

SHAUNA B. BURNSILVER

School of Human Evolution and Social Change Telephone: 907.699.9736
SHESC 375 Fax: 480.965.7671
Arizona State University, 85287-2042 Email: Shauna.BurnSilver@asu.edu

EDUCATION

Colorado State University, Fort Collins, CO	Ecology-Human Ecology	Ph.D.	2007
Colorado State University, Fort Collins, CO	Resource Interpretation	M.S.	1997
Scripps College, Claremont CA	International Relations	B.A.	1987

ACADEMIC APPOINTMENTS

School of Human Evolution and Social Change, Arizona State University
Associate Professor, 2018 - Present
Assistant Professor, 2011- 2018
Affiliations: Senior Sustainability Scientist, Global Institute of Sustainability and Innovation
Core Faculty. Earth System Science for the Anthropocene. Julie Ann Wrigley Global Futures Laboratory

School of Natural Resources and Agricultural Sciences, University of Alaska Fairbanks
Postdoctoral Research Scientist, 2008-2011

ACADEMIC DISTINCTIONS

2024 Nominated for Zebulon Pearce Teaching Award, ASU.
2019 -2020
Cross-Cutting Scholar Award, Knowledge Exchange for Resilience, ASU
2017 SHESC Undergraduate Teaching Award
2012 Nominated for Zebulon Pearce Teaching Award, ASU.
2012 Ecological Society of America Sustainability Science Award. Annual award goes to a scholarly work making the greatest contribution to the emerging science of ecosystem and regional sustainability through the integration of ecological and social sciences. Awarded to team of collaborators on the Reid et. al. (2009) PNAS Paper.

RESEARCH GRANTS (Awarded)

External:

PI Collaborative Research: AC³TION - Alaska Coastal Cooperative for Co-producing Transformative Ideas and Opportunities for Indigenous Communities in the North, Funded by National Science Foundation (NSF) November 15, 2023 - October 31, 2027, awarded September 25, 2023 (~\$1.1 million), Funded -In Progress, Aug 2023, PI **Shauna BurnSilver** (40%) with Co-Investigator John Anderies (26%), Co-Investigator Abigail York (34%)
PI Collaborative Research: NNA Research: Change Resilience and Sustainability of Frozen Commons in Alaskan and Northeastern Siberian Communities, Funded by National

- Science Foundation (NSF) September 1, 2021 - August 31, 2026, awarded September 8, 2021 (\$424,999), Funded - In Progress, Aug 2021, PI **Shauna BurnSilver** (50%) with Co-Investigator John Anderies (50%)
- PI **S. BurnSilver**, CO-PI L. Shaffer. National Science Foundation, Doctoral Dissertation Research. Icy Intersection: Worldview based decision making in Arctic frozen resource governance under climate change. \$ 42,184. 2 years – in process.
- PI **S. BurnSilver**, CO-PI T. Garung. National Science Foundation, Doctoral Dissertation Research in DRMS, Decision-Making Processes for Resilient Tourism-Based Economic Development in Nepal. \$21,590, 1 year (Amended and extended to 2021 given COVID).
- PI **S. BurnSilver**, CO-PI C. Till. National Science Foundation, Cultural Anthropology, Doctoral Dissertation Research: Environmental Perceptions and Migration Decisions in Terrabone Parish, Louisiana: Insights from an at-risk area, External, \$22,990, 2 years,
- CO-PI **S. BurnSilver**, with PI A. York, CO-PIs M. Anderies and S. Pfirman. Track 1, NSF Navigating the New Arctic proposal “Arctic Robust Communities-Navigating Adaption to Variability (ARC-NAV)” [NSF Collaborative Proposal #1928235; funded amount: ~2.98 million + 750K logistics support] [9/2019-8/2024].
- CO-PI. **S. BurnSilver**. Sivuqaq Sharing Project, Wildlife Conservation Society/Oak Foundation, \$250,000 grant. Consultant on research/Supervisory role of Post Doc, St. Lawrence Island, Alaska.

Internal ASU:

- PI Cross-Cutting Scholars Award, ASU *Knowledge Exchange for Resilience*, \$46, 285 2 years [2019-2020].
- CO-PI. **S. BurnSilver**. ASU Global Institute of Sustainability. Collaboration Laboratory (Co-Lab): A Solution Space for Development Thinking. Project PIs: Ed Hackett and Hallie Eakin. Internal Grant - Walton Initiative - NextGen Proposal, Internal Funding. Total Grant: \$348,00 [8/2013-7/2014].

PUBLICATIONS

Books

- Petrov, A.N., **BurnSilver, S.B.**, Chapin F.S. III, Fondahl, G., Graybill, J., Keil, K., Nilsson, A.E., Riedlsperger, R. and P. Schweitzer (2018). “Arctic Sustainability Research: Past, Present and Future”. Taylor and Francis.

Peer Reviewed Journal Articles:

**Denotes Students, ** Denotes Post-Doc*

- Ruth A., C. SturtzSreetharan, M. Beresford, A. Brewis, **S. BurnSilver**, C. Drummond Otten, E. Estrada, D.J. Hruschka, E. Ilboudo Nébié, M. Jehn, J.N. Maupin, R.G. Nelson, A. Wutich & A. York. (2025) How to Organize Undergraduate Lab Training: Evidence from 10 Working Social Science Research Labs. *Journal of Further and Higher Education*
- Ruth, A., SturtzSreetharan, C., Beresford, M., Brewis, A., **BurnSilver, S.B.**, Caseldine, C.R., Drummond Otten, C., Estrada, E., Hruschka, D., Ilboudo Nebie, E., Jehn, M., Knudson,

- K., Kroot, M.V., Maupin, J., Michelaki, K., Morehart, C., Nelson, R.G., Peeples, M.A., Ranhorn, K.L., Smith, M.E., Stojanowski, C.M., Wutich, A. and York, A. (2025) Online Student Engagement in Social Science Research Laboratories: Expert Advice on the Opportunities and Challenges. *SPUR* (2025) 8 (4): <https://doi.org/10.18833/spur/8/4/4>
- Peterson, M**, Monakhova, M*, Maeroff, D.*, Arteaga, M.*, Anjolaoluwa, F. P.*, Frankson, P.*, Shaffer, L.*, Takata-Glushkoff, P. K.*, Begay, C.*, **BurnSilver, S.**, Pfirman, S., & York, A. (2025). Preparing students and early-career researchers for ethical decision-making in community-engaged research in the Arctic. *The Polar Journal*. Advance online publication. <https://doi.org/10.1080/2154896X.2025.2563477>
- Garung, T.* and S.B. BurnSilver (2024). An Un(Even) Playing Field? A Political Ecology of Tourism Impacts in Upper Mustang, Nepal. *Journal of Tourism Planning and Development*. 21(6), 841-861.
- York, A. M., Zdor, E., **BurnSilver, S.**, Degai, T., Monakhova*, M., Isakova, S., Petrov, A. & Kempf**, M. (2022). Institutional navigation of oceans governance: Lessons from Russia and the United States Indigenous multi-level whaling governance in the Arctic. *Earth System Governance*, 14, 100154
- BurnSilver, S.**, Coleman**, J., & Magdanz, J. (2022). Equality and equity in Arctic communities: how household-level social relations support community-level social resilience. *Ecology and Society*, 27(3).
- York, A. M., Otten, C. D., **BurnSilver, S.**, Neuberg, S. L., & Anderies, J. M. (2021). Integrating institutional approaches and decision science to address climate change: a multi-level collective action research agenda. *Current Opinion in Environmental Sustainability*, 52, 19-26.
- BurnSilver, S.B.** and J. Magdanz (2019). Heterogeneity in mixed economies: Implications for sensitivity and adaptive capacity. *Journal of Hunter Gatherer Research*. <https://doi.org/10.3828/hgr.2017.31>
- Baggio, J. A., **BurnSilver, S. B.**, Arenas, A., Magdanz*, J. S., Kofinas, G. P., & De Domenico, M. (2016). Multiplex social ecological network analysis reveals how social changes affect community robustness more than resource depletion. *Proceedings of the National Academy of Sciences*, 113(48), 13708-13713.
- Brinkman, T., W. Hansen*, F.S. Chapin III, G. Kofinas, **S. BurnSilver**, and T.S. Rupp (2016). Arctic communities perceive climate impacts on access as a critical challenge to availability of subsistence resources. *Climatic Change* 139 (3):413-427.
- BurnSilver, S. B.**, J. Magdanz*, R. Stotts*, M. Berman and G. Kofinas (2016). Are Mixed Economies Persistent or Transitional? Evidence using social networks from Arctic Alaska. *American Anthropologist*. 118(1):121-129.
- Reinette Biggs, Maja Schlüter, Duan Biggs, Erin L. Bohensky, **Sauna BurnSilver**, Georgina Cundill, Vasilis Dakos, Tim M. Daw, Louisa S. Evans, Karen Kotschy, Anne Leitch, Chanda Meek, Allyson Quinlan, Ciara Raudsepp-Hearne, Martin D. Robards, Michael L. Schoon, Lisen Schultz, Paul C. West (2011). *Toward Principles for Enhancing the Resilience of Ecosystem Services*. *Annual Review of Environment and Resources*. 37:421-448.

- Reid, R.S., D. Nkadienye, M. Y. Said, D. Kaelo, M. Neselle, O. Makui, L. Onetu, S. Kiruswa, N. Ole Kamuaru, P. Kristjanson, J. Ogutu, **S.B. BurnSilver**, M. J. Goldman, R. B. Boone, K. A. Galvin, N. M. Dickson, and W. C. Clark (2009). Knowledge Systems for Sustainable Development Special Feature Sackler Colloquium Evolution of models to support communities and policy action with science: Balancing pastoral livelihoods and wildlife conservation in Camsavannas of East Africa. Proceedings of the National Academy of Sciences (PNAS). November 3. www.pnas.org/cgi/doi/10.1073/pnas.0900313106
- Boone, R. B., **S. B. BurnSilver**, J. S. Worden, K. A. Galvin, and N.T. Hobbs (2008). Large-Scale Movements of Large Herbivores Livestock following changes in seasonal forage supply. Resource Ecology, 187-206.
- Thornton, P.K., R.B. Boone, K.A. Galvin, **S.B. BurnSilver**, M.M. Waithaka, J. Kuyiah, S. Karanja, E. González-Estrada and M. Herrero (2007). Coping strategies in livestock-dependent households in East and southern Africa: a synthesis of four case studies. Human Ecology.
- Christensen L., **S.B. BurnSilver** and M. Coughenour. (2006). Integrated Assessment of the Dynamics, Stability and Resilience of Inner Mongolian Grazing Ecosystems. Nomadic Peoples. 9.1: 131-146.
- Thornton, P.K., **S.B. BurnSilver**, R.B. Boone, and K.A. Galvin. (2006). Modeling the impacts of group ranch subdivision on agro-pastoral households in Kajiado, Kenya. Agricultural Systems. 87:331-356.
- Boone, R.B., **S.B. BurnSilver**, P.K. Thornton, J.S. Worden, and K.A. Galvin. (2005). Quantifying declines in livestock due to land subdivision. Rangeland Ecology & Management. 58:523-532.

Refereed Book Chapters:

- Kofinas, G., **S.B. BurnSilver** and A. Petrov (2019). Methodological Challenges and Innovations in Arctic Community Sustainability Research. *In: Graybill, J. and A. Petrov. Arctic Sustainability, Key Methodologies and Knowledge Domains: A Synthesis of Knowledge.* Routledge Press.
- BurnSilver, S.B.**, R. Boone, G. Kofinas, and T. Brinkman (2017). Tradeoffs in the mixed economies of village Alaska: Hunting, working and sharing in the context of change". M. Hegmon, ed. *In: The Give and Take of Sustainability: Archaeological and Anthropological Perspectives.* New Directions in Sustainability and Society Series. Cambridge University Press.
- Berman, M., G. Kofinas and **BurnSilver, S.B.** (2016). Community scale Vulnerability *In: Northern Sustainabilities.* Editor: Fondahl, G. and G. Wilson. Springer Verlag.
- Dakos, V., A. Quinlan, J. Baggio, E. Bennett, O. Bodin, and **S.B. BurnSilver** (2015). Connectivity. R. Biggs, M. Schlueter and M. Schoon eds. *In: Principles for Enhancing the Resilience of Ecosystem Services.* Cambridge: Cambridge University Press.
- BurnSilver S.B.** (2009). Pathways of Change and Continuity: Maasai Livelihoods in Amboseli, Kajiado District, Kenya. *In: Changing Land use and Livelihoods in Tanzania and Kenya Maasailand.* K. Homewood, P. Kristjanson, P. Trench and M. Radeny, eds. New York: Verlag Publishers. Pp 161-201.

- Serneels, S., M. Herrero, **S.B. BurnSilver**, P.C. Trench, K. Cochrane, K. Homewood, P. Kristjanson, F. Nelson, M. Radeny, M. Thompson, and M.Y. Said (2009). Methods in the Analysis of Maasai Livelihoods. *In: Changing Land use and Livelihoods in Tanzania and Kenya Maasailand*. K. Homewood, P. Kristjanson, P. Trench and M. Radeny, eds. New York: Verlag Publishers. Pp 43-62.
- Galvin, K. A., R. B. Boone, **S.B. BurnSilver**, and P.K. Thornton (2008). Humans and wildlife as ecosystem components in integrated assessments. *In: Wildlife and Society: The Science of Human Dimensions*. Manfredo, M., Vaske, J., Brown, P., Decker, D. and E. Duke, eds. Washington, D.C.: Island Press. Pp 129-142.
- BurnSilver, S.B.** and J.S. Worden (2008). Processes of Fragmentation in the Amboseli Ecosystem. *In: Fragmentation of Semi-Arid and Arid Landscapes: Consequences for Human and Natural Systems*. K. Galvin, R. Reid, R. Behnke and T. Hobbs, eds. New York: Verlag Publishers. Pp 225-244.
- Boone, R.B., **S.B. BurnSilver**, and R. Kruska. (2008). Comparing Landscape and Infrastructural Heterogeneity Within and Between Ecosystems. *In: Fragmentation of Semi-Arid and Arid Landscapes: Consequences for Human and Natural Systems*. K. Galvin, R. Reid, R. Behnke and T. Hobbs, eds. New York: Verlag Publishers. Pp 341-368.
- Boone, R.B., **S.B. BurnSilver**, J.S. Worden, K.A. Galvin, and T. Hobbs. (2008). Large Scale Movements of Large Herbivores: Livestock Following Changes in food Supply. *In: "Spatial Ecology of Large Herbivores and Pastoralists"*. H.H.T. Prins and F. van Langevelde, eds. New York: Kluwer Academic Publishers. Pp 187-206.
- BurnSilver, S.B.**, R.B. Boone, and K.A. Galvin. (2003). Linking pastoralists to a heterogeneous landscape: The case of four Maasai Group Ranches in Kajiado District, Kenya. Fox, J., V. Mishra, R. Rindfuss, and S. Walsh, eds. *In: Linking household and remotely sensed data: Methodological and practical problems*. New York: Kluwer Academic Publishers. Pp 173-199.

Non-Refereed Publications and Research Reports:

- Camilla Brattland, Randy Bruin, **Shauna BurnSilver** (lead), Tatiana Degai, Priscilla Frankson*, Henry Huntington, Rauna Kuokkanen, Malory Peterson**, Andrey Petrov, Elana Wilson Rowe, Nicole Joy Wilson, Gary Wilson, and Abigail York (2025). *Reimagining Arctic Governance: Making Governance an ICARP IV Cross-Cutting Theme*. Submitted to 4th International Conference on Arctic Research Planning (ICARP IV). Public Comment for Research Priority Teams. Submission by: International Arctic Social Science Association (IASSA) Working Group on Reimagining Arctic Governance
- Kofinas G., **BurnSilver S.**, Magdanz J., Stotts R.*, Okada M. (2016). *Subsistence Sharing Networks and Cooperation: Kaktovik, Wainwright and Venetie, Alaska*. (BOEM Report, University of Alaska, Fairbanks) Vol. 2015-023. Pp. 560. .
<https://www.boem.gov/Alaska-Region/>.
- Andrey N. Petrov, ARCTICenter, University of Northern Iowa, USA (lead); **Shauna BurnSilver**, Arizona State University, USA; Terry Chapin, University of Alaska, Fairbanks, USA; Gail Fondahl, University of Northern British Columbia, Canada; Jessica Graybill, Colgate

- University, USA; Kathrin Keil, Institute for Advanced Sustainability Studies, Germany; Annika Nillson, Stockholm Environment Institute, Sweden; Rudolf Riedlsperger, Memorial University of Newfoundland, Canada, and Peter Schweitzer, University of Vienna, Austria. (2015) Arctic Sustainability Research: Agenda 2025. A White Paper for the International Conference for Arctic Research Planning ICARP III. International Arctic Social Science Committee, Social and Human Sciences Committee.
- BurnSilver, S.B.** (2008). The Role of Pastoral Mobility. Contribution to the Global Handbook on Pastoralism, The Ford Foundation.
- BurnSilver, S. B.** and E. Mwangi. (2007). Beyond Group Ranch Subdivision: Collective Action for Livestock Mobility, Ecological Viability and Livelihoods. Working Paper. International Food Policy Research Institute (IFPRI). Washington D.C.
- Boone, R.B. and **S.B. BurnSilver** (2007). Optimizing Aspects of Land Use Intensification in Southern Kajiado District, Kenya. Final Technical Report: Reto-o-Reto Pastoralist Project: International Livestock Research Institute, Nairobi. Pp. 50.
- BurnSilver, S.B.** (2005) Results of Focus Groups in the Amboseli Ecosystem: Reto-o-Reto Pastoralist Project. Field Report. International Livestock Research Institute. Pp. 30.
- Herrero, M., P. Kristjanson, P., M. Radeny, **S.B. BurnSilver**, D. Nkedyanye, O Kamuaru, R.S. Reid, and P.K. Thornton. (2003). Identifying the information needs of decision-makers in Maasai pastoralist systems in Kenya. A collaborative study between ILRI, Edinburgh University and the communities of Narok and Kajiado. DFID LPP Report Project ZC0196. Pp.57 Nairobi (Kenya): ILRI

INVITED TALKS

**Denotes Students, ** Denotes Post-Doc*

- S. BurnSilver**, S. Pfirman, A. York NNA: ARC-NAV Arctic Robust Communities – Navigating Adaptation to Variability, Arctic Research Consortium of the United States, Annual Meeting (virtual), November 2020.
- S. BurnSilver**, J. Coleman**. *Stakeholder Emerging Governance and ARC-NAV*. Alaska Eskimo Whaling Commission, Annual Meeting (virtual), November 2020.
- BurnSilver, S.B.** and J. Magdanz, "Subsistence is Persistent", Alaska Eskimo Whaling Commission annual meeting, Barrow, AK, February 2016.
- BurnSilver, S.B.** "Crafting Collaboration for an Evolving GCSO Network", Global Consortium for Sustainability Outcomes Workshop, Julie Ann Wrigley GIOS, October, 2016.
- BurnSilver, S.B.** Invited Talk. East Africa to the Arctic: How and Why Social Relationships Matter in the Face of Change. Natural Resource Ecology Laboratory, Colorado State University. October 2016.
- BurnSilver, S. B.**, Invited Plenary Speaker, "From East Africa to the Arctic: Comparative Livelihood Analyses to Explore Arctic Sustainable Livelihoods", Sustainability and Sustainable Development in the Arctic: Meetings and Means, Arctic FROST Annual Meeting, NSF-RNC, University of Alaska Anchorage, Sept. 18-20, 2014.

- BurnSilver, S. B.**, J. Magdanz, G. Kofinas, "The Sharing Project - Whaling Relationships in Kaktovik and Wainwright". Annual Meeting Alaska Eskimo Whaling Commission, Barrow, AK (February, 2015).
- BurnSilver, S. B.**, G. Kofinas, J. Magdanz, "The Sharing Project - Whaling Relationships in Kaktovik and Wainwright", Alaska Eskimo Whaling Commission, Fairbanks, AK. July 11, 2014. Data subsequently presented by the AEWC at the 2014 International Whaling Commission Meetings, Slovenia, Sept. 11-18, 2014.
- BurnSilver, S.B.**, "Role of Sharing and Cooperation in Offsetting Household Vulnerability". Institute for Social and Economic Research (ISER), University of Alaska Anchorage. June 2013.
- BurnSilver, S.B.**, Baggio, J. and R. Stotts. "Hunting, Sharing and Cooperation under evolving social-ecological conditions in the Far North". Seminar Series: Center for the Study of Institutional Diversity, ASU. April 2013.
- BurnSilver S. B.**, "Sharing and Cooperation in the Far North: Old social mechanisms under evolving economic and climatic conditions in village Alaska". Stanford University Ecology and the Environment - Winter Colloquium Series. Palo Alto, CA. March 2013.
- BurnSilver, S. B.**, "Thinking about Household Vulnerability in Pastoral and Arctic Social-Ecological Systems." Resilience and Adaptation Seminar Series, University of Alaska Fairbanks. Fairbanks, AK. May 2012.
- BurnSilver, S.B.**, and D. Nkadienye (2009). One Challenge Among Many: Projected Climate Change, Livelihoods and Resilience in Pastoral East Africa. "Climate Change and Livelihoods in Sub-Saharan Africa". Conference sponsored by the Center for African Studies, the Mershon Center for International Security Studies, and the John Glenn School of Public Policy. The Ohio State University, May 15, 2009.
- Reid, R.S., and **S. B. BurnSilver** (2002). "Linking Communities and Households to Climate Variability and Land cover/land-use Change at Different Scales in Farming and Pastoral Systems of East Africa." Workshop: Approaches for Linking Household and Community level data to Remote Sensing and GIS," January 2002, East-West Center, Honolulu, Hawaii.

COLLOQUIA/WORKSHOP ORGANIZED

- Workshop Co-Organizer (with R. Kuokkannen and Nicole Joy Wilson). Placing Governance at the Center of Arctic Research: A polycentric and multi-level lens to re-imagining Arctic governance for navigating change. Arctic Science Summit Week. Boulder, CO. April 2025.
- Workshop Co-Organizer (with A. Petrov) *Governing Arctic Change: Navigating Governance Frameworks, Networks, Institutions and Practices in the Changing Arctic from Community to Global Scales*. March 2024. Navigating the New Arctic Annual Meeting. Washington DC, George Washington University.
- Session Organizer. *The Role of Business in Facilitating Cross-scale Collective Action on Climate*. United Nations Global Compact, Uniting Business Live. Pre-recorded

- presentations/facilitated live panel discussion, global audience. October 2020.
Governance and Decision-Making theme, ASU Global Futures Laboratory.
<https://unglobalcompact.org/take-action/events/1786-unitingbusiness-live-un-general-assembly>
- Workshop Organizer. Pastoralism and Conflict in West Africa; University of Bamako, Mali, West Africa. July 2016.
- Co-Organizer (with T. McCabe). *Operationalizing Resilience Theory within Anthropology*. Upcoming session organized for the American Anthropological Association 113th Annual Meeting, Washington DC. November 2014.
- Co-Organizer (with J. Baggio and O. Bodin), *Networks and Cooperation: Are social network characteristics generalizable in thinking about Resilience?* Session organized for the Third International Science and policy Conference on the resilience of social & ecological systems, Montpellier, France. May 2014.
- Co-Organizer (with J. Ziker and D. Gerkey), *Using Social Network Analysis to Understand Arctic Sustainability*. Session organized for the 4th International Congress of Arctic Social Sciences (ICASS IV). May 2014.
- Organizer, *How do social relationships offset household vulnerability in the context of rapid change?* Session organized for American Anthropological Association 112th Annual Meeting, Chicago, IL. November 2013.
- Workshop Organizer, *Agent-based modeling of social and ecological systems*. Organized through the Institute for Society, Landscape and Ecosystem Change, Colorado State University. April 2008.

CONFERENCE PAPERS

- D. Maeroff*, M. Jennings* and **S. BurnSilver**. Community-Driven Visitor Guidelines: Learning from Global Examples to Inform Alaskan Initiatives. Poster. October 2025. Presented at ACTION NSF Visitor Impacts Workshop, Anchorage, AK.
- S. BurnSilver** , P. Frankson*, L. Apatiki, A. York, K. Takata-Glushkoff*, P. Kaningok, E. Ungott, M. Peterson** and M. Monakhova*. Sivuqaq's Navigation of Polycentric Governance: A community centered and anti-colonial approach for understanding policy in practice. Arctic Science Summit Week. Boulder CO. April 2025
- S. BurnSilver**. Arctic Governance: *Local Voices in multi-level decision-making: A Gambell, Alaska Perspective*. Flash Talk. Arctic Science Summit Week. Boulder CO. April 2025
- L. Shaffer* and **S. BurnSilver**. Icy Intersection: Worldview-based decision-making in Arctic Frozen Commons under Climate Change. Workshop on the Ostrom Workshop (WOW 7): Commons, Polycentricity and Democracy: Building upon 50 years of Ostrom Governance Research. Bloomington, IN. July 2024
- York, A. and **S. BurnSilver** Arctic Robust Communities: Navigating Adaptation to Variability. Beyond Arctic Horizons: Building and Sustaining Support for the U.S. Arctic Social Science Community. May 2024. 11th International Congress of Arctic Social Science Association (ICASS XI). Bode, Norway.

- S. BurnSilver.** *De Jure and De Facto Decision-making and Governance in a Multi-level World A Gambell, Alaska Perspective.* March 2024. Navigating the New Arctic Annual Meeting. Washington DC, George Washington University.
- K. Takata-Glushkoff*, E. Ungott, P. Kanningok, **S. BurnSilver** and A. Mahoney. Co-creating Knowledge of Frozen Environments: Collaborative Experiences between Indigenous Peoples, Artists and Scientists. NSF – Frozen Commons, Mongolian Academy of Sciences, Arctic Indigenous Virtual Artists Network. Ulanbataar, Mongolia.
- S. BurnSilver** and A. York. Arctic Governance: Local Voices in Multi-level Decision-making: A Gambell, Alaska Perspective. Jan 2024. Arctic Marine Science Symposium. Anchorage, AK.
- Claborn, K.*, Lawless, K.*, Monakhova, M.*, York, A., **BurnSilver, S.**, Pfirman, S., Aucoin, S.*, Mahoney, A., Newton, R., Takata-Glushkoff, K.*, & Tremblay, B. (2023, January 12–14). The Framing of Sea Ice in Alaskan News Reporting: A Novel Mixed Methods Approach [Conference presentation]. Conference on Policy Process Research 2023, Denver, CO, United States. <https://publicaffairs.ucdenver.edu/research-and-impact/research-centers/center-for-policy-and-democracy/conference-on-policy-process-research>
- S. BurnSilver** *Multi-level Collection Action Challenges*, United Nations Global Compact, Uniting Business Live. Online. October, 2020.
- S.B. BurnSilver**, “Mixed Economies, Adaptation and Vulnerability in Alaska: A view through networks”, Conference on Regional Problems of Development of the Russian Far East and the Arctic, Petrapavlovsk, Kamchatka, Russia, December 2019
- S.B. BurnSilver**, J. Magdanz and J. Baggio. “Structure, Process and Dynamics: Using Social Network Analysis to Make Linkages in SES. ” Paper presented at, Society for Applied Anthropology 2019, Portland OR, March.
- S.B. BurnSilver** and J. Magdanz. “Structures Matter: Cooperation, Sharing and Equity in Alaska Mixed Economies.” Paper Presented at, American Anthropological Association 117th Annual Meeting, San Jose, November 2018.
- S.B. BurnSilver** and M. Shresta. Cultural models of Green Growth versus Traditional Economic Development. Presented at the Workshop “Innovative Green Development Model in Less Developed Regions in China and its Global Implications”, Shishou, China. August, 2016.
- S.B. BurnSilver** and N. Hanan. Pastoralism and Conflict in Northern Mali. University of Bamako, July 2016.
- S.B. BurnSilver.** Divide and Conquer vs. Networks of Cohesion: The Trilateral Governance Strategy in Northern Alaska. Paper presented at, Society for Applied Anthropology 2016, Vancouver BC, March.
- S. B. BurnSilver**, J. Magdanz, A. VanSteelandt, D. Cebuhar (Sept 2015). The role of money within the mixed economies of Northern Alaska. 11th Conference on Hunter Gatherer Societies, Vienna Austria.
- S. B. BurnSilver**, J. Magdanz and R. Boone. “Operationalizing Resilience within Alaskan Mixed Economies: Patterns, Processes and Dynamics” Paper Presented at,

- American Anthropological Association 113th Annual Meeting, Washington DC
December 2014.
- S. B. BurnSilver**, J. Baggio, J. Magdanz, A. Arenas, M. De Domenico, and G. Kofinas (May 2014). "Ties that bind us together: Sharing, Cooperation and Vulnerability in the Alaskan North". The 4th International Congress of Arctic Social Sciences (ICASS IV).
- S. B. BurnSilver**, J. Magdanz, G. Kofinas (May 2014). "Sharing and Cooperation within Mixed Northern Economies: Social Network Data and Thinking about Sustainability". The 4th International Congress of Arctic Social Sciences (ICASS IV).
- S.B. BurnSilver** (May 2014). "Proposition: Social Institutions Contribute to Resilience within SESs at the Margins. Third International Science and policy Conference on the resilience of social & ecological systems, Montpellier, France.
- S.B. BurnSilver** (April 2014) Tradeoffs in the mixed economies of village Alaska: "How do we Hunt and Work at the Same Time?" Paper presented in: The Give and Take of Sustainability: Anthropological Perspectives, Workshop sponsored by, Amerind Museum and Research Center and ASU School of Sustainability. April 10-14, 2014, Amerind Museum and Research Center.
- S.B. BurnSilver**, J. Baggio and J. Magdanz (2013). What does observed multiplexity in food sharing and cooperative networks suggest for household vulnerability in the Alaskan North? American Anthropological Association 112th Annual Meeting, Philadelphia, PA Chicago, IL. November 2013.
- S.B. BurnSilver** (2013). Household Resilience in the Far North. Resilience Alliance Science Meeting. Drakensburg, South Africa. April 2013
- S. B. BurnSilver**, Kofinas, G. and J. Magdanz (2013). Superhunters, Superhouseholds and Superproviders. Society for Applied Anthropology Meeting. March. Denver, CO.
- S.B. BurnSilver** (2012) Research Roundtable with representatives of North Slope Borough Wildlife Department and University of Alaska Fairbanks. Barrow, AK. July 2012.
- S.B. BurnSilver**, G. Kofinas, J. Magdanz and P. Fix (2011). The role of social relationships within the mixed economy of Wainwright, AK: How might sharing contribute to resilient livelihoods? Paper presented at the Conference, Resilience 2011: Resilience, Innovation and Sustainability, Arizona State University, Tempe AZ. March 2011.
- Galvin, K and **S.B. BurnSilver** (2009). Linking Pastoral Household Decision-Making to the Environment using Integrated Modeling. Paper presented at the American Anthropological Association 108th Annual Meeting, Philadelphia, PA. November 2009.
- Nkadienye, D. and **S.B. BurnSilver** (2009). "We are pastoralists": Resilience in Maasailand in the midst of dramatic change. Paper presented at the conference "Indigenous Societies and Social-Ecological Resilience", Sponsored by the Resilience Alliance, Cairns Australia, March 8-14, 2009.
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LEADERSHIP

Board Member: Navigating the New Arctic Community Office (2024-present)

Lead IASSA Working Group: Re-imagining Arctic Governance: Sovereignty and Collective Action in a Multi-level, Polycentric World. IASSA: International Arctic Social Science Association. (2024 to present)

Convener of Governance and Decision-Making Theme, Global Futures Laboratory, Global Institute of Sustainability and Innovation, ASU. (2020-2023)

Co-Editor, with Joni Adamson (ASU), Cambridge University Press, (2018-2019)

ASU representative: Arctic Research Consortium of the United States (ARCUS) (2017-2025)

PROFESSIONAL, UNIVERSITY and UNIT SERVICE

SHESC Representative, ASU Faculty Senate (2025-present)

SHESC Executive Committee Lead (2025-present), Member 20

Convener, SHESC – Environmental Social Science Approach (2022-2024)

NSF Navigating the New Arctic, Track 1 Panel Review Member (2020, 2021)

Reviewer: National Science Foundation, Science and Technology Research Program (2019)

Reviewer: North Pacific Research Board's Arctic Integrated Ecosystem Research Program competition (2016 and 2017)

Journal Reviewer for *PNAS*, *PLOS ONE*, *Ecological Applications*, *Journal of the American Ecological Society*, *Global Environmental Change*, *Ecology and Society*, *Environmental Management*, *South African Journal of Wildlife Research*, *Journal of Arid Environments*, *International Journal of the Commons* and *Arctic*.

PROFESSIONAL AFFILIATIONS

American Anthropological Association: Anthropology and the Environment Section
International Arctic Social Science Association
Society for Applied Anthropology
RA – Resilience Alliance