

Multistate Research Activity Accomplishments Report

Project/Activity Number: NE2249

Project/Activity Title: Sustainable Rural Economic Development to Enhance Housing, Health, and Entrepreneurship

Period Covered: 07/01/2024 – 04/30/2025

Date of This Report: May 21, 2025

Annual Meeting Date(s): April 3, 2025

Annual Meeting Participants

- Thomas Keene – University of Kentucky
- Zheng Tian – Penn State University /NERCRD
- Laura Montenovio – Purdue University
- McKenzie Boyce – University of Wisconsin
- Steve Deller – University of Wisconsin
- John Halstead – University of New Hampshire
- Heather Stephens – West Virginia University
- Arpita Banerjee – Illinois State Water Survey & University of Illinois
- Sarah Low – University of Illinois Urbana-Champaign
- Nathan Palardy – University of Florida
- Anders van Sandt – University of Wyoming (via Zoom)
- Andrew Van Leuven, Chair – University of Vermont
- Anton Bekkerman – University of New Hampshire (via Zoom)

Brief Summary of Minutes of Annual Meeting

The NE 2249 annual meeting was held in conjunction with the Southern Regional Science Association (SRSA) conference, continuing the recent trend of aligning the meeting with SRSA for accessibility and reporting purposes. At an April 3rd business meeting, members shared station reports and research updates, including work on locally owned versus nationally owned outdoor recreation businesses, rural housing challenges and commuting patterns, higher education consolidation, and gendered impacts of childcare availability on rural self-employment. A new dataset—the North Central Center’s Baseline Survey—was introduced, offering data on migration, housing, and labor force participation. Several ongoing collaborations and proposals, such as Keene’s AFRI submission on rural housing, were also discussed.

A meta-conversation on the future of the NE 2249 group led to consensus on maintaining the Multistate Research Group project through its next renewal in two years. Members discussed surveying the group to understand attendance barriers, alternating meetings between SRSA and NARSC, and increasing participation through leadership nominations and reminders about the professional benefits of involvement. The next meeting is planned for the 2026 SRSA conference (location TBD). A 3-question Qualtrics survey was distributed to the group, yielding 19 responses:

- In response to “*Do you plan to attend the 2026 meeting?*” 10 said “Yes” and 9 said “Not sure.”
- In response to “*What format would you prefer for the 2026 meeting?*” 12 selected “In-person only” and 6 selected “Hybrid (both online and in-person participation options).”

- Open-ended responses to “*Please describe any barriers that might prevent you from attending the 2026 meeting*” included the following themes/sentiments:
 - Teaching conflicts and academic calendar misalignment limit spring semester availability.
 - Limited travel funding and rising costs pose participation challenges.
 - Meeting location and timing often clash with other key professional commitments.
 - Some support hybrid options; concerns about tech limiting remote engagement remain.
 - Preference for meetings aligned with broader or more relevant academic conferences.
 - Personal obligations (e.g., family events, retirement) may affect individual availability.

Nathan Palardy has served as the NE 2249 chair-elect and will transition to chair for FY 2026. An incoming chair-elect has not yet been elected, as said chair will be responsible for the renewal of this multistate project. The group will hold an election in the fall.

FY 2025 Goals

- **Support Collaborative Research on Rural Livability and Economic Resilience.** Encourage cross-institutional work on housing, childcare, banking access, and healthcare consolidation, building on themes of quality of life and rural well-being.
- **Enhance Participation and Accessibility for Annual Meetings.** Distribute a survey to identify participation barriers and explore options like hybrid formats or alternating meeting locations (e.g., SRSA and NARSC).
- **Leverage and Promote Shared Data Resources.** Facilitate the use and expansion of new datasets (e.g., the Baseline Survey, community capital indicators, vendor-level farmers market data) to support multistate analyses.
- **Encourage Knowledge Dissemination and Professional Development.** Promote submissions to relevant journals (e.g., *Global Challenges in Regional Science*, *Agricultural and Resource Economics Review*), and highlight leadership roles and editorial opportunities within the group.

Accomplishments

Grant Awards

Anders, John, and **Craig Wesley Carpenter**. 2024-2026. “Redlining in Rural America? Data Collection to Inform Contemporary Rural Economic Development.” *USDA National Institute of Food and Agriculture*. \$300,000.

J. Claro, P. Brochu, and **A. Van Leuven**. 2025-26. “Accelerating Vermont Food Hub Development and Collaboration with Supply Network Analysis.” *Leahy Institute Partnership and Capacity Grant Program*. \$159,428

Thilmany, D., L. Gwin and M. Sullins (**A. van Sandt** among 6 collaborating institutions). 2023-28. Northwest Mountain Regional Food Business Center. Regional Food Business Center proposal to the USDA Ag Marketing Service. \$30 million. With Oregon State, U of Idaho, Montana State, Washington State and U of Wyoming. 2023-2028.

Lim, Siew Hoon (PI). 2024 - 2028. “PARTNERSHIP: U.S. Soybean and Corn Supply Chain Resilience: Impacts of Extreme Droughts on Production.” Submitted with Raghav Goyal, Zhulu Lin, Kennedy Lynn, Veeshan Rayamajhee and Sandro Steinbach. USDA-AFRI. \$800,000.

Davis, A. and **Whitacre, B.** 2024-2025. The Center for Economic Analysis of Rural Health. Funded by Health Resources and Services Administration Federal Office of Rural Health Policy (HRSA FORHP). \$225,000.

Chung, W. , Lyons, K., Belart, F.I, **Chen, Y.** , De Amicis, R., Kim, J., Hogland, J., Anderson, N., Streletskaia, N. A., Muszynski, L., "SSMART Forestry: Paving the way from Forest Restoration to Cross-Laminated Timber," Sponsored by U.S. Economic Development Administration, Federal, Total \$4,400,000.00, Status: Funded. (April 2023 - March 2027)

Lark, T., Aragon, N., Morford, S., Naugle, D., Basso, B., **Bigelow, D.**, and Hendricks, N. Framing CRP in the Big Picture, Funder: US Department of Agriculture, Farm Service Agency. Total project funding: \$2,977,375.

Brandon Hofstedt and **Steven Deller.** Wisconsin Economic Development Corporation. "Community Economic Analysis for Rural Wisconsin Communities (CEA-RWC)." Duration: July 1, 2022 – June 30, 2024. Amount: \$150,000.

Brandon Hofstedt and Tessa Conroy, Co-PIs: **Steven Deller**, Matt Kures and Kristin Runge. Wisconsin Economic Development Corporation. "Rural Wisconsin Entrepreneurship." Duration: November 1, 2022 – October 31, 2026. Amount: \$1,000,000.

Tessa Conroy, Co-PIs: Kathy Cramer, **Steven Deller**, Todd Johnson, Matt Kures and Kristin Runge. Wisconsin Rural Partnership, University of Wisconsin-Madison. "Rural Livability". Duration: September 1, 2023 – August 31, 2026. Amount: \$1,200,000.

Jacob Thebault-Spieker and **Steven Deller.** Wisconsin Idea Collaboration, University of Wisconsin-Madison, Division of Extension. "Towards Understanding the Impacts of Broadband on Wisconsin's Digital Footprint. Duration: July 1, 2024 – June 30, 2027. Amount: \$99,902.

Goetz, Stephan J., Zheng Tian, Timothy Wojan, and Justin Winikoff. 2024-2027. "Climate Change and Decarbonization: Firm-level Insights from the 2023 Annual Business Survey and Implications for Rural Communities." *USDA NIFA*. \$650,000.

Tian, Zheng, and **Stephan J. Goetz.** 2024-2026. "Assessing Societal and Economic Impacts of Place-Based Innovation with Small Area Innovation Rate Estimation." National Science Foundation EAGER PBI Program. \$299,998. <https://nercrd.psu.edu/projects/small-area-innovation-rate-estimation-project/>

Stephens, Heather M., Daniel Eades, Stephan J. Goetz, and Jason Entsminger. 2023-2026. "Factors affecting the success of female and minority rural entrepreneurs and rural economic vitality." USDA NIFA grant. Funding: \$649,913.

Stephens, Heather M., Samuel Workman, and Amanda Weinstein. 2025-2026. "Navigating the Natural Resource Curse: Local Public Finance and Economic Outcomes in Rural America." Resilient Energy Economies (REE) grant. Funding: \$100,000.

Karplus, Valerie, **Heather M. Stephens,** Christophe Columbe, and Daniel Eades. 2025-2026. "Data-Driven Approaches to Support Skills Matching and Resilient Careers in Appalachia." Appalachian Regional Commission ARISE grant. Funding: \$500,000.

Stephens, Heather M. and Daniel Eades. 2024-2026. "Realigning Skills for the Workforce of the Future." Benedum Foundation grant. Funding: \$100,000.

Countryman, A., D. Manning, and **D. Charlton.** 2023-2026. "Effects of Trade Policy on Rural Employment and Wages." USDA National Institute of Food and Agriculture. Funding: \$598,973.

Lu, R., **D. Charlton**, K. Gallardo, L. He, E. Lavelly, Z. Li, Y. Lu, and B. Sallato. 2023-2027. "Development of an Automated and Integrated Mobile System (AIMS) for Apple Harvest and In-field Sorting." USDA NIFA. Funding \$3,531,686

Davis, E.J., M. Machado, M. Bey, V. Cameros, **D. Charlton**, C. Evers, J. Fattal, N. Goulette, A. Hause, H. Huber-Stearns, E.J. Kasner, J. Payne, and A. Perleberg. 2025-2030. "Hands on the Land: Fostering Climate-Resilient Forests through Workforce Equity and Partnership." USDA NIFA. \$8,095,000.

Loveridge, S. and **Skidmore, M.** 2023-2027. "Measuring and Mapping Rural Inflation": USDA-NIFA-AFRI Co-PI/ \$800,000.

Elizabeth E. Davis and Ann Bailey, 2023-2027. "Coordinated Evaluation of Minnesota's Child Care Assistance Payment Policies" *U.S. Department of Health and Human Services, Office of Planning, Research and Evaluation, Administration for Children and Families*. Grant No. 90YE0296. \$1.6 million.

Stephanie Moulton (PI), Tasleem Padamsee, **Cäzilia Loibl**, Meta Brown, Donald Haurin, and Magalie Nicolas. 2024-2025. "WI25-07: Economic Disparities in Widowhood by Race, Gender, and Marital Status: A Mixed-Methods Study of Older Adults who Lost a Partner to Cancer." *Social Security Administration Retirement and Disability Research Consortium at the University of Wisconsin-Madison Center for Financial Security*. \$184,799

Cäzilia Loibl (PI), Stephanie Moulton, Donald Haurin, Joshua Joseph, Kendall Moody, Adam Perzynski, Douglas Einstadter, Madison Hyer, Stephanie Miller-Hughes. 2024-2025. "WI24-13: Racial Disparities in Older Adults' Economic Security when Experiencing Chronic Health Conditions: Insights from Electronic Health Records, Wage Earnings, and Credit Data." *Social Security Administration Retirement and Disability Research Consortium at the University of Wisconsin-Madison Center for Financial Security*. \$184,507

Stephanie Moulton (PI), Donald Haurin, Meta Brown and **Cäzilia Loibl**. 2022-2024. "Improving Access to Home Equity Borrowing for Older Adults." *Huntington National Bank*. \$300,000.

Extension Programs

Carpenter, Craig Wesley, and Tyler Augst. 2025. "Redlining in Michigan: Exploring History, Impacts, and Paths Forward." Online webinars hosted for Black History Month by Michigan State University Extension, February.

Carpenter, Craig Wesley, Adam Ingrao, Michael Lotspeich-Yadao, and Charles Tolbert. 2024. "Research Driven Support for Military Veteran Entrepreneurs: A Summary of Extension Programs, Gaps, and Opportunities." *National Association of Community Development Extension Professionals*. Houston, TX, June.

Malone, Trey, **Craig Wesley Carpenter**, Marcus Bernard, and John Anders. 2024. Sponsored showing of documentary "Gaining Ground: The Fight for Black Land" with the *Minorities in Agriculture, Natural Resources, and Related Sciences* (MANRRS), followed by a panel of experts that included Dr. Deacue Fields, Dr. Ron Rainey, PJ Haynie, Kesha Cobb, and Logan Moss. Fayetteville, AR, March.

Van Sandt, Anders, Craig Wesley Carpenter, Scott Loveridge, and Cris Meier. 2024. "Listening Session: Extension Professionals' Perspectives on Rural Health." Series of virtual focus groups of Extension professionals to discuss rural health access.

Thilmany, D. The Pulse of Public Attitudes and Agriculture. Presentation to the CFVGA Annual Meeting. February 2025. Westminster, CO.

Thilmany, D., J. Rossi, M. Gill and J. Mallon. 2024. Local and Regional Food Systems Response to COVID: A Regional Look at Regional Food Markets Post-COVID. Webinar for the USDA Ag Marketing Service Local and Regional Foods Division Webinar Series. December 19. Online. 55 in attendance

Thilmany, D. (on behalf of R. Hill, J. Martin and B. Delmore). The Proposed Denver Ordinance Banning Animal Slaughter: Implications for the Animal Sector and Economy. Presentation to the Colorado Food Systems Advisory Council. September 2024. Steamboat Springs, CO.

Thilmany, D., Potts, J.A., J. Weller, M. Coleman, Sr. Animal Agriculture at the Urban-Rural Crossroads. Moderated Panel at the Farm Foundation Bridging the Urban-Rural Divide Round Table. June 2024. Westminster CO.

Thilmany, D. 2024. Telling your Story with Data...and Making Decisions Informed by Data to Address Community Goals. Presentation to the 2024 Brownfields Partnership Conference. Arvada CO. April 2024.

Thilmany, D. February 2025. Morgan County & Northeast Colorado: Agriculture, Food and Broader Economic Trends. Fort Morgan CO 80521

Schmidt, C., Entsminger, J., Schweichler, J., Cornelisse, S., Chase, L., Tomas, S., Windon, S., & **Goetz, S.J.** (2025). "Managing Liability, Regulations, and Zoning through the Agritourism Support Ecosystem". Conference Presentation | Research findings briefing. Agritourism in Action: Exploring Agritourism Opportunities Pre-Conference Meeting, Extension Risk Management Education National Conference. Nashville, Tennessee. *Pennsylvania, Maine, Vermont, Oklahoma.*

Kaus, J. & **Entsminger, J.S.** (2025). "Resilient and Sustainable Natural-Resource Dependent Communities: Sustainable Business Model Innovation and Place-Based Circular Economies". Conference Presentation | Invited Emerging Research Paper. USASBE Annual Meeting. Las Vegas, NV. *Maine.*

Entsminger, J.S. (2025). "Agricultural Extension & Entrepreneurial Support Organizations". Conference Workshop | Invited Panelist. Rural and Agricultural Entrepreneurship Special Interest Groups' Joint Workshop, USASBE Annual Meeting. Las Vegas, NV. Co-Panelists: C. Butzke (Purdue University); T. Lessor (Pennsylvania State University). *Maine, Indiana, Pennsylvania.*

Entsminger, J.S., Eades, D., & Li, X. (2025). "Fostering Inclusive Support Ecosystems: A Community of Practice Conversation on Rural Entrepreneurship and Extension Programming". Conference Presentation | Selected Workshop and Research Presentation. National Association of Community Development Extension Professionals Annual Meeting. Charleston, WV. *Maine, West Virginia.*

Linscheid, N., **Entsminger, J.S.**, Eades, D., Kaskie, S., Emery, M., Northrop, C. A., Taylor, L., & White, K. (2025). "*Entrepreneurship in Extension: Exploring the programs and research being done by Extension staff related to entrepreneurship across the country.*" Conference Workshop | Selected Post-Conference Event. National Association of Community Development Extension Professionals Annual Meeting. Charleston, WV. *Minnesota, Maine, West Virginia, Nebraska, Michigan, Wisconsin, Ohio.*

Entsminger, J. (2024). "Labor and Compensation Practices on Maine Farms Post-Pandemic: Early Evidence from a State Monitoring Survey." Conference Presentation | Selected Workshop. New England Fruit and Vegetable Conference. New England Vegetable and Berry Growers' Association. Manchester, NH. *Maine.*

Bojinova, E., Connolly, C., Entsminger, J.S., and Yang, L. (2022 - 2025) “Entrepreneurial Networks, Resource Access, and Performance of New England Small- and Medium-Sized Farms” *Connecticut, Maine.*

Kantrovich, A., Arezzo, D., **Entsminger, J.**, McAdam, K., & Sciabarrasi, M. (2023 - 2024) “Agricultural Tax Seminar for Tax Preparers”. IRS Program Code: RR9HG-T-00057-24-O (worth 6 IRS Continuing Education credits). *New Hampshire, Maine, South Carolina, and New York.*

Wisconsin Economic Development Corporation. “Community Economic Analysis for Rural Wisconsin Communities (CEA-RWC).” Pls: Brandon Hofstedt and **Steven Deller.**

Summary Report for the Lansing Charter Commission: Literature Review on Forms and Efficiency of Government (**Skidmore, M.** & Lu, P.)

Report for the Mott Foundation: Investigating the Condition and Investment Need of Michigan’s Drinking Water Infrastructure: Policy and Financing Ramifications (Sane, S, Schulz, M., Scorsone, E., **Skidmore, M.**)

Palardy, Nathan. 2024. UF Market Research: Florida’s Craft Beer Market. A webinar for current and potential Florida craft beer brewers. *University of Florida, Institute of Food and Agricultural Science Extension.* Available at: <https://www.youtube.com/watch?v=KgNGi1tYqZU>.

Palardy, Nathan and, Sowcik, M. 2024. Strengthening County Governance: Assessing the Impact of Extension-based Leadership Programs on County Commissioners. Southern Extension Economics Committee. Pensacola Beach, FL. *University of Florida, Institute of Food and Agricultural Science Extension.*

Palardy, Nathan., Boatwright J. & Fussell J. 2024. Agriculture Labor Policy Panel Discussion. Florida Agricultural Policy Outlook Conference, Wimauma, Florida. *University of Florida, Institute of Food and Agricultural Science Extension.*

Palardy, Nathan and Candace Lantz. 2024 Tapping into Florida’s Craft Beer Market: A Guide to Consumer Preferences and Purchasing in the Sunshine State. Florida Brewers Guild Annual Conference. Orlando, FL. *University of Florida, Institute of Food and Agricultural Science Extension.*

Publications

Deming, Kristopher, **Craig Wesley Carpenter,** and John Anders. 2025. “Does Military Service Help Minoritized and Women Business Owners? Descriptive Evidence from ‘Vetrepreneur’ Outcomes.” *Journal of Entrepreneurship and Public Policy*, 14(1):1-23. <https://doi.org/10.1108/JEPP-07-2023-0063>

A. Hagerman, A. Schaefer, **A. Van Leuven,** F. Tsiboe, A. Young, and Y. Zereyesus, (2025). Mitigating Structural Inequities in U.S. Agricultural Risk Management. *Journal of Agricultural and Applied Economics.* <https://doi.org/10.1017/aae.2024.29>

S. Hilburn, **B. Whitacre,** and **A. Van Leuven,** (2025). Perceived vs. Measured Impacts of Medical Marijuana on Rural Oklahoma Home Values. *Journal of Agricultural and Applied Economics.* <https://doi.org/10.1017/aae.2025.13>

Ingrao, Adam, **Craig Wesley Carpenter,** Kristopher Deming, Michael Lotspeich-Yadao, and Charles M. Tolbert. 2024. “U.S. Farm Bill Policies to Support America’s Heroes.” *Choices*, 39(3). <https://www.choicesmagazine.org/choices-magazine/submitted-articles/us-farm-bill-policies-to-support-americas-heroes>

- K.A. Schaefer and **A. Van Leuven**, (2024). Quantifying the Rural Legal Desert Problem: Assessing Access to Justice and Legal Services in Marginalized Communities. *South Dakota Law Review*. <https://doi.org/10.70657/SDLR.V69.I3.419>
- C. Biedny, **B. Whitacre**, and **A. Van Leuven**, (2024). Do Gigabits Mean Business? “Ultra-Fast” Broadband Availability’s Effect on Business Births. *Information Economics and Policy*. <https://doi.org/10.1016/j.infoecopol.2024.101094>
- M. Rahe, T. Malone, and **A. Van Leuven**, (2024). Leveraging Social Ties to Financial Gains: Exploring the Impact of Social Capital in Rural Development. *Journal of Rural Studies*. <https://doi.org/10.1016/j.jrurstud.2024.103539>
- Van Sandt, Anders**, Raju Pokharel, **Craig Wesley Carpenter**, and Scott Loveridge. 2024. “Improving Models of Wood Products Plant Locations with Restricted Access Data.” *Forest Policy and Economics*, 167, 103303. <https://doi.org/10.1016/j.forpol.2024.103303>
- Anders, John, **Craig Wesley Carpenter**, Katherine Ann Willyard, and Bethany DeSalvo. 2024. “A Research Note on Community Resilience Estimates: New U.S. Census Bureau Data with an Application to Excess Deaths from COVID-19.” *Demography*, 61(3): 627-642. <https://doi.org/10.1215/00703370-11374710>
- Royuela, V., Langyel, B., **Low, S.A.**, and R. Ortega-Argiles. Editorial. *Global Challenges & Regional Science*. Volume 1, March 2025, 100008. <https://doi.org/10.1016/j.gcrs.2025.100008>
- Herchenback, J.S., Briggeman, B. Bergtold, J., Shanoyan, A., **Low, S.A.**, & Miller, B. 2024. “A Skills Gap Analysis of Farmer Directors of U.S. Farmer Cooperatives.” *Agribusiness*, DOI: 10.1002/agr.21997.
- Love, E., B.B.R. Jablonski, L. Bellows and **D. Thilmany** A Baseline Assessment of School Food Spending and Local Procurement: Exploring the Case of Colorado’s Farm to School State Incentive and Other Public Policies. Forthcoming *Agricultural and Resource Economics Review*
- Kang, S., R. Hill and **D. Thilmany**. Assessing Economic Impacts of Mile High 420 Festival in Colorado. *Tourism Hospitality*. 2024, 5, 521–536. <https://doi.org/10.3390/tourhosp5030032>
- Bauman, A., **Phil Watson, D. Thilmany McFadden**, B.B.R. Jablonski, C.A. Parks, T. Kaminsky, and A.L. Yaroeh. 2024. Building Representative State Groupings in an Input-Output model for the Development of an Economic Impact Calculator for Nutrition Incentive Programs. *Economic Development Quarterly*. Online at: <https://journals.sagepub.com/doi/abs/10.1177/08912424241282425>
- Adjemian, M.K., R. Goyal, R. Mittelhammer and **D. Thilmany**. 2024. Measuring the Economic Contribution of Agricultural and Applied Economics Departments in the United States. *Applied Economic Policy and Perspectives*. 46(3): 921-933
- Bauman, A., B.B.R. Jablonski, A.Yeh, L. Chenarides and **D. Thilmany McFadden**. 2024. Federal Economic Data on Local and Regional Food Producers. *Journal of Agriculture and Applied Economics* (3):537–555. DOI: 10.1002/jaa2.131
- Whitacre, B.**, Rhoades, C. and Davis, A. 2024. Rural Hospital Service Lines: Changes Over Time and Impacts on Profitability. *Journal of Healthcare Management* 69(5): 350-367. <https://dx.doi.org/10.1097/JHM-D-24-00012>

- Horrigan J., **Whitacre B.**, and Galperin, H. 2024. Understanding Uptake in Demand-side Broadband Subsidy Programs: The Affordable Connectivity Program Case.” *Telecommunications Policy* 48(8): 102812. <https://doi.org/10.1016/j.telpol.2024.102812>
- Panyi, A., **Whitacre, B.**, and Young, A. 2025. The Shifting Relationship Between Educational Attainment and Poverty: Analysis of Seven Deep Southern States. *The Annals of Regional Science* 74(1): 16. <https://doi.org/10.1007/s00168-024-01344-4>
- Rhoades, C., **Whitacre B.**, and Davis, A. 2025. Early Adoption of Telehealth / Remote Patient Monitoring and Hospital Revenue Changes During COVID-19. *Journal of Telemedicine and Telecare*. <https://doi.org/10.1177/1357633X241298989>
- Rutherford, M., **Whitacre, B.**, Captain, L., Ekin, S., Angle, J., Henley, T., and O-Hara, J. 2025. Rural Entrepreneurship through Technology: A Case Study using Productivity-Enhancing-Technology-Experience Kits (PETE-Kits). *IEEE Transactions on Education*. <https://doi.org/10.1109/TE.2025.3557023>
- Entsminger, J.**, Green, J.J., Wiatt, R., & Bednarikova, Z. (2024). *Multi-method research in the digital age: A methodological case study of a broad-scale rapid rural appraisal*. Community Development. <https://doi.org/10.1080/15575330.2024.2438011>
- McGowan, L., Percival Carter, E.L., & **Entsminger, J.S.** (2024). *The Challenge of Controlled Environment Agriculture: Technological Innovation and Consumer Demand for Natural*. In: Calabrò, F., Madureira, L., Morabito, F.C., Piñeira Mantiñán, M.J. (eds). *Networks, Markets & People International Symposium Proceedings*. NMP 2024. Part of the series *Lecture Notes in Networks and Systems*, Janusz Kacprzyk (series ed.). Springer Nature. https://doi.org/10.1007/978-3-031-74672-7_20
- Jaeger, W.K., J. Antle, S.B. Gingerich, and **D. Bigelow**. 2024. “Advancing sustainable groundwater management with a hydro-economic system model: Investigations in the Harney Basin, Oregon.” *Water Resources Research*, 60 (11). DOI: <https://doi.org/10.1029/2023WR036972>
- Aragon, N.U., Y. Xie, **D. Bigelow**, T. Lark, and A. Eagle. 2024. “The realistic potential of soil carbon sequestration in U.S. croplands for climate mitigation.” *Earth’s Future*, 12 (6). DOI: <https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2023EF003866>
- Wing, H.* , **D.P. Bigelow**, and K.B. Fuller. 2024. “Does temporary land retirement promote organic adoption? Evidence from the Conservation Reserve Program.” *American Journal of Agricultural Economics*, 106, (5): 1745-1774. DOI: <https://doi.org/10.1111/ajae.12465>
- Wang, j., Zhu, X., **Chen, Y.** (2024). Climate change, carbon neutrality: the role of spatial economics. *The Annals of Regional Science*, 73, 459–466.
- Chen, Y.**, Kim, M., Fouzia, S. (2024). Climate-Related Disaster Exposure and Regional Migration. *Annals of Regional Science*, 73, 795-824.
- Schmidt, Claudia, Deller, Steven C.** and **Goetz, Stephan**. 2024. “Women Farmers and Community Well-Being Under Modeling Uncertainty.” *Applied Economic Perspectives and Policy*. 46(1):275-299. <https://doi.org/10.1002/aepp.13406>
- Deller, Steven C.** and Maher, Craig. 2024. “Do Local Fiscal Decisions Impact Economic Growth: The Case of Wisconsin.” *State and Local Government Review*. 56(3):235–260. <https://doi.org/10.1177/0160323X2412423>

- Gawai, Vikas and **Deller, Steven C.** 2024. “Is There a Link Between Access to Broadband and Health Outcomes?” *American Journal of Economics and Sociology*. (published online December 7). <https://doi.org/10.1111/ajes.12608>
- Han, Luyi, Timothy R. Wojan, and **Stephan J. Goetz**. “Cloud Computing and Rural Globalization: Evidence for the U.S. Nonfarm Economy.” *Telecommunications Policy* 48, no. 8 (September 2024): 102814. <https://doi.org/10.1016/j.telpol.2024.102814>.
- Han, Luyi, Timothy R. Wojan, **Zheng Tian**, and **Stephan J. Goetz**. 2025. “Explaining the Urban-Rural Export Gap: Evidence from U.S. Firms.” *Journal of the Agricultural and Applied Economics Association*. 1–19. <https://doi.org/10.1002/jaa2.70009>
- Hollas, Chadley, **Claudia Schmidt**, **Zheng Tian**, **Stephan J. Goetz**, and Lisa Chase. “Insights and Oversights: Behind the Data on Agritourism and Direct Sales in the United States.” *Journal of Agriculture, Food Systems, and Community Development*, August 26, 2024, 1–11. <https://doi.org/10.5304/jafscd.2024.134.005>.
- Cary, Michael Cary (PhD graduate) and **Heather M. Stephens**. 2024. “How COVID-19 Affected Participation in Ultramarathons: Gender, Risk Aversion, and Travel.” *Journal of Sports Economics*. <https://doi.org/10.1177/15270025241279231>
- Cary, Michael (PhD graduate) and **Heather M. Stephens**. 2024. “Economic, Environmental, and Technical Gains from the Kyoto Protocol: Evidence from Cement Manufacturing.” *Resources Policy* 91. <https://doi.org/10.1016/j.resourpol.2024.104926>
- Patrick, Carlianne, **Heather M. Stephens**, and Amanda Weinstein. 2024. “Born to Care (or Not): How Gender Role Attitudes Affect Occupational Sorting.” *Labour* 38(2), 203–229. <https://doi.org/10.1111/labr.12261>
- Pipa, Anthony F., **Heather M. Stephens**, David Nason, and Zoe Swarzenski. 2024. “Unlocking Investment in Distressed Rural Places.” The Brookings Institution. <https://www.brookings.edu/articles/unlocking-investment-in-distressed-rural-places/>
- Charlton, D.**, A. Countryman, D. Manning, and S. Ikeme. 2025. “US Employment Exposure to Domestic and Foreign Tariffs under NAFTA.” *Applied Economic Perspectives and Policy*. <https://onlinelibrary.wiley.com/doi/full/10.1002/aep.13503>
- Charlton, D.**, S. Devadoss, R.K. Gallardo, J. Luckstead, and S. Vougioukas. 2025. “Economic Viability of Robotic Fruit Harvesters to Reduce Large Seasonal Labor Demands: Analysis of Gala and Honeycrisp Apples.” *Journal of the Agricultural and Applied Economics Association*. <https://onlinelibrary.wiley.com/doi/full/10.1002/jaa2.70000>
- Charlton, Diane**. 2024. “The Farm Workforce Modernization Act and Warnings from Previous immigration Reforms.” *Applied Economic Perspectives and Policy* <https://onlinelibrary.wiley.com/doi/full/10.1002/aep.13458>
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