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Professional preparation

University of WI-Madison, Landscape Architecture	BS 1983
Ethno-botany studies with Anishinaabeg Elder Keewaydinoquay Garden Island, MI	1983-1999
University of WI-Madison, Nelson Institute for Environmental Studies	MS 1993
Sustainability Institute, Vermont, Donella Meadows Fellow	2003-2004
University of WI-Fluno Center for Executive Education, project management	2007

Appointments

- Researcher, Center for Integrated Agricultural Systems, UW-Madison (1998-current). Manage a federal grant-funded research portfolio of ~ \$3m, with multiple subcontracts, shared grants, cooperative agreements, human subjects. Manage Participatory Action Research and systems research teams on market access and food flow / transportation, and supply chain opportunities to mitigate climate change.
- Associate Director/Researcher, Center for Integrated Agricultural Systems, UW–Madison (2006-2022). Jointly develop and manage center budget, and human resources for a head count of ten-twenty.
- Program Manager, Center for Integrated Agricultural Systems, UW –Madison (1998-2006)
- State Specialist, Sustainable Agriculture, University of WI Extension-Agronomy (1996-1998)
- Researcher, Environmental Defense (1996-1998)
- Project Manager, World Wildlife Fund-US, Great Lakes Agricultural Pollution Prevention project (1993-1996)
- Watershed Planner, Wisconsin Department of Agriculture, Trade and Consumer Protection (1992-1993)
- Teaching Assistant, *Environmental Studies - The Humanistic Perspective*. University of Wisconsin-Madison, Graduate School, Nelson Institute for Environmental Studies (1992)
- Public Information Officer, Sustainable Agriculture Demonstration Program, WI Department of Agriculture, Trade & Consumer Protection (1989-1992)
- Assistant to the Director, Environmental Federation of California (now Earth Share) (1987-1989)

Synergistic activities

- Conference co-host: 2021 CALS Native Nations Workshop; webinars on “Resilient Centers for Sustainable Agriculture”; 2018 Joint Annual Meetings of the Agriculture, Food and Human Values Society and the Association for the Study of Food and Society, June 2018 with presentations on domestic fair trade for agriculture of the middle and regional food transportation logistics; 2017 Food Sovereignty Symposium – UW Madison; 2016 National Domestic Fairtrade conference – Portland, OR.
- Conferences: Presenter at: USDA-AMS “Food Flow Research” February 16, 2021; Transportation Research Forum April 7, 2021 on food flow research; University of Missouri’s COVID-19 & the Food System webinar series, “The Next Normal: Restructuring food supply chains” April 15, 2021; Tri-Societies Annual Meetings on “Climate change and the food system”, on-line November 2020; National Academies of Sciences “Innovations in the Food System” on “Innovations in Food Logistics”, Washington D.C., August 2019; Talking Freight, a US Department of Transportation monthly webinar, on market access, April 2019; SXSW Google panel on food access, Austin, TX 2019; Great Lakes Fruit Expo, 2018; USDA SARE decade celebration 2018; 2018 WI Fresh Fruit and Vegetable Growers Conference on hard cider research; 2017 Domestic Fair Trade Assoc.; 2017 Midwest CSA conference; urban food systems presentation at 2017 Transportation Research Board annual conference;
- Committees: National Academies of Sciences, Engineering and Medicine Transportation Research Board’s Standing Committee on Agriculture and Food Transportation; Google Refresh Food + Tech; Inter-Institutional Network for Food and Agriculture Systems (INFAS) Executive Committee, USDA NC1198 Agriculture of the Middle working group; USDA North Central Region IPM / Organic working group, USDA SARE technical advisory committee

- Training and materials development: dairy supply management policy tool/computer application; farm apprenticeships case study; agricultural minimum wage case study; conceptual frameworks for understanding fair trade for agriculture of the middle; single varietal hard cider report; organic transitions decision case studies for horticultural production; business case studies for organizing new nut processing businesses; Mayors guide to agriculture, transportation and climate change in the Upper Mississippi Basin.
- Community service: Academic Staff Assembly district 308 (Researchers) 2019-present; Board of Directors, Wisconsin Farmers Union Foundation 1992-current; Dane County Farmers Union secretary (2019 – present); Dane County Democratic Party Membership Committee (2016-2021); Williamson Street Grocery Cooperative director, 1993-2001; Clean Wisconsin 1998-2001.

Publications

- Rao, J., Gao, S., Miller, M., Morales, A. (accepted with revisions) "Measuring Network Resilience via Geospatial Knowledge Graph: a Case Study of the US Multi-Commodity Flow Network". *Geospatial Knowledge Graphs (GeoKG)*
- Court, CD, Outerbridge, D., Baker, L., Birou, L., Campbell, C., DiGiacomo, G., Galindo, S., Lai, J., Magnier, A., Miller, M., Oliveira, GLT., Orlando, E., Peterson, HH., Qiao, X., Roka, F., Ropicki, A., Saha, BB., Stevens, AW., Shang, L. (accepted with revisions) "Pandemic Production: Impacts of COVID-19 on Florida's fruit and vegetable industries". *Journal of Agricultural & Food Industrial Organization*.
- Miller, M., (under review) "Foodsheds and Regional Food Systems", in *Encyclopedia of Sustainable Technologies*, 2nd edition. Section Editors: Marta Panero & Ziqian Dong
- Peterson, H.H., DiGiacomo, G., Court, C.D., Miller, M., Oliveira, G., Stevens, A.W., Zhang, L., Baker, L., Nowak, J., Orland, E., Saha, B.B. (accepted with revisions). "Impacts of COVID-19 on US agri-food supply chain businesses: Regional survey results". *PLOS ONE*
- Miller, M., Lloyd, S., Long, D., Bell, M., Fochesatto, A., Lowe, E., Enstad, N., Ingram, M. (2022) Comments to USDA regarding docket number AMS-AMS-22.0026 on "Competition in Food Retail and Distribution Markets and Access for Agricultural Producers and Small and Midsized Food Processors".
<https://cias.wisc.edu/wp-content/uploads/sites/194/2022/06/RFI-ConcentrationSigs.pdf>
- Connor, D.S., Tambet, H., Smith, K.S., Ostrom, M., Serrine, J.R., Howard, P.H., Miller, M. (2022) "Apple Grower Research and Extension Needs for Craft Cider". *Horticulture Technology*.
<https://doi.org/10.21273/HORTTECH04827-21>
- Anderson, M., Hoey, L. Hurst, P., Miller, M., Montenegro, M. (2022) INFAS Commentary: Debrief on the [United Nations Food Systems Summit](#). *Journal of Agriculture, Food Systems, and Community Development*.
<https://doi.org/10.5304/jafscd.2022.112.008>
- Miller, M. (2021) "Big data, information asymmetry, and food systems". *Journal of Agriculture, Food Systems, and Community Development*. <https://doi.org/10.5304/jafscd.2021.111.017>
- Miller, M. (2021) "Identifying Critical Thresholds for Resilient Regional Food Flows: A Case Study from the U.S. Upper Midwest." *Frontiers in Sustainable Food Systems* 5 (2021): 371.
<https://doi.org/10.3389/fsufs.2021.684159>.
- Wattiaux, M., Miller, M., Lloyd, S., Enstad, N., Jackson, R., Rissman, A., Lukszys, P. (2021) Comments to USDA regarding the Executive Order 140147 on "America's Supply Chains" specifically for the Production of Agricultural Commodities and Food Products. <https://cias.wisc.edu/wp-content/uploads/sites/194/2021/06/USDAsupplychaincomments2021CIAS.pdf>
- National Academies of Sciences, Engineering, and Medicine 2020. *Innovations in the Food System: Exploring the Future of Food: Proceedings of a Workshop*. Washington, DC: The National Academies Press. Section on food logistics. <https://doi.org/10.17226/25523>.
- Jackson, R., Miller, M., Porter, P., Day-Farnsworth, L. (2017) "Agriculture can indeed fix our food system – if we reimagine it". *The Washington Post*, October 26, 2017.
- Ventura, S. & Bailkey, M. (2017) *Good Food, Strong Communities: Promoting Social Justice through Local and Regional Food System*. University of Iowa Press. Chapter Four contributor entitled, "Distribution: Supplying Good Food to Cities" on regional food freight.
- Miller, M., Holloway, W., Perry, E., Zietlow, B., Kokjohn, S., Lukszys, P., Chachula, N. Reynolds, A., and Morales, A. (2016). *Regional Food Freight: Lessons from the Chicago Region*. Project report for USDA-AMS, Transportation Division. DOI: 10.13140/RG.2.2.21422.51522

- Lengnick, L., Miller, M. and Marten, G. (2015) "Metropolitan Foodsheds: A Resilient Response to the Climate Change Challenge?" *Journal of Environmental Studies and Sciences*. November 2015 DOI 10.1007/s13412-015-0349-2 L.
- Miller, M. and Lorenz, D. (2015). "Agriculture, transportation and climate change: Considering the future of agricultural freight transport in the Upper Mississippi River Valley" November 2015 on-line <http://www.cias.wisc.edu/atcc/>
- Miller, M., Day-Farnsworth, L. and Denicoff, M. (2015). Regional Food Logistics: a Stakeholder Process to Inform the Multi-system Redesign for Sustainability. Conference proceedings National Transportation Research Forum, March 2015.
- Miller, M., Anderson, M., Francis, C., Kruger, C., Barford, C., Park, J., & McCown, B. (2013). Critical research needs for successful food systems adaptation to climate change. *Journal of Agriculture, Food Systems, and Community Development*. <http://dx.doi.org/10.5304/jafscd.2013.034.016>
- Francis, C., Miller, M., Anderson, M., Creamer, N., Wander, M., Park, J., Green, T., & McCown, B. (2013). Food webs and food sovereignty: Research agenda for sustainability. *Journal of Agriculture, Food Systems, and Community Development*. Advance online publication. <http://dx.doi.org/10.5304/jafscd.2013.034.010>
- Day-Farnsworth, L., McCown, B, Miller, M., Pfeiffer, A. (2009) Scaling Up: Meeting the Demand for Local Food. UW-CIAS publication. <http://www.ams.usda.gov/AMSV1.0/getfile?dDocName=STELPRDC5091489>