cabrol, Jane Anderson, Michael Kirk. (2021.) "Relationships First and Always: A Guide to Collaborations with Indigenous Communities." *Bulletin of the American Astronomical Society* 53(4), 471. 10.3847/25c2cfcb.0de1af1a
- 2021 **Carroll, Stephanie Russo**, Randall Akee, Pyrou Chung, Donna Cormack, Tahu Kukutai, Raymond Lovett, Michele Suina⁺, Robyn K. Rowe^o. (2021). "Indigenous Data During COVID-19: From Outside to Within." *Front Sociol* 6:617895, 1-8. <https://doi.org/10.3389/fsoc.2021.617895>.
- 2021 **Carroll, Stephanie Russo**, Edit Herczog, Maui Hudson, Keith Russell, Shelley Stall. (2021). "Operationalizing the CARE and FAIR Principles for Indigenous Data Futures." *Nature Sci Data* 8, 108. <https://doi.org/10.1038/s41597-021-00892-0>.
- 2021 Rowe, Robyn K.^o, **Stephanie Russo Carroll**, Chyloe Healy, Desi Rodriguez-Lonebear, Jennifer Walker. (2021). "The SEEDS of Indigenous Population Health Data Linkage." *International Journal of Population Data Science* 6(1). <https://ijpds.org/article/view/1417>.
- 2021 Wilmer, Hailey, Alison M. Meadow, **Stephanie Russo Carroll**, Ibrahim Garba^o, Dan Ferguson, Gigi Owen, Amanda Bentley Brymer, Dannele E. Peck. (2021). "An expanded set of ethical principles for transdisciplinary social-ecological research." Online ahead of print at *Environmental Management* 68, 457-467. <https://doi.org/10.1007/s00267-021-01508-4>
- 2021 Jennifer R. Richards^o, Rachel Strom Chambers, Jaime Begay, Kendrea Jackson, Lauren Tingey, Hima Patel, Scott Carvajal, **Stephanie Russo Carroll**, Nicolette Teufel-Shone, Allison Barlow. (2021). "Diné (Navajo) female perspectives on mother-daughter communication and cultural assets around the transition to womanhood: a cross-sectional survey." *BMC Women's Health* 21, 341. <https://doi.org/10.1186/s12905-021-01473-4>
- 2022 Khan, Sana M.^o, Leslie V. Farland, Erika Austhof, Melanie L. Bell, Collin J. Catalfamo^o, Zhao Chen, Felina Cordova-Marks, Kacey C. Ernst, Pamela Garcia-Filion, Kelly M. Heslin, Joshua Hoskinson, Megan L Jehn, Emily C.S. Joseph, Connor P. Kelley, Yann Klimentidis, **Stephanie Russo Carroll**, Lindsay N. Kohler, Kristen Pogreba-Brown, Elizabeth T. Jacobs. (2022). "Elucidating symptoms of COVID-19 illness in the Arizona CoVHORT: a longitudinal cohort study." *BMJ Open* 12(e053403). Doi: 10.1136/bmjopen-2021-053403
- 2022 **Carroll, Stephanie Russo**, Ibrahim Garba, Rebecca Plevel, Desi Small-Rodriquez, Vanessa Y Hiratsuka, Maui Hudson and Nanibaa' A. Garrison. (2022). "Using Indigenous Standards to implement the CARE Principles: Setting Expectations through Tribal Research Codes." *Front Genet* 13:823309. doi: 10.3389/fgene.2022.823309
- 2022 Tsosie, Rebecca, Christine McCleave^o, Rose Miron, **Stephanie Russo Carroll**, Joseph Aguilar⁺, Ashleigh Thompson^o, Peter A. Nelson, Jun Sunseri, Isabel Trujillo⁺, GeorgeAnn M. DeAntoni, Gregg Castro, Tsim Schneider. (2022 Forthcoming). "Social Justice in Native North America: Reflections, Applications, and Future Directions in Archeology." Accepted at *American Antiquity*.
- 2022 Leonard, Kelsey, Rosie Alegado, Rachel Arsenault, Rene L. Begay, Julie Bernal, Dominique M. David-Chavez, Dawn D. Davis, Angela Gomez, Lydia Jennings, Aurora Kagawa-Viviani, Max Liboiron, Joshua Manitowabi, Bradley Moggridge, Stephanie Russo Carroll, Deondre Smiles, Lani Tsinnajinnie, Ranalda L. Tsosie, Vincent (ouvan Uitreg. "Water Back: A Review of Reclamation, Repatriation and Restoration for Indigenous Water Research Sovereignty." Accepted at *Water Alternatives Journal*.

CURRICULUM VITAE – Stephanie R. Carroll, DrPH, MPH

*Indicates articles primarily from dissertation

° Indicates student/postdoc author

+ Indicates community author

Other Refereed Publications

In Previous Rank

- 2016** Rainie, Stephanie Carroll, Ginger Stull°. Reframing return on investments for tribal colleges and universities: Aligning analyses with tribal priorities and educational missions. In Gasman, M., Castro Samayoa, A., Boland, W. C., Washington, A., Jimenez, C., & Esmieu, P. *Investing in student success: The return on investment of Minority Serving Institutions*. Philadelphia, PA: Penn Center for Minority Serving Institutions.

° Indicates student author

In Current Rank

- 2020** Johnson, Noor, Mary Beth Jäger, Lydia Jennings°, Amy Juan+, **Stephanie Russo Carroll**, Daniel B. Ferguson. (30 March 2020). "Indigenous Foods Knowledges Network: Facilitating Exchange between Arctic and Southwest Indigenous Communities on Food and Knowledge Sovereignty." *Witness Community Highlights*. Fairbanks: ARCUS: Arctic Research Consortium of the United States. Non-blinded review.
- 2020** Carroll, Stephanie Russo, Maui Hudson, Jarita Holbrook, Simeon Materrechera, Jane Anderson. 9 November 2020. "Working with the CARE principles: operationalizing Indigenous Data Governance." Ada Lovelace Institute.
<https://www.adalovelaceinstitute.org/operationalising-indigenous-data-governance/>

° Indicates student author

OTHER SCHOLARSHIP

Abstracts

In Current Rank

- 2017** Rainie, Stephanie Carroll, Daniel B. Ferguson, Andrew Martinez, "The Role of Reconciling Values in Efforts to Build Community Resilience to Global Environmental Change," poster presentation at the American Geophysical Union Conference, December 15, 2017, New Orleans, LA.
- 2018** David-Chavez, Dominique°, **Stephanie Carroll Rainie**, Daniel B. Ferguson, Sarah LeRoy, Andrew Curley, Travis Lane+, Sheldwin Yazzie, "Supporting Tribal Data Governance for Community Climate Resilience: A Southwest Indigenous Climate Summit," presented at the PA43C: Indigenous Data Sovereignty: How Scientists and Researchers Can Empower Indigenous Data Governance session at the American Geophysical Union Conference, December 13, 2018, Washington, DC.
- 2018** Rainie, Stephanie Carroll, Daniel Ferguson, Andrew Martinez, "Resilience, Sustainability, and Indigenous Communities: Knowledges in Dialogue for Environmental Research, Assessment, and Planning" (Abstract ID 399127) presented at the PA53A: Native Science to Action: How Indigenous Perspectives Inform, Diversify, and Build Capacity in Environmental Science and Policy I session at the American Geophysical Union Conference, December 14, 2018, Washington, DC.
- 2018** Rainie, Stephanie Carroll, Colleen Strawhacker, Noor Johnson, Peter L. Pulsifer, Daniel B. Ferguson, Tristan Reader, Mary Beth Jäger, Orville H. Huntington, and the Indigenous Foods Knowledges Network Steering Committee, "The Indigenous Foods Knowledges Network: Supporting Indigenous Scholars through Research and Academic Innovations" (Abstract ID 451206) presented at the ED13A: From Either/or to Yes/and: Increasing Indigenous Participation in Science by Simultaneously Cultivating STEM and Cultural Identities II session at the American Geophysical Union Conference, December 10, 2018, Washington, DC.
- 2018** Martinez, Andrew, **Stephanie Carroll Rainie**, "Using Data Sharing Agreements as Tools of Indigenous Data Governance: Current Uses and Future Options," presented at the PA43C: Indigenous Data Sovereignty: How Scientists and Researchers Can Empower Indigenous Data

CURRICULUM VITAE – Stephanie R. Carroll, DrPH, MPH

- Governance session at the American Geophysical Union Conference, December 13, 2018, Washington, DC.
- 2018** Walker, Jennifer, Bonnie Healy, Chyloe Healy, Tina Apsassin, William Wadsworth, Carmen Jones*, Jeff Reading, Laurel Lemchuk-Favelo, Raymond Lovett, Donna Cormack, **Stephanie Carroll Rainie**, Desi Rodriguez-Lonebearo, Robyn Roweo, “Perspectives on Linkage Involving Indigenous Data Sovereignty” presented at the International Population Data Linkage Conference, September 14, 2018, Banff, AB. *International Journal of Population Data Science* (2018) 3:3:410. DOI <https://doi.org/10.23889/ijpds.v3i4.999>
- 2019** Jennings, Lydiao, Mary Beth Jäger, Noor Johnson, **Stephanie Carroll Rainie**, “The Indigenous Foods Knowledges Network: Building Indigenous Led Collaborations across Biomes” PA54A-05 presented at the PA54A Growing Pains: Overcoming Obstacles and Working Together to Improve Research Collaboration in Science I session at the American Geophysical Union Conference, December 13, 2019, San Francisco, CA.
- 2019** Martinez, Andrew, **Stephanie Carroll Rainie**, “Indigenous Data Sovereignty Summit in Arizona: Building Shared Understanding and Identifying Tribal Leaders Needs,” presented at the PA51E-0926: Science to Action: Transformative Partnerships to Advance Decision-Relevant Science II Posters session at the American Geophysical Union Conference, December 13, 2019, San Francisco, CA.
- 2020** Natonabah, Serenao, Brianne Dewani Lauroo, Dominique M David-Chavez, **Stephanie Carroll**, “How are we supporting Indigenous data stewards?: Aligning Indigenous and federal environmental science research ethics guidelines,” presented at the SY020 Native Science to Action: How Indigenous Perspectives Inform, Diversity, and Build Capacity in Environmental Science and Policy Posters session at the American Geophysical Union Conference, December 9, 2020, New Orleans, LA.
- 2021** Jennings, Lydia L.o, Andrew Martinez, **Stephanie Carroll**, “The CARE Principles for Indigenous Data Governance,” invited to present at the U34A Open Science for Equitable Climate Action session at the American Geophysical Union Conference, December 15, 2021, New Orleans, LA.
- 2021** Jager, Mary Elizabeth, Noor Johnson, Kaare Erickson*, **Stephanie Carroll**, Daniel B Ferguson, Lydia L L. Jenningso, “Co-producing Knowledge in a Time of Rapid Change: Lessons from the Indigenous Foods Knowledges Network,” presented at the GC52C session Social and Ecological Consequences of Recent Changes in the Arctic and Subarctic Region I Oral session at the American Geophysical Union Conference, December 17, 2021, New Orleans, LA.

Curricula

In Current Rank

- 2022** **Rainie, Stephanie Carroll**, Jewel Cummins o. (Forthcoming). “Indigenous Data Sovereignty and Governance,” in Alissa Ruth, Amber Wutich, & H. Russell Bernard (Eds.), *The Handbook of Teaching Qualitative and Mixed Research Methods: A Step-by-Step Guide for Instructors*, London: Routledge.

Editor, Journals, Scholarly Books, and Monographs

In Current Rank

- 2020** Akee, Randall, **Stephanie Russo Carroll**, and Chandra Ford (Eds) (2020). Special Issue on COVID-19 and Indigenous Peoples: Impact of and Response to the Pandemic. *American Indian Culture and Research Journal* 44(2).
- 2020** Akee, Randall, **Stephanie Russo Carroll**, and Chandra Ford (Eds) (2020). Special Issue on COVID-19 and Indigenous Peoples: COVID-19 and Indigenous Peoples: Tools to Promote Equity and Best Practices. *American Indian Culture and Research Journal* 44(3).
- 2021** Hudson, Maui, **Stephanie Carroll Rainie** (Eds) (2021). Technologies to Operationalize Indigenous Data Sovereignty. *ElsHub Collections*. <https://elsihub.org/collection/technologies-operationalize-indigenous-data-sovereignty>

CURRICULUM VITAE – Stephanie R. Carroll, DrPH, MPH

- 2022 Cohen, Alison, **Stephanie Carroll Rainie**, Catherine Duarte^o. *IJERPH* Special Issue: Reducing Health Inequities: Social Epidemiology Insights for Public Health and Social Policy. 2021-2022.
^o Indicates student/postdoc author

Editor, Conference Proceedings

In Previous Rank

- 2002 Merideth, Robert, **Stephanie Carroll Rainie** (Eds.). Native American health and welfare in an age of new federalism. *Conference proceedings*. Tucson, AZ: Udall Center for Studies in Public Policy.
- 2003 **Rainie, Stephanie Carroll**, Joan Timeche, Kylie Dickman, Robert Merideth (Eds.). Native nations, the environment, and the State of California: Tribal-State relationships and environmental quality. *Workshop proceedings*. Tucson, AZ: Udall Center for Studies in Public Policy and Morris K. and Steward L. Udall Foundation.
- 2003 **Rainie, Stephanie Carroll** (Eds.). Building Native nations: Environment, natural resources, and governance. *Conference proceedings*. Tucson, AZ: Udall Center for Studies in Public Policy and Morris K. and Steward L. Udall Foundation.

Policy Publications and Reports

In Current Rank

- 2017 **Rainie, Stephanie Carroll**, Desi Rodriguez- Lonebear^o, Andrew Martinez. Policy Brief: Indigenous Data Sovereignty in the United States. Tucson: Native Nations Institute University of Arizona.
- 2017 **Rainie, Stephanie Carroll**, Desi Rodriguez- Lonebear^o, Andrew Martinez. Policy Brief: Data Governance for Native Nation Rebuilding (Version 2). Tucson: Native Nations Institute University of Arizona.
- 2018 **Rainie, Stephanie Carroll**, Tahu Kukutai, Maggie Walter, Oscar Luis Figueroa-Rodríguez, Jennifer Walker, Per Axelsson. Public draft: Open Data & Indigenous Data Sovereignty. In *The State of Open Data* edited by Tim Davies, Stephen Walker, Mor Rubinstein, and Fernando Perini.
- 2019 Research Data Alliance International Indigenous Data Sovereignty Interest Group. (September 2019). "CARE Principles for Indigenous Data Governance." The Global Indigenous Data Alliance. GIDA-global.org. Led by **Stephanie Russo Carroll** and Maui Hudson.
- 2019 Te Mana Raraunga, United State Indigenous Data Sovereignty Network, and Maiam nayri Wingara. (September 2019). "Onati Indigenous Data Sovereignty (ID-SOV) Communiqué. The Global Indigenous Data Alliance. GIDA-global.org. Led by Maggie Walter and Desi Rodriguez-Lonebear^o, contributing author **Stephanie Russo Carroll**.
- 2019 **Carroll, Stephanie Russo**, Nanibaa' Garrison, Maui Hudson, Leah Ballantyne, Dominique David-Chavez^o, Ibrahim Garba^o. (October 20, 2019). "Comments responding to Request for Information (RFI) soliciting additional input to the *All of Us* Research Program 2019 Tribal Consultation."
- 2019 Dominique David-Chavez^o, Daniel B. Ferguson, Andrew Curley, Travis Lane⁺, Sheldwin Yazzie, Sarah White, **Stephanie Russo Carroll**. Policy Brief: Supporting Tribal Data Governance for Indigenous Community Climate Resilience. Tucson: Native Nations Institute and Climate Assessment for the Southwest, University of Arizona.
- 2019 **Carroll, Stephanie Russo**, Andrew Martinez. Policy Brief: Indigenous Data Sovereignty in Arizona. Tucson: Native Nations Institute, University of Arizona and the Inter Tribal Council of Arizona.
- 2020 **Carroll, Stephanie Russo**, Maui Hudson, Jane Anderson. (March 17, 2020). "Response to Request for Comments (RFC) on Desirable Characteristics of Repositories for Managing and Sharing Data Resulting from Federally Funded Research."

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- 2020** **Carroll, Stephanie Russo**, Maui Hudson, Jane Anderson. (May 6, 2020). “Response to Request for Information (RFI) on Public Access to Peer-Reviewed Scholarly Publications, Data and Code Resulting from Federally Funded Research.”
- 2020** Research Data Alliance COVID-19 Working Group (2020). *Recommendations and guidelines on data sharing*. Research Data Alliance. <https://doi.org/10.15497/rda00052>. Indigenous Data subgroup moderated by **Stephanie Russo Carroll**.
- 2020** Research Data Alliance COVID-19 Indigenous Data Working Group. “Data sharing respecting Indigenous data sovereignty.” In RDA COVID-19 Working Group (2020). *Recommendations and guidelines on data sharing*. Research Data Alliance. <https://doi.org/10.15497/rda00052>. Moderated by **Stephanie Russo Carroll**. Contributors: **Stephanie R. Carroll**, Pyrou Chung, Donna Cormack, Maui Hudson, Tahu Kukutai, Robyn Rowe^o, Rodrigo Sara, Michele Suina, Maggie Walter.
- 2020** Arizona Public Health Association and select University of Arizona Faculty and Staff. “Letter to Governor Ducey and Dr. Christ on Evidence-based Recommendations for Improving the COVID-response in Arizona.” <https://static1.squarespace.com/static/56ec8d2562cd9413e14c0019/t/5f20a026d8069e7994a9b5d0/1595973670596/Joint+COVID+Letter+AZPHA+MEZCOPH.pdf>
- 2020** Hiraldo, Danielle, **Stephanie Russo Carroll**, Dominique M. David-Chavez^o, Mary Beth Jäger, Miriam Jorgensen. 2020. “Native Nation Rebuilding for Tribal Research and Data Governance.” NNI Policy Brief Series. Tucson: Native Nations Institute, University of Arizona.
- 2021** Welch, E., Louafi, S., **Carroll, S.R.**, Hudson, M., Ijsselmuiden, C., Kane, N., Leonelli, S., Marin, A., Özdemir, V., Reichman, J.H., Tuberosa, R., Ubalijoro, E., Wessler, J. 2021. Post COVID-19 Implications on Genetic Diversity and Genomics Research & Innovation: A Call for Governance and Research Capacity. <http://www.fao.org/3/cb5573en/cb5573en.pdf>

^o Indicates student/postdoc author

⁺ Indicates community author

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- 2008** Cornell, Stephen, Miriam Jorgensen, **Stephanie Carroll Rainie**, Ian Record, Ryan Seelau, Rachel Rose Starks. Per capita distributions of American Indian tribal revenues: A preliminary discussion of policy considerations. *Joint Occasional Papers on Native Affairs (JOPNA)*. Tucson, AZ and Cambridge, MA: Udall Center for Studies in Public Policy and Harvard Project on American Indian Economic Development.
- 2015** Schultz, Jennifer Lee^o, **Stephanie Carroll Rainie**, Rachel Rose Starks. Residence, community engagement, and citizenship: How do non-resident tribal citizens connect with Native nations. Tucson, AZ: Native Nations Institute. Retrieved from <http://nni.arizona.edu/pdfs/offrezsummaryreport.pdf>

WORKS IN PROGRESS

David-Chavez, Dominique^o, Lydia Jennings^o, **Stephanie Russo Carroll**, Ibrahim Garba^o, Janene Yazzie⁺, Daniel Hikoroa. “United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP): Responsibilities for scientists, researchers, and data practitioners.” In preparation for *Science*.

Ferguson, Daniel, Dominique David-Chavez, Mary Beth Jäger, Andrew Martinez, **Stephanie Russo Carroll**. “A Dialogue of Ways of Knowing: Shifting Power for Long-Term Resilience.” In preparation.

Ibrahim Garba^o, **Carroll, Stephanie Russo**, Garrison, Nanibaa’, Desi Rodriguez-Lonebear^o, Vanessa Hiratsuka. “Governance of Research through Tribal Regulation and Research Codes.” In preparation.

Carroll, Stephanie Russo, Yoshira Ornelas Van Horne^o, Nathan Lothrop^o, Jennifer Rai Richards, Janene Yazzie⁺, Becky Clausen, ..., Karletta Chief, Paloma Beamer. “Environmental Health Dialogue for Risk Communication with Diné Communities following the Gold King Mine Spill.” In preparation for *Environmental Health Perspectives*.

Richards, Jennifer^o, Kristen Tallis^o, Scott Carvajal, Michelle Kahn-John, Rachel Chambers, **Stephanie Russo Carroll**, Nicolette Teufel-Shone. “We are Walking in Your Footsteps: A Systematic Review of

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Strengths-Based Intergenerational Interventions in North American Indigenous Communities and Implications for American Indian Mother-Daughter Intervention Development.” In preparation.

Carroll, Stephanie Russo, Jane Anderson, Maui Hudson, Andy Russell, Adam Fernandez°. “Strategic Interventions: Developing Standards for Indigenous Peoples’ Data.” In preparation.

Dreifuss, Heather°, Nicole Yuan, **Stephanie Russo Carroll**, Mark Bauer, Nicolette Teufel-Shone. “Utilizing Digital Storytelling to Develop a Public Health Professions Pathway for Native American High School Students” Submitted to *Health Promotion Practice*.

Carroll, Stephanie Russo*, Jessica Black°, Stephen Cornell, Angela Gonzales, Nancy Lynn Palmanteer-Holder, Jennifer Lee Schultz °, Michele Suina*, Miriam Jorgensen, Nicolette Teufel-Shone. “Reclaiming Indigenous health in the US: Moving beyond the social determinants of health.” Submitted to *International Journal of Environmental Public Health*.

*Indicates articles primarily from dissertation

° Indicates student/postdoc author

+ Indicates community author

MEDIA

Expert Interviews

In Current Rank

- 2018** Ingriue Salt. (2018). How we as Indigenous peoples challenge science. *Indigenous Stewards* 3;5-6. Tucson: Southwest Environmental Health Sciences Center at the College of Pharmacy, University of Arizona.
- 2020** Bennett-Begay, Jourdan. (April 26, 2020). Behind those COVID-19 numbers. *Indian Country Today*. <https://indiancountrytoday.com/news/behind-those-covid-19-numbers-7371Ya9GmkOG-P6RXFlsfq>
- 2020** Kaplan, Elise and Theresa Davis. (May 31, 2020). ‘Huge disparity’ in COVID-19 death rates for Native Americans in NM. *Albuquerque Journal*. <https://www.abqjournal.com/1461218/huge-disparity-in-covid19-death-rates-for-native-americans-in-nm.html>
- 2020** Curtis, Chelsea. (June 4, 2020). Hopi Tribe releases ZIP code data, but COVID-19 data for Arizona’s 22 communities is confusing. *Arizona Republic*. <https://www.azcentral.com/story/news/local/arizona-health/2020/06/04/coronavirus-arizona-indigenous-communities-cases-covid-19-data-hopi-navajo/3091650001/>
- 2020** Bichell, Rae Ellen. Pandemic complicates tribes’ quest for data sovereignty. *KUNC*. <https://www.kunc.org/post/pandemic-complicates-tribes-quest-data-sovereignty#stream/0>
- 2020** Goodluck, Kalen. (October 8, 2020). Indigenous data sovereignty shakes up research. *High Country News*. <https://www.hcn.org/articles/indigenous-affairs-covid19-indigenous-data-sovereignty-shakes-up-research>
- 2020** Goodluck, Kalen. (October 10, 2020). COVID is strengthening the push for Indigenous data control. *WIRED*. <https://www.wired.com/story/covid-is-strengthening-the-push-for-indigenous-data-control/>
- 2020** Goodluck, Kalen. (October 11, 2020). In the COVID-19 era, tribal nations want research in service of their people. *Mother Jones*. <https://www.motherjones.com/environment/2020/10/in-the-covid-19-era-tribal-nations-want-research-in-service-of-their-people/>
- 2021** “*Run to: Be Visible.*” (October 26, 2021). Patagonia Trail Running Series. Film can be viewed [here](#), and was translated into 9 languages.
- 2021** University of Arizona Health Sciences. (November 18, 2021). Aligning Research with Indigenous Data Sovereignty. *Health Sciences Connect*. <https://healthsciences.arizona.edu/connect/features/aligning-research-indigenous-data-sovereignty>
- 2021** University of Arizona Health Sciences. (November 18, 2021). Meet the Expert: Dr. Stephanie Russo Carroll. *Expert Insights*. <https://www.youtube.com/watch?v=7zIPwlJvexg>

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- 2021 Mittan, Kyle. (November 23, 2021). UArizona Postdoc's 50-Mile Run for Indigenous Scientists Featured in Patagonia Film. *UArizona News*. <https://news.arizona.edu/story/uarizona-postdocs-50-mile-run-indigenous-scientists-featured-patagonia-film>
- 2021 University of Arizona Health Sciences. (December 3, 2021). Aligning Research with Indigenous Data Sovereignty. *Native News Online*. <https://nativenewsonline.net/health/aligning-research-with-indigenous-data-sovereignty>

In Previous Rank

- 2009 Ruiz-McGill, Rebecca. (2009, July 24). Research finds tribal management key to improved health services. *UA News*. Online news article. Retrieved from <http://uanews.org/story/research-finds-tribal-management-key-improved-health-services>. Accessed July 16, 2014
- 2009 Arsenault, Jaime, **Stephanie Carroll Rainie**. (2009, July 19). Does tribal management of health care delivery increase access to care? *Indian Country Today*.
- 2011 Ruiz-McGill, Rebecca. (2011, June 29). UA Native Nations Institute to study tribal health care. *UA News*. Online news article. Retrieved from <http://uanews.org/story/ua-native-nations-institute-study-tribal-health-care>. Accessed July 16, 2014
- 2012 Kelly, Gerri. (2012, September 20). Graduate students invited to speak at international conference in Australia. *University of Arizona College of Public Health news*. Retrieved from <http://publichealth.arizona.edu/news/2012/graduate-students-invited-speak-international-conference-australia>. Accessed July 16, 2014
- 2012 **Rainie, Stephanie Carroll**, Christina Ore de Boehm. Local experts explore Indigenous health worldwide. (2012, November 5). Interview with Tony Paniagua. *Arizona Illustrated*. Television Interview. Retrieved from <https://originals.azpm.org/p/on-azill/2012/11/5/18310-health-among-indigenous-populations/>. Accessed July 16, 2014
- 2014 Schultz, Jennifer, **Stephanie Carroll Rainie**, Aurora Trujillo. (2014, July 16). Study evaluates young Native adults' connections to tribal lands. Interview with Andrea Kelly. *Arizona Public Media*. Radio Interview. Retrieved from <https://www.azpm.org/p/top-news/2014/7/16/39586-study-evaluates-young-native-adults-connection-to-tribal-lands/>. Accessed July 16, 2014.
- 2014 Schultz, Jennifer Lee, **Stephanie Carroll Rainie**. (2014, June 3). Good data leads to good sovereignty. *Indian Country Today*. Retrieved from <http://indiancountrytodaymedianetwork.com/2014/06/03/good-data-leads-good-sovereignty>. Accessed 25 September 2014.
- 2015 Schultz, Jennifer, **Stephanie Carroll Rainie**. (2015, August 8). Metro Week: Native American youth desire ties to homeland. Television interview with Andrea Kelly. *Arizona Public Media*. Retrieved from <https://originals.azpm.org/p/on-metroweek/2015/8/7/69718-metro-week-study-shows-native-american-youth-want-to-connect-with-reservations/>. Accessed December 6, 2015.

CONFERENCES/SCHOLARLY PRESENTATIONS

Invited Extramural Scholarly Presentations (77)

In Current Rank

- 2016 **Rainie, Stephanie Carroll**, Abigail Echo-Hawk*, "Nation Building for Wellness: Tribal Data Sovereignty for Healthy Indigenous Communities," presented at the National Tribal Forum for Excellence in Community Health Practice, August 30-31, 2016, Spokane, WA.
- 2016 **Rainie, Stephanie Carroll**, Desi Rodriguez-Lonebear^o, Andrew Martinez, "Indigenous Data Sovereignty: Making Open Data By and For Indigenous Peoples," presented at the Indigenous Open Data Summit, International Open Data Conference IODC2016, October 5, 2016, Madrid, Spain.
- 2016 **Rainie, Stephanie Carroll**, Desi Rodriguez-Lonebear^o, Andrew Martinez, "Indigenous Data Sovereignty: Making Open Data By and For Indigenous Peoples," presented at the Data + Indigenous Impact panel, International Open Data Conference IODC2016, October 6, 2016, Madrid, Spain.

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- 2016 **Rainie, Stephanie Carroll**, Desi Rodriguez-Lonebear^o, Andrew Martinez, “Indigenous Data Sovereignty,” a Presentation for Continuing Education Units to the U.S. Government Accountability Office, December 8, 2016, web cast.
- 2016 **Rainie, Stephanie Carroll**, “Center for Indigenous Environmental Health Research,” presented at the Land Recycling and New Tools for Creating Healthy Communities and Economic Growth Workshop, October 28, 2016, Tucson, AZ.
- 2016 **Rainie, Stephanie Carroll**, Nicolette Teufel-Shone, “Center for Indigenous Environmental Health Research,” presented at the Centers for Environmental Health Disparities Annual Meeting, December 5, 2016 in Durham, NC.
- 2017 **Rainie, Stephanie Carroll**, “Strengthening Tribal Health: Weaving Together Indigenous Knowledge and Western Science,” presented at the WRPHTC Improving Indigenous Public Health Systems: Program Planning and Evaluation Session, February 15, 2017, Tucson, AZ.
- 2017 **Rainie, Stephanie Carroll**, Desi Rodriguez-Lonebear**, “United States Indigenous Nation Data Governance: Toward Data Sovereignty,” presented at the Policy Forum: The Governance of Indigenous Data, May 18, 2017, Los Angeles, CA.
- 2017 **Rainie, Stephanie Carroll**, Desi Rodriguez-Lonebear**, “United States Indigenous Nation Data Governance: Toward Data Sovereignty,” presented at the National Congress of American Indians’ Mid Year Pre-Conference Data Partners Gathering “Building Tribal Research and Evaluation Capacity”, June 12, 2017, Uncasville, CT.
- 2017 **Rainie, Stephanie Carroll**, Andrew Martinez, “Indigenous Data Sovereignty: Opportunities for Tribal/Federal Collaboration,” presented at the Society of American Indian Government Employees “Standing Together” conference, June 7, 2017, Scottsdale, AZ.
- 2017 Jorgensen, Miriam, **Stephanie Carroll Rainie**, “Data Initiatives at the University of Arizona and the Harvard Project,” presented at the Data for Indian Economic Development Workshop as part of the Tribal-Interior Budget Council (TIBC), Meeting, July 24, 2017, Flagstaff, AZ.
- 2017 **Rainie, Stephanie Carroll**, Desi Rodriguez-Lonebear**, “Introduction to Indigenous Data Sovereignty and Governance,” presented at the International Indigenous Data Sovereignty Interest Group Session “Generating Principles and Best Practices in Indigenous Data Sovereignty” at the Research Data Alliance 10th Plenary, September 10, 2017, Montreal, QC.
- 2018 **Rainie, Stephanie Carroll**, “Indigenous Data Sovereignty: How Scientists and Researcher Can Empower Data Governance,” plenary presentation at the Earth Science Information Partners 2018 Summer Meeting, July 18, 2018, Tucson, AZ.
- 2018 **Rainie, Stephanie Carroll**, Ji-Ping Lin, and Daniel Villatoro. “Indigenous Data Sovereignty,” presentation at the International Open Data Conference 2018 Data + Indigenous Impact Session, September 27, 2018, Buenos Aires.
- 2018 **Rainie, Stephanie Carroll**, “Indigenous Data Sovereignty & Open Data” Chapter from the State of Open Data Report presentation at the International Open Data Conference 2018 Mind the Gap – Mapping the Open Data Ecosystem Action Session, September 28, 2018, Buenos Aires.
- 2019 **Rainie, Stephanie Carroll**, “The Significance of Indigenous Data Sovereignty” presentation at the Indigenous Data Sovereignty Summit in Arizona, April 24, 2019, Phoenix, AZ.
- 2018 **Rainie, Stephanie Carroll**, “Indigenous data sovereignty: An Update from the Field,” University of New Mexico Tribal Data Champions, October 22, 2018, Albuquerque, NM.
- 2020 Garba, Ibrahim, **Stephanie Russo Carroll**, Danella Hall^o, Vanessa Hiratsuka, Desi Rodriguez-Lonebear, Naniibaa’ Garrison, “Tribal Sovereignty and Research Ethics: A Review of US Tribal Legislation,” at the 9th Biennial International Indigenous Research Conference sponsored by Ngā Pae o te Māramatanga (NPM), Māori Centre of Research Excellence, University of Auckland, Auckland, NZ. November 2020.
- 2019 **Rainie, Stephanie Carroll**, “Indigenous Data Sovereignty and Genomics Research” presentation at the Indigenous Initiatives in Genome Research Workshop with Nature Research Publications, May 14, 2019, New York City, NY.
- 2019 **Rainie, Stephanie Carroll**, Mary Beth Jäger, Dominique M. David-Chavez^o, “The Significance of Indigenous Data Sovereignty and Governance,” National Aeronautics and Space Administration American Indian and Alaska Native Working Group Meeting, May 30, 2019, webinar.
- 2019 **Carroll, Stephanie Russo** and Carrie Nuva Joseph^o. 2019. Implications of Indigenous Data Sovereignty for Public Health Tracking. Environmental Public Health Tracking in Tribal Lands.

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- Hosted by Arizona Department of Health Services and the Center for Disease Control, June 13, 2019, Native American Cultural Center, Northern Arizona University, Flagstaff, AZ.
- 2019** **Carroll, Stephanie Russo**, Maui Hudson. “The CARE Principles for Indigenous Data Governance” presentation at the International Law, The United Nations Declaration of the Rights of Indigenous Peoples and Indigenous Data Sovereignty Workshop, July 11, 2019, Oñati, Spain.
- 2020** Anderson, Jane, **Stephanie Russo Carroll**, “The CARE Principles and Biocultural (BC) Labels,” NYU Public Interest Technology Alliance Launch, New York University, February 6, 2020, New York, NY.
- 2020** **Carroll, Stephanie Russo**, “Enhancing Genomic Research in the US Through the Lens of Indigenous Data Sovereignty,” at the Innovation Policy Colloquium, New York University School of Law, February 6, 2020, New York, NY.
- 2020** **Carroll, Stephanie Russo**, “The Significance of Indigenous Data Sovereignty and Governance” on the panel “What if we design for plurality?” at the IAM (Internet Age Media) Weekend “The Weirdness of Interdependency” virtual conference (COVID-19 virtual presentation rescheduled from Barcelona, Spain), March 20, 2020.
- 2020** **Carroll, Stephanie Russo**, “The Significance of Indigenous Data Sovereignty and Governance” keynote plenary at the Arctic Observing Summit virtual conference (COVID-19 virtual presentation rescheduled from Akureyri, Iceland), March 31, 2020.
- 2020** **Carroll, Stephanie Russo**, “The Significance of Indigenous Data Sovereignty for Climate Resilience” on the panel “Perspective on observing needs focused on Indigenous, private sector and science needs” at the Arctic Observing Summit virtual conference (COVID-19 virtual presentation rescheduled from Akureyri, Iceland), April 1, 2020.
- 2020** **Carroll, Stephanie Russo**, “The CARE Principles for Indigenous Data Governance” at the Joint Session of the International Indigenous Data Sovereignty Interest Group and the FAIR Data Maturity Model Working Group “Operationalising Be FAIR and CARE” at the Research Data Alliance 15th Plenary (COVID-19 virtual presentation rescheduled from Melbourne, Australia), April 7, 2020.
- 2020** **Carroll, Stephanie Russo**, “The CARE Principles for Indigenous Data Governance” at the Access to Indigenous Data: Integrating Community, Individual, and Analyst Interests Virtual Workshop. Co-hosted by ORCID, DataCite, the US Indigenous Data Sovereignty Network, and the Global Indigenous Data Alliance. (Postponed from May 21, 2020, Washington, DC due to COVID-19.) May 28, 2020.
- 2020** **Carroll, Stephanie Russo**, Desi Rodriguez-Lonebear, Cheryl Ellenwood, “The Significance of Indigenous Data Sovereignty for Funders” funders only lecture for International Funders for Indigenous Peoples, online webinar, April 27, 2020.
- 2020** **Carroll, Stephanie Russo**, “The Significance of Indigenous Data Sovereignty and Governance for Hackathons” at the GEO Indigenous Hack4COVID-19 virtual event, June 6, 2020.
- 2020** **Carroll, Stephanie Russo**, “The CARE Principles for Indigenous Data Governance” at the Indigenous Data Sovereignty: Tools for Transparency Virtual Workshop. Co-hosted by ORCID, DataCite, the US Indigenous Data Sovereignty Network, and the Global Indigenous Data Alliance. (Postponed from May 21, 2020, Washington, DC due to COVID-19.) June 9, 2020.
- 2020** **Carroll, Stephanie Russo**, “Indigenous Rights and Interests” on the Perspectives on Engaging Disproportionately Affected Communities Panel at The Role of Science Communication in Addressing the Disproportionate Effects of COVID-19 on Vulnerable Populations Open Session. Hosted by the National Academies of Science, Engineering and Medicine Standing Committee on Advancing Science Communication Research and Practice. June 12, 2020. (400+ attendees.)
- 2020** **Carroll, Stephanie Russo**, “The Significance of Indigenous Data Sovereignty and Governance” in the Digital Value, Data Rights, Extractivism & Indigenous Knowledge Panel for the CODATA Center of Excellence in Data for Society at the University of Arizona (CEDS) MiniForum at the Extraction: Tracing the Veins virtual conference. Co-hosted by Massey University, New Zealand and Wageningen University and Research, The Netherlands. June 30, 2020.
<http://perc.ac.nz/wordpress/ceds-miniforum-on-data-mining/>

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- 2020** **Carroll, Stephanie Russo**, Discussant at the Data Values and Indigenous Knowledge Panel for the CODATA Center of Excellence in Data for Society at the University of Arizona (CEDS) MiniForum at the Extraction: Tracing the Veins virtual conference. Co-hosted by Massey University, New Zealand and Wageningen University and Research, The Netherlands. July 6, 2020. <http://perc.ac.nz/wordpress/ceds-miniforum-on-data-mining/>
- 2020** **Carroll, Stephanie Russo**, “Sovereignty and Governance for Indigenous Data Futures,” at the American Indian and Alaska Native (AIAN) Data Sovereignty Webinar Series. Hosted by the AIAN-Clinical Translational Research Program (CTRP) which is a program intended to enhance AIAN research capacity throughout Alaska and Montana. July 22, 2020.
- 2020** **Carroll, Stephanie Russo**, “GIDA-RDA COVID-19 Guidelines for Data Sharing Respecting Indigenous Data Sovereignty,” at the “Understanding the Impact of the RDA COVID-19 Recommendations and Guidelines on Data Sharing” webinar hosted by the United States Research Data Alliance which is an international community-driven organization building the social and technical infrastructure to enable data sharing. August 7, 2020.
- 2020** **Carroll, Stephanie Russo**, Jane Anderson “Operationalizing the CARE Principles for Indigenous Data Governance” Webinar. Hosted by OCLC. August 11, 2020.
- 2020** **Carroll, Stephanie Russo**, “Indigenous Data Sovereignty and the CARE Principles for Indigenous Data Governance” at the Indigenous Data Sovereignty: Activating Policy and Practice Webinar. Co-hosted by ORCID, the US Indigenous Data Sovereignty Network, and the Global Indigenous Data Alliance. (Postponed from May 21, 2020, Washington, DC due to COVID-19.) August 20, 2020.
- 2020** **Carroll, Stephanie Russo**, “Operationalizing the CARE Principles for Indigenous Data Governance in Research” part of Genetic Genomics and Ethics for Native (GEN) Students Program at Oklahoma State University Indigenous Research Impact Series. September 11, 2020.
- 2020** **Carroll, Stephanie Russo**, “Operationalizing the CARE Principles for Indigenous Data Governance in Research Data Management” part of the NNLM Network of the National Library of Medicine Research Data Management Webinar and Training (MLA CE) Series. Hosted by Network of the National Library of Medicine. September 24, 2020.
- 2020** **Carroll, Stephanie Russo**, “Indigenous Data Governance” at the Data and Research Priorities for Southwest Tribal Climate Resilience Summit. Co-hosted by the Native Nations Institute, the Southwest Climate Adaptation Science Center, Climate Assessment for the Southwest, and the Indigenous Foods Knowledges Network with funding from the Inter Tribal Council of Arizona and the Bureau of Indian Affairs. On-line October 21, 2020.
- 2020** **Carroll, Stephanie Russo** and Maui Hudson, “CARE Principles and Open Data Post COVID” at the Consultation on the Post COVID-19 implications on collaborative governance of genomics research, innovation and genetic diversity workshop hosted by UN FAO, Secretariat of the International Treaty on Plant Genetic Resources, in partnership with CIRAD and the Center for Science, Technology and Environmental Policy Studies, Arizona State University. October 28, 2020.
- 2020** **Carroll, Stephanie Russo**, “Operationalizing the CARE Principles for Indigenous Data Governance in Research Data Environments,” at the “Indigenous Data Sovereignty and Governance in the Americas” Plenary Session at the Research Data Alliance Virtual 16th Plenary. November 10, 2020.
- 2020** **Carroll, Stephanie Russo**, “GIDA-RDA COVID-19 Guidelines for Data Sharing Respecting Indigenous Data Sovereignty,” at the “RDA Adoption Opportunities and Highlights” Plenary Session at the Research Data Alliance Virtual 16th Plenary. November 11, 2020.
- 2020** **Carroll, Stephanie Russo**, “Indigenous Peoples’ Rights and Interests in Data,” at the “Indigenous Data Sovereignty” panel as part of the Online Indigenous Mapping Workshop. November 18, 2020.
- 2020** **Carroll, Stephanie Russo**, “Indigenous Peoples’ Rights and Interests in Data,” at the “2020 Reflections: Collaboration within Public Health and Environmental Justice” Webinar hosted by

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- the Environmental and Public Policy Section, Association for Conflict Resolution. December 1, 2020.
- 2020** **Carroll, Stephanie Russo**, “Eclipsing Equity, Indigenous Peoples Sovereignty, Data, and Research” at the National Academy of Medicine “Advancing Health Equity Science, Practice & Outcomes” Culture of Health Program Virtual Listening Workshop. December 8, 2020.
- 2020** **Carroll, Stephanie Russo**, “The CARE Principles for Indigenous Data Governance,” at the “Indigenous Data Sovereignty” Main Session and Lightening Talks at the GEO Indigenous Summit. December 9, 2020.
- 2021** **Carroll, Stephanie Russo**, “The CARE Principles for Indigenous Data Governance,” at the Online Consultation for Indigenous Peoples on the UNESCO Recommendation on Open Science. January 15, 2021.
- 2021** **Carroll, Stephanie Russo**, “The CARE Principles for Indigenous Data Governance,” at the OCLC-National and State Libraries Australia (NSLA). February 2, 2021.
- 2021** **Carroll, Stephanie Russo**, “The CARE Principles for Indigenous Data Governance,” at the Bringing Together Indigenous & Western Ways of Coastal & Ocean Observing Series hosted by the Canadian Integrated Ocean Observing System (CIOOS) Atlantic. February 2, 2021.
- 2021** **Carroll, Stephanie Russo**, “The CARE Principles for Indigenous Data Governance,” at the “Data Sovereignty and Developing Standards for Indigenous Data Provenance” Workshop as part of the Developing Standards for Indigenous Peoples’ Data Workshop Series organized by Tikanga in Technology, ENRICH, the Collaboratory for Indigenous Data Governance and The Maintainers. February 10, 2021.
- 2021** **Carroll, Stephanie Russo**, “Responsibilities for the Stewardship of Indigenous Data in Open Science,” at the Indigenous Voices Series hosted by the International Society for Computational Biology. February 18, 2021.
- 2021** **Carroll, Stephanie Russo**, “CARE Principles for Indigenous Data Governance,” on the Panel “Leveraging Diverse Knowledge Systems for Inclusive and Sustainable Growth” at the 17th Asia Pacific Economic Cooperation (APEC) Policy Partnerships on Science, Technology and Innovation (PPSTI) Meeting. February 24, 2021.
- 2021** **Carroll, Stephanie Russo**, moderator for the “Fostering Community Engaged Research in Environmental Health Disparities” webinar as part of the NIH-EPA Environmental Health Disparities Research Centers of Excellence Program five-part EHD Webinar Series hosted by the National Institute of Environmental Health Sciences, the National Institute on Minority Health and Health Disparities and the U.S. Environmental Protection Agency. March 22, 2021.
- 2021** **Carroll, Stephanie Russo**, “Indigenous Peoples’ Data and Open Science: Resolving Tension through Indigenous Data Sovereignty” at the Biology Seminar Series hosted by Boise State University and the NIH Clinical and Translational Research-Infrastructure Network (CTR-IN). March 25, 2021.
- 2021** **Carroll, Stephanie Russo**, “Indigenous Data Sovereignty: Considerations for Data Governance and Oversight” at the CEIGR/ Center for the Ethics of Indigenous Genomic Research Convening on Indigenous Research Ethics. April 2, 2021.
- 2021** **Carroll, Stephanie Russo**, “Indigenous Data Sovereignty: Considerations for Data Governance and Oversight” at the Southwest Adaptation Forum. April 7, 2021.
- 2021** **Carroll, Stephanie Russo**, “The IEEE Indigenous Data Working Group for the Recommendation for the Provenance of Indigenous Peoples Data,” at Workshop 3 for the Developing Standards for Indigenous Peoples’ Data Workshop Series organized by Tikanga in Technology, ENRICH, the Collaboratory for Indigenous Data Governance and The Maintainers. May 6, 2021.
- 2021** **Carroll, Stephanie Russo**, “Sovereignty and Governance for Indigenous Data Futures,” on the Panel “Genomics and Data Sovereignty: Policy and Deliberative Approaches for Engaging Indigenous Communities” at the ELSI Friday Forum. May 14, 2021.
- 2021** **Carroll, Stephanie Russo**, “Sovereignty and Governance for Indigenous Data Futures,” session at the Alaska Indigenous Research Program. May 18, 2021.

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- 2021 **Carroll, Stephanie Russo**, “Sovereignty and Governance for Indigenous Data Futures,” at the Session A1: International data management policies and practices panel for Parallel Theme A: International Research Infrastructures, the way forward at the 5th International Conference on Research Infrastructures (ICRI). Asynchronous June 2021.
- 2021 **Carroll, Stephanie Russo**, “Sovereignty and Governance for Indigenous Data Futures,” at the Alaska Native Health Research Conference. June 9, 2021.
- 2021 **Carroll, Stephanie Russo**, “Sovereignty and Governance for Indigenous Data Futures,” at the Open Repositories Conference. June, 2021.
- 2021 **Carroll, Stephanie Russo**, Center Director Panelist for the “Exposure Pathways & Environmental Health Disparities” webinar as part of the NIH-EPA Environmental Health Disparities Research Centers of Excellence Program five-part EHD Webinar Series hosted by the National Institute of Environmental Health Sciences, the National Institute on Minority Health and Health Disparities and the U.S. Environmental Protection Agency. June 28, 2021.
- 2021 **Carroll, Stephanie Russo**, Maui Hudson, “Be FAIR and CARE: Data Sharing in the context of COVID-19 and Climate Change” on the Equity in Open Scholarship panel at the 2nd UN Global Open Science Conference. July 22, 2021.
- 2021 **Carroll, Stephanie Russo** “Indigenous Peoples’ Data and Open Science: Resolving Tension through Indigenous Data Sovereignty” for the Environmental Data Science Inclusion Network. August 5, 2021.
- 2021 **Carroll, Stephanie Russo**, Christine E. Óre, “Indigenous Data Sovereignty and Community Wellbeing” at the Civic Vitality: Civic Engagement, Social Connection, and Trust in Government listening session for the Well-being and Equity (WE) in the World and Well Being in the Nation (WIN) Measures and Update Series. September 16, 2021.
- 2021 **Carroll, Stephanie Russo**, Tahu Kikutai, “Sovereignty and Governance for Indigenous Data Futures” at the National Science Foundation and Education New Zealand Multiplier Planning and Virtual Information Exchange Session. September 30, 2021.
- 2021 **Carroll, Stephanie Russo**, “Operationalizing the CARE Principles for Indigenous Data Governance in Environmental Sciences” on the Centering Justice in Indigenous Data Sovereignty Panel for the Centering Justice in the Convergence of Sciences, Communities, and Actions 9th Annual Rising Voices Workshop. October 1, 2021.
- 2021 **Carroll, Stephanie Russo**, “Indigenous Peoples and Research: Learning from Tribal Needs” for the New York University ENRICH Speaker Series. October 13, 2021.
- 2021 **Carroll, Stephanie Russo**, Talia Anderson “Transforming Big Data for Indigenous Futures: The CARE Principles for Indigenous Data Governance” for the CGIAR Platform for Big Data in Agriculture Ontologies Communities of Practice webinar. November 23, 2021.
- 2022 **Carroll, Stephanie Russo**, “Operationalizing the CARE Principles for Indigenous Data Governance in Environmental Sciences” for the Opening Plenary at the Earth Science Information Partners (ESIP) Winter Meeting. January 18, 2022.
- 2022 **Carroll, Stephanie Russo**, “Sovereignty, Governance, and Indigenous Data Futures” for the Plenary 5 Panel “Enhancing Health Equity in Indigenous Population” as part of the Society for Public Health Education (SOPHE) 2022 Annual Meeting, *Health Education: The ARCH of an Era*.
- 2022 **Carroll, Stephanie Russo**, “American Indian Public Health” for the National Academies of Sciences, Engineering, and Medicine Committee on Population, Board on Children, Youth, and Families “Understanding and Improving Well-Being of American Indians and Alaska Natives: A Planning Meeting. April 25, 2022.
- 2022 **Carroll, Stephanie Russo**, “The CARE Principles for Indigenous Data Governance” at the “Indigenous Knowledge Research Infrastructure: A Novel STI Solution to Achieve the Sustainable Development Goals” event held at the United Nations Multi-Stakeholder Forum on Science, Technology and Innovation for the Sustainable Development Goals. May 4, 2022.

° Indicates student/postdoc author

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+ Indicates community author

Invited Colloquia and Seminars (13)

In Current Rank

- 2017** **Rainie, Stephanie Carroll**, “Nation Building for Wellness: Tribal Data Sovereignty for Healthy Indigenous Communities,” presented at the Community, Environment and Policy Department Meeting, Mel and Enid Zuckerman College of Public Health, University of Arizona, February 17, 2017, Tucson, AZ.
- 2017** **Rainie, Stephanie Carroll**, Nanibaa’ Garrison, Maui Hudson, “Indigenous Data Sovereignty: Research, Ethics, and Genetics,” a roundtable at the University of Arizona Summer Internship for Indigenous Peoples in Genetics (SING), July 13, 2017, Tucson, AZ.
- 2018** **Rainie, Stephanie Carroll**, “Reclaiming Indigenous Wellbeing: Health and Healthcare for Native Americans” public lecture at Border Latino and American Indian Summer Exposure to Research (BLAISER), University of Arizona College of Medicine, Tucson, AZ, July 20, 2018.
- 2018** **Rainie, Stephanie Carroll**, “Stewarding Indigenous Data: Resolving Tensions between Open Data and Indigenous Data Sovereignty” lecture at University of Arizona Open Access Week: Should Research Data Always Be Open? University of Arizona Libraries, Tucson, AZ, October 31, 2018.
- 2019** **Carroll, Stephanie Russo**, “The Significance of Indigenous Data Sovereignty” public lecture at Border Latino and American Indian Summer Exposure to Research (BLAISER), University of Arizona College of Medicine, Tucson, AZ, July 3, 2019.
- 2019** **Carroll, Stephanie Russo**, “Indigenous in the Academy: Sovereignty, Responsibility, and Research” public lecture at The Partnership for Native American Cancer Prevention “My Journey” Seminar Series, Health Science Innovation Building, University of Arizona, Tucson, AZ, November 21, 2019.
- 2020** **Carroll, Stephanie Russo**, “The Significance of Indigenous Data Sovereignty” public lecture at the Women in Data Science (WiDS) Tucson Virtual Conference, University of Arizona, Tucson, AZ, April 17, 2020.
- 2020** **Carroll, Stephanie Russo**, “The Significance of Indigenous Data Sovereignty” public lecture at Border Latino and American Indian Summer Exposure to Research (BLAISER), University of Arizona College of Medicine, Tucson, AZ, June 11, 2020.
- 2020** **Carroll, Stephanie Russo**, “Sovereignty and Governance for Indigenous Data Futures” presentation to the Health Sciences Summer Research Intensive, Dine College and the University of Arizona, Tucson, AZ, July 24, 2020.
- 2020** **Carroll, Stephanie Russo**, “Sovereignty and Governance for Indigenous Data Futures” presentation to the RII Achieving Racial Equity – Data Driven Solutions Meeting, University of Arizona, Tucson, AZ, July 30, 2020.
- 2021** **Carroll, Stephanie Russo**, “Sovereignty and Governance for Indigenous Data Futures” presentation at Conversation with Cantwell, University of Arizona Research, Innovation and Impact, Tucson, AZ, May 18, 2021.
- 2021** **Carroll, Stephanie Russo**, “Sovereignty and Governance for Indigenous Data Futures” public lecture at Border Latino and American Indian Summer Exposure to Research (BLAISER), University of Arizona College of Medicine, Tucson, AZ, August 5, 2021.
- 2021** **Carroll, Stephanie Russo**, “Indigenous Peoples and Research: Learning from Tribal Needs” public lecture at Native American Heritage Month, University of Arizona Health Sciences, Tucson, AZ, November 3, 2021.

Peer-Reviewed Submitted Oral Presentations (22)

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In Current Rank

- 2017** Rodriguez-Lonebear, Desi^o, **Stephanie Carroll Rainie**, “Laying the Groundwork: Why Tribes Need Data and Research,” presented at the “Building Tribal Data Infrastructure” breakout session as part of the National Congress of American Indians Policy Research Center’s Tribal Leaders/Scholars Forum “Sovereign Infrastructure: Building Our Communities through Our Values,” June 14, 2017, Uncasville, CT.
- 2018** **Rainie, Stephanie Carroll**, Desi Rodriguez-Lonebear^o, “Indigenous Data Sovereignty: RDA Recommendations for Indigenous Data Governance,” presented at the International Indigenous Data Sovereignty Interest Group Session “Nuts and Bolts: How to Make RDA Recommendations for Indigenous Data Governance Useful” at the Research Data Alliance 11th Plenary, March 21, 2018, Berlin, Germany.
- 2018** **Rainie, Stephanie Carroll**, Lydia Jennings^o, Rachele Begay, “Indigenous Data Sovereignty: How Scientists and Researchers Can Empower Indigenous Data Governance,” presented at the American Indian Science and Engineering Society Region 3 Conference, April 13, 2018, Tucson, AZ.
- 2018** Cormack, Donna, Tahu Kukutai, **Stephanie Carroll Rainie**, Maggie Walter, “Indigenous Responses to Datafication: Indigenous Data Sovereignty Movements,” presented at the Data Justice 2018: Exploring Social Justice in and Age of Datafication, May 21-22, 2018, Cardiff, United Kingdom.
- 2018** Garcia, Joe⁺, Abigail Ech-Hawk⁺, **Stephanie Carroll Rainie**, Desi Rodriguez-Lonebear^o, Michele Suina⁺, “The Governance of Indigenous Data: Generating a Framework and Principles” presented at the Data Governance roundtable at the National Congress of American Indian Policy Research Center Pre-Conference Data Institute, June 3, 2018, Kansas City, MO.
- 2018** Walker, Jennifer, Bonnie Healy, Chylae Healy, Tina Apsassin, William Wadsworth, Carmen Jones⁺, Jeff Reading, Laurel Lemchuk-Favel^o, Raymond Lovett, Donna Cormack, **Stephanie Carroll Rainie**, Desi Rodriguez-Lonebear^o, Robyn Rowe^o, “Perspectives on Linkage Involving Indigenous Data Sovereignty” presented at the International Population Data Linkage Conference, September 14, 2018, Banff, AB. *International Journal of Population Data Science* (2018) 3:3:410. DOI <https://doi.org/10.23889/ijpds.v3i4.999>
- 2018** **Rainie, Stephanie Carroll**, Ana Gabriel Zuniga Aponte⁺, “Indigenous Data Sovereignty” presentation at the International Open Data Conference 2018 Indigenous Data Sovereignty Big Picture Session, September 28, 2018, Buenos Aires.
- 2018** Jennings, Lydia^o, Dominique David-Chavez^o, **Stephanie Carroll Rainie**, “Indigenous Data Sovereignty: How Scientists and Researchers Can Empower Indigenous Data Governance,” presented at the American Indian Science and Engineering Society National Conference, October 6, 2018, Oklahoma City, OK.
- 2018** **Rainie, Stephanie Carroll**, Maggie Walter, “An Introduction to Indigenous Data Sovereignty and its Implications for the Governance of Indigenous Data,” presented at the “Indigenous Data Sovereignty: Science, Research, and the Governance of Indigenous Data” panel at the Scientific Data Conference part of International Data Week, November 6, 2018, Gaborone, Botswana.
- 2018** **Rainie, Stephanie Carroll**, “Updates from the US Indigenous Data Sovereignty Network,” presented at the “Indigenous Data Sovereignty in the Global South, Rural areas, and Developing Countries” International Indigenous Data Sovereignty Interest Group session at the Research Data Alliance Plenary part of International Data Week, November 7, 2018, Gaborone, Botswana.
- 2018** **Rainie, Stephanie Carroll**, Daniel Ferguson, Andrew Martinez, “Resilience, Sustainability, and Indigenous Communities: Knowledges in Dialogue for Environmental Research, Assessment, and Planning” (Abstract ID 399127) presented at the PA53A: Native Science to Action: How Indigenous Perspectives Inform, Diversify, and Build Capacity in Environmental Science and Policy I session at the American Geophysical Union Conference, December 14, 2018, Washington, DC.
- 2018** **Rainie, Stephanie Carroll**, Colleen Strawhacker, Noor Johnson, Peter L. Pulsifer, Daniel B. Ferguson, Tristan Reader, Mary Beth Jäger, Orville H. Huntington, and the Indigenous Foods

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Knowledges Network Steering Committee, “The Indigenous Foods Knowledges Network: Supporting Indigenous Scholars through Research and Academic Innovations” (Abstract ID 451206) presented at the ED13A: From Either/or to Yes/and: Increasing Indigenous Participation in Science by Simultaneously Cultivating STEM and Cultural Identities II session at the American Geophysical Union Conference, December 10, 2018, Washington, DC.

- 2019** Cormack, Donna, Tahu Kukutai, **Stephanie Russo Carroll**, Maggie Walter, “Indigenous responses to datafication and data colonialism: Indigenous Data Sovereignty movements in Aotearoa New Zealand, Australia and the United States (A-318),” presented at the 3rd Data Power Conference, 12 – 13 September 2019, Bremen, Germany.
- 2019** Jennings, Lydia^o, Mary Beth Jäger, Noor Johnson, **Stephanie Carroll Rainie**, “The Indigenous Foods Knowledges Network: Building Indigenous Led Collaborations across Biomes” PA54A-05 presented at the PA54A Growing Pains: Overcoming Obstacles and Working Together to Improve Research Collaboration in Science I session at the American Geophysical Union Conference, December 13, 2019, San Francisco, CA.
- 2020** Figueroa-Rodríguez, Oscar Luis, Maui Hudson, **Stephanie Russo Carroll**, “CARE Principles for Indigenous Data Governance” Strategy Session at the RightsCon Online 2020 Conference, July 30, 2020.
- 2020** Neylong, Cameron, Ingrid Dillo, Lorretta Ntoimo, **Stephanie Russo Carroll**, Mark Parsons, Leyla Jael Garcia Castro, “Present and Future of FAIR: Plenary 2 Panel C” at the FORCE11 Scholarly Communication Institute FSCI 2020 Plenary Series, August 7, 2020.
- 2020** Simons, Natasha, Ivonne Lujano, **Stephanie Russo Carroll**, Lesley Wyborn, “Present and Future of FAIR: Plenary 2 Panel E” FORCE11 Scholarly Communication Institute FSCI Plenary Series, 2 August 7, 2020.
- 2021** **Carroll, Stephanie Russo**, Jane Anderson, Maui Hudson, Andrew Russell, Adam Fernandez^o, “Strategic Interventions: Developing Standards for Indigenous Peoples’ Data” at the Data + Society “Trust and Doubt in Public Sector Data Infrastructure” Academic Workshop, March 25, 2021.
- 2021** Cordova-Marks, Felina M., **Stephanie Russo Carroll**, “Connecting with Data and Community Through an Indigenous Lens” at the “Considerations for Cultural Competency in Molecular and Environmental Epidemiology, presented by the Molecular Epidemiology & the Environment SIG” for the ASPO American Society of Preventive Oncology 45TH Annual Meeting: Health Equity, Culture, & Cancer, March 31, 2021.
- 2021** Jennings, Lydia L.^o, Andrew Martinez, **Stephanie Carroll**, “The CARE Principles for Indigenous Data Governance,” invited to present at the U34A Open Science for Equitable Climate Action session at the American Geophysical Union Conference, December 15, 2021, New Orleans, LA.
- 2021** Jager, Mary Elizabeth, Noor Johnson, Kaare Erickson⁺, **Stephanie Carroll**, Daniel B Ferguson. Lydia L L. Jennings^o, “Co-producing Knowledge in a Time of Rapid Change: Lessons from the Indigenous Foods Knowledges Network,” presented at the GC52C session Social and Ecological Consequences of Recent Changes in the Arctic and Subarctic Region I Oral session at the American Geophysical Union Conference, December 17, 2021, New Orleans, LA.
- 2022** **Carroll, Stephanie Russo**, “Operationalizing the CARE Principles for Indigenous Data Governance in Environmental Sciences,” presented at the Data Decision to Action: Public Data Infrastructure for Scientific Discovery at the AAAS Annual Meeting, on-line February 18, 2022.

^o Indicates student/postdoc author

⁺ Indicates community author

Peer-Reviewed Submitted Poster Presentations (5)
In Current Rank

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- 2017** Rainie, **Stephanie Carroll**, Daniel B. Ferguson, Andrew Martinez, “The Role of Reconciling Values in Efforts to Build Community Resilience to Global Environmental Change,” poster presentation at the American Geophysical Union Conference, December 15, 2017, New Orleans, LA.
- 2018** David-Chavez, Dominique^o, **Stephanie Carroll Rainie**, Daniel B. Ferguson, Sarah LeRoy, Andrew Curley, Travis Lane⁺, Sheldwin Yazzie, “Supporting Tribal Data Governance for Community Climate Resilience: A Southwest Indigenous Climate Summit,” presented at the PA43C: Indigenous Data Sovereignty: How Scientists and Researchers Can Empower Indigenous Data Governance session at the American Geophysical Union Conference, December 13, 2018, Washington, DC.
- 2018** Martinez, Andrew, **Stephanie Carroll Rainie**, “Using Data Sharing Agreements as Tools of Indigenous Data Governance: Current Uses and Future Options,” presented at the PA43C: Indigenous Data Sovereignty: How Scientists and Researchers Can Empower Indigenous Data Governance session at the American Geophysical Union Conference, December 13, 2018, Washington, DC.
- 2019** Martinez, Andrew, **Stephanie Carroll Rainie**, “Indigenous Data Sovereignty Summit in Arizona: Building Shared Understanding and Identifying Tribal Leaders Needs,” presented at the PA51E-0926: Science to Action: Transformative Partnerships to Advance Decision-Relevant Science II Posters session at the American Geophysical Union Conference, December 13, 2019, San Francisco, CA.
- 2020** Natonabah, Serena^o, Brianne Dewani Lauro^o, Dominique M David-Chavez^o, **Stephanie Carroll**, “How are we supporting Indigenous data stewards?: Aligning Indigenous and federal environmental science research ethics guidelines,” presented at the SY020 Native Science to Action: How Indigenous Perspectives Inform, Diversity, and Build Capacity in Environmental Science and Policy Posters session at the American Geophysical Union Conference, December 9, 2020, New Orleans, LA.

^o Indicates student/postdoc author

⁺ Indicates community author

AWARDED GRANTS AND CONTRACTS

Federal Grant (12; \$13,535,780 to UArizona)

In Current Rank

- 2020** Bureau of Indian Affairs (sub through Inter Tribal Council of Arizona). “Data Needs & Research Priorities to Support Tribal Governance for Climate Resilience.” \$4,095 (indirect: \$1,309; direct: \$2,785). October 2020. Percent effort: <1%. Role: PI. No Co-PI.
- 2015-2020 (NCE 2021)** National Institute of Environmental Health Sciences and U.S. Environmental Protection Agency. “Center for Indigenous Environmental Health Research.” \$5,000,000 (indirect: \$1,343,403; direct: \$3,656,597). August 2015 – May 2020. Percent effort: 50. Role: Co-I Administrative Core, Pilot Project Core, and Career Development Investigator. PI J. Burgess. Co-Is M. Kurzius-Spencer, M.K. O’Rourke, C. Thomson, N. Teufel-Shone, R. Harris, N. Yuan, C.Hsu, P. Beamer, P. Harber, B. Mayer.
- 2017-2021 (NCE 2023)** National Science Foundation. “Convergence NNA: Networking Indigenous Arctic and U.S. Southwest Communities on Knowledge Co-Production in Data Sciences.” \$499,006 (indirect: \$57,653; direct: \$360,157). August 2017 – May 2021. Percent effort: 10. Role: Co-PI. PI N. Johnson. Co-PIs M.B. Jäger, D. Ferguson, T. Reader.
- 2019-2021** National Science Foundation. “Supporting Indigenous Scholars As Data Stewards and Leaders in STEM.” \$138,000 (indirect: \$0; direct: \$138,000). July 2019 – June 2021. Percent effort: 5. Role: Co-PI. PI D. David-Chavez.
- 2020-2021 (NCE 2023)** National Science Foundation. “Collaborative Research: Impact of COVID-19 on Food Access in Indigenous Communities in the Arctic and Southwest: A Comparative Landscape Analysis.” \$99,916 (indirect: \$34,824; direct: \$65,092), July 2020-June 2021. Percent effort: 8.3. Role: PI. Co-PIs N. Johnson, D. Ferguson, M.B. Jager.

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- 2017-2022** National Oceanic and Atmospheric Administration. “Collaboratively Assessing Critical Social-Ecological System Buffers to Help Build Regional Climate Resilience: The Climate Assessment for the Southwest.” \$3,727,991 (indirect: \$1,373,286; direct: \$2,566,890). September 2017 – August 2022. Percent effort: 1. Role: Co-PI. PI D. Ferguson. Co-PIs A. Meadow, J. Weiss, B. Owens, J. McMahan, B. Colby, C. Woodhouse, G. Frisvold, J. Overpeck (transferred institutions), M. Keith, M. Crimmins, H. Brown.
- 2020-2022** National Institute for Environmental Health Sciences. “Investigating linkages between arsenic exposure, diabetes, and COVID-19 infections and risks on the Navajo Nation.” \$383,089 (indirect: \$75,084; direct: \$308,005). September 2020 – August 2022. Percent effort: 8.5. Role: PI. Multi-PI J. Ingram. Co-PIs K. Chief, P. Beamer, R. Camplain.
- 2020-2023** Institute of Museum and Library Services (sub through New York University). “Native Intellectual Property Intensive Training.” \$411,301 (sub award indirect: \$52,015; direct: \$110,670). October 2020 – September 2023. Percent effort: 10. Role: Co-PI. PI J. Anderson. Co-PI J. Francis.
- 2020-2024** National Institute on Minority Health and Health Disparities (sub through National Bureau of Economic Research). “The Impacts of Mitigation Strategies to Prevent COVID-19 Transmission in Native American Communities.” \$2,512,085 (subaward indirect: \$29,885; direct: \$55,860). May 2021 – April 2026. Percent effort: 5. Role: Co-PI. PIs R. Akee, Co-PIs E. Simeonova, L. Quintero, D. Small-Rodriguez, N. Ponce.
- 2020-2024** National Science Foundation. “An Indigenous data governance approach for enhancing ethical research policies and practices.” \$499,994 (indirect: \$174,266; direct: \$325,731). October 2020 – September 2024. Percent effort: 10. Role: PI. Co-PIs I. Garba, J. Hildebrand (retired), J. Bambauer, D. David-Chavez.
- 2020-2025** National Institute of Environmental Health Sciences. “Exposures, Health Impacts, and Risk for Mine Waste Contamination.” \$1,536,643 (subaward indirect: \$212,944; direct: \$483,605). April 1997 – March 2025. Percent effort: <1. Role: Co-I, Community Engagement Core Co-Lead. PI R. Maier. Co-PIs D. Zhang, M. Ramirez-Andreotta, N. Merchant, A. Ooi, K. Chief, X. Ding, Q. Zhang, P. Kiela, A. Barberan, P. Carini, J. Chorover, M. L. Brusseau, R. Root, A. Babst-Kostecka, J. Neilson, C. Rasmussen.
- 2021-2026** National Science Foundation (sub through Iowa State University). “AI Institute for Resilient Agriculture.” \$1,150,000 (subaward indirect: \$121,582; direct: \$283,670). October 2021 – September 2026. Percent effort: 1. Role: Co-PI. PIs B. Ganapathysubramanian, N. Merchant.

Federal Grant Native Nations Institute (7. \$5,120,000)

In Current Rank

- 2016** Morris K. and Steward L. Udall Foundation. “Native Nations Institute for Leadership, Management, and Policy.” \$800,000 (indirect: \$0; direct: \$800,000). October 2015 – September 2016. Percent effort: 43.5. Role: Co-PI. PI S. Cornell. Co-PIs J. Timeche, M. Jorgensen.
- 2017** Morris K. and Steward L. Udall Foundation. “Native Nations Institute for Leadership, Management, and Policy.” \$800,000 (indirect: \$0; direct: \$800,000). October 2016 – September 2017. Percent effort: 15%. Role: Co-PI. PI J. Timeche. Co-PIs M. Jorgensen, S. Cornell.
- 2018** Morris K. and Steward L. Udall Foundation. “Native Nations Institute for Leadership, Management, and Policy.” \$800,000 (indirect: \$0; direct: \$800,000). October 2017 – September 2018. Percent effort: 3.77%. Role: Co-PI. PI J. Timeche. Co-PIs M. Jorgensen, S. Cornell.
- 2019** Morris K. and Steward L. Udall Foundation. “Native Nations Institute for Leadership, Management, and Policy.” \$800,000 (indirect: \$0; direct: \$800,000). October 2018 – September 2019. Percent effort: 5%. Role: Co-PI. PI J. Timeche. Co-PI M. Jorgensen.

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- 2020** Morris K. and Steward L. Udall Foundation. “Native Nations Institute for Leadership, Management, and Policy.” \$150,000 (indirect: \$0; direct: \$150,000). October 2019 – September 2020. Percent effort: 1%. Role: Co-PI. PI J. Timeche. Co-PI M. Jorgensen.
- 2021** Morris K. and Steward L. Udall Foundation. “Native Nations Institute for Leadership, Management, and Policy.” \$970,000 (indirect: \$0; direct: \$975,000). October 2020 – September 2021. Percent effort: 15%. Role: Co-PI. PI J. Timeche. Co-PI M. Jorgensen.
- 2022** Morris K. and Steward L. Udall Foundation. “Native Nations Institute for Leadership, Management, and Policy.” \$800,000 (indirect: \$0; direct: \$900,000). October 2021 – September 2022. Percent effort: 15%. Role: Co-PI. PI J. Timeche. Co-PI M. Jorgensen.

Private Foundation Grants (2; \$387,226)

In Current Rank

- 2020** Agnese Nelms Haury Program in Environment and Social Justice Grant. “Navajo COVID-19 Water Needs Mapping.” Funding Amount: \$87,226 (indirect: \$0; direct: \$87,226). June 2020 – January 2022. Percent Effort: 2%. Role: Co-PI. PI K. Chief. Co-PIs R. Chee, J. Hoover, J. Ingram, V. Karanikola, J. Lewis, C. Shuey
- 2022** Henry Luce Foundation. “Native Nations Institute for Leadership, Management, and Policy.” \$300,000 (indirect: \$18,000; direct: \$282,000). October 2020 – September 2021. Percent effort: 5%. Role: PI. No Co-PIs.

Other Grants (3; \$114,995)

In Current Rank

- 2017** University of New Mexico. “Nation Rebuilding for Wellness: Indigenous Data Sovereignty and Governance.” \$10,076 (indirect: \$2079; direct: \$7997). March 2017 – June 2017. Percent effort: 2%. Role: PI. No Co-PI.
- 2019** University of Arizona Accelerate for Success. “Advancing an International Indigenous Data Sovereignty Research Strategy.” \$14,879 (indirect: \$0; direct: \$14,879). July 2019 – June 2020. Percent effort: 2%. Role: PI. Co-PI J. Lopez.
- 2021** University of Arizona Provost’s Investment Fund. “The Stewardship of Indigenous Peoples Data at UArizona.” \$90,000 (indirect: \$0; direct: \$90,000). July 2021-June 2023. Percent effort: 2%. Role: PI. No Co-PI.

SUBMITTED GRANTS AND CONTRACTS

Federal Grant

In Current Rank

Robert Wood Johnson Foundation (sub through Harvard University). “Linking health inequities for Indigenous Americans to colonial subjugation to shift scholarly attention to overcoming legacies of structural racism.” \$16,298 (indirect: \$1,746; direct: \$14,552). December 2021 – November 2022. Percent effort: 10%. Role: Key Personnel. PIs J. Gone and M. Walls. Status of Support: *Awarded to prime, pending subcontract negotiations.*

National Institutes of General Medical Sciences (sub through Inter Tribal Council of Arizona). “Indigenous individuals' perspectives on research, governance, and data sharing in Arizona.” \$993,985 (indirect: \$612,504; direct: \$327,688). November 2021 – October 2025. Percent effort: 15%. Role: Consortium PI. Status of Support: *Awarded to prime, pending subcontract negotiations.*

National Institutes of Health (sub through Inter Tribal Council of Arizona). “Enhancing early career research ethics to support Indigenous Research Governance.” \$933,582 (indirect: \$325,384; direct: \$608,196). August 2022 – July 2026. Percent effort: 10%. Role: Consortium PI. Co-PIs F. Cordova-Marks, I. Garba, L. Jennings. Status of Support: Pending.

Social Sciences and Humanities Research Council (sub through Memorial University of Newfoundland). “IndigeLab Network (IN): Building research collectives through gendered Indigenous theories of change.” \$140,000 (subaward indirect: \$0; direct: \$140,000). April 2023 – March 2030. Percent effort: <1%. Role: Subaward PI. PI M. Liboiron, Subaward Co-PI L. Jennings. Status of Support: Pending.

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National Science Foundation. “Collaborative Research: Cross-Cutting Improvements: Indigenous Innovations for Aligning FAIR and CARE Repository Practices.” \$1,050,992 (indirect: \$289,503; direct: \$761,489). January 2023 – December 2025. Percent effort: 15%. Role: Lead PI. PI N. Garrison. Co-PIs F. Cordova-Marks, I. Garba, D. Hiraldo, L. Jennings, R. Akee, D. Small-Rodriguez. Status of Support: Pending.

National Science Foundation (sub through Battelle Memorial Institute). “Responsible Research and Engagement Practices for Indigenous Data Governance in Earth Science Institutions.” \$89,819 (subaward indirect: \$92,36; direct: \$17,264). October 2022 – September 2023. Percent effort: <1%. Role: Co-PI/Subaward PI. PI K. Jones. Co-PIs L. Jennings, J. Maldonado, H Lazrus. Status of Support: Pending.

National Oceanic and Atmospheric Administration. “Cultivating Equitable Responses to Increased Aridity in the US Southwest: The Climate Assessment for the Southwest.” \$5,174,807 (indirect: \$1,366,211; direct: \$3,808,596). September 2022 – August 2027. Percent effort: 1%. Role: Co-PI. Lead PI D. Ferguson. PIs T. Lane, G. Owen, H. Brown, B. McMahan, M. Crimmins, A. Meadow, D. DuBois, C. Woodhouse. Co-PIs G. Frisvold, C. Greene, L. Keith, H. Gelli, L. Prihodko. Status of Support: Pending.

National Institutes of Health (sub through Oklahoma State University). “Community-based study of the Biocultural (BC) Labels as a mechanism for preserving genomic data sovereignty in the Shawnee Tribe.” Subaward \$47,110 (subaward indirect: \$16,420; direct: \$30,690). April 2022 – March 2024. Percent effort: 10%. Role: Co-PI. PI M. Vassar. Co-PIs J. Anderson. Status of Support: Pending.

US Geological Survey (sub through Colorado State University). “Shifting from Extractive to Self-determined - Enhancing Indigenous Research and Data Governance in Southwest Climate Adaptation Initiatives.” Subaward \$41,414 (subaward indirect: \$14,434; direct: \$26,980). January 2022 – December 2024. Percent effort: 4%. Role: Co-PI. PI D. David-Chavez. Co-PIs D. Ferguson. Status of Support: Pending.

Manaaki Whenua - Landcare Research (MWLR) (sub Ministry of business, Innovation and Employment (MBIE)) “TE MANA, TE MATAURANGA; reforming the knowledge governance system in AOTEAROA NZ.” Subaward 132,877 (subaward indirect: \$81,770 direct: \$51,107). October 2022 – September 2025. Percent effort: 9.7%. Role: Subaward PI. Sub award Co-PI L. Jennings. PIs O. Mercier, M. Robson-Williams. Co-PIs N. Harcourt, M. Hudson, J. Foote. Status of Support: Rejected.

United States Department of Health and Human Services. “Arizona Border Consortium for Transforming the Public Health Informatics and Technology Workforce (ABC-PHIT).” \$5,530,712 (indirect: \$1,229,506; direct: \$4,301,206). September 2021 – September 2025. Percent effort: 10%. Role: Co-I. PI V. Subbian. Status of support: Rejected.

National Science Foundation. “HDR Institute: A Biodiversity and Biosphere Forecasting Institute for advancing ecological science, conservation, and discovery.” \$11,530,083 (indirect: \$1,234,244; direct: \$10,295,839). January 2022 – December 2026. Percent effort: 6.25%. Role: Key Person. PI B. Enquist. Status of support: Rejected.

National Institutes of Health. “Strategically Leveraging Precision Medicine and Learning Healthcare Systems to Advance Clinical and Translational Science and Health Equity.” \$22,024,389 (indirect: \$6,594,089; dir3cct: \$15,430,300). December 2021 – November 2026. Percent effort: 10.33%. Role: Key Person. PI S. Parthasarathy. Status of support: Rejected.

National Science Foundation. “AccelNet: IM AccelNet: Harnessing the Data Revolution.” \$1,999,955 (indirect: \$338,920; direct: \$1,661,035). October 2020 – September 2025. Percent effort: 10%. Role: PI. Co-PIs: R. Malhi, J. Anderson, M. Hudson, K. Fox. Status of support: Rejected.

National Institutes of Health. “SPORE in Cancer Health Disparities.” \$11,446,320 (indirect: \$3,789,980; direct: \$7,656,340). July 2020 – June 2025. Percent effort: 10%. Role: Co-I. PI J. Gomez. Status of support: Rejected.

National Institutes of Health. “Reducing Cancer Burden in Hispanics and Native Americans in the Southwest.” \$3,684,000 (indirect: \$1,284,000; direct: \$2,400,000). September 2018 – August 2021. Percent effort: 5%. Role: Co-I. PI J. Gomez. Status of support: Rejected.

United States Environmental Protection Agency. “Native Nations Ecosystem Services Approaches: Weaving Together Environmental and Human Health and Well-Being Information for Decision-Making.” \$599,900 (indirect: \$156,513; direct: \$443,387). January 2017 – December 2019. Percent effort: 10%. Role: PI. Co-PIs: D. Ferguson, L. Lopez Hoffman. Status of support: Rejected.

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Other Grants

In Current Rank

Bureau of Indian Affairs (sub through Inter Tribal Council of Arizona). “Data Needs & Research Priorities to Support Tribal Governance for Climate Resilience.” \$16,033 (indirect: \$5,126; direct: \$10,907). April 2022 – May 2022. Percent effort: <1%. Role: PI. Co-PI A. Martinez. Status of support: *Awarded to prime, pending subcontract negotiations.*