

Curriculum Vitae Tom P. Evans

School of Department of Geography and Development
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EDUCATION:

1998 Ph.D. University of North Carolina at Chapel Hill (Geography)
1994–1998 Pre-Doctoral Trainee, Carolina Population Center, UNC-Chapel Hill
1989 B.A. Virginia Polytechnic Institute (Geography)

EMPLOYMENT/POSITIONS:

2018-present Professor, School of Geography and Development, University of Arizona
2013–2018 Professor, Department of Geography, Indiana University
2012–2014 Co-Director, The Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis, Indiana University
2009–2014 Director, Center for the Study of Institutions, Population, and Environmental Change, Indiana University
2005–2013 Associate Professor, Department of Geography, Indiana University
1999–2005 Assistant Professor, Department of Geography, Indiana University
1998–1999 Post-Doctoral Fellow in GIS, Center for the Study of Institutions, Population, and Environmental Change (CIPEC), Indiana University

RESEARCH AREAS:

- Human-environment interactions, Human Dimensions of Global Change, Coupled Natural-Human Systems
- Environmental Decision-Making, Institutions, Governance and Natural Resource Management
- Food/Water Security and Food Systems Governance
- Geographic Information Systems, Spatial Modeling, Agent-based Modeling

EXTERNAL FUNDING:

2020-2021 **RAPID: Spatial Resilience of Food Production, Supply Chains, and Security to COVID-19.** Principal Investigator with Co-PIs Megan Konar (U. Illinois), Kathy Baylis (U. Illinois) and Zack Guido (U. Arizona). National Science Foundation (BCS-2032065) \$199,905.

2020-2022 **Evaluating the Impact of Stress-Tolerant Rice Varieties Through Remote Sensing and Econometric Methods.** Co-Principal Investigator with PI Jeff Michler (U. Arizona) and Co-PI Anna Josephson (U. Arizona). Consultative Group for International Agricultural Research (CGIAR) Standing Panel on Impact Assessment, \$300,000.

2019-2024 **CNH2-L: Linkages and Interactions Between Urban Food Security and Rural Agricultural Systems.** Principal Investigator with Co-PIs Lyndon Estes (Clark Univ.), Megan Konar (U. Illinois), Kathy Baylis (U. Illinois) and Kelly Caylor (U. California-Santa Barbara). National Science Foundation (DEB-1924309) \$1,599,627.

2016-2019 **The Carbon-Nutrient Economy of the Rhizosphere: Improving Biogeochemical Prediction and Scaling Feedbacks From Ecosystem to Regional Scales.** Co-Principal Investigator with Principal Investigator Josh Fisher (Jet Propulsion Labs/UCLA), and Co-PIs Rich Phillips (IU-Biology) and Edward Brzostek (West Virginia University). Department of Energy, \$599,000.

2015-2020 **Understanding Cross-Scale Interactions of Trade and Food Policy to Improve Resilience to Drought Risk.** Co-Principal Investigator with PI Lyndon Estes (Clark University), Co-PI Kelly Caylor (U California-Santa Barbara), and Co-PI Kathy Baylis and Co-PI Megan Konar (U. Illinois). National Science Foundation (SES-1832393) \$2,520,000.

- 2015-2016 **Transitions and Tradeoffs between Food, Energy, and Water Security in African Dryland Agro-ecosystems.** Principal Investigator with PI Kelly Caylor (Princeton University), and Co-PI Lyndon Estes (Clark University), and Co-PI Shahzeen Attari (IU-SPEA). National Science Foundation (Supplement to SES-1360463) \$300,000.
- 2014-2019 **Impacts of Agricultural Decision Making and Adaptive Management on Food Security.** Principal Investigator with PI Kelly Caylor (Princeton University), Co-PI Lyndon Estes (Clark University), and Co-PI Shahzeen Attari (IU-SPEA). National Science Foundation (SES-1360463) \$3,600,000.
- 2012-2015 **Nutrient Cycle Impacts on Forest Ecosystem Carbon Cycling: Improved Prediction of Climate Feedbacks from Coupled C–Nutrient Dynamics from Ecosystem to Regional Scales.** Co-Principal Investigator with Principal Investigator Josh Fisher (Jet Propulsion Labs/UCLA), and Co-PIs Rich Phillips (IU-Biology) and Danilo Dragoni (IU-Geography). Department of Energy \$1,045,000.
- 2012–2015 **A Belowground Framework for Predicting How Plant-Microbe Interactions Couple Carbon and Nutrient Economies of Forests.** Co-Principal Investigator with PI Richard Phillips (IU-Biology) and Co-PI Joshua Fisher (Jet Propulsion Labs/UCLA). National Science Foundation (DEB-1153401) \$398,045.
- 2011–2016 **CNH: Institutional Dynamics in Robust Social-Ecological Systems: Adaption to Climate Change in Snowmelt-Dependent Agricultural Systems.** Principal Investigator with and Co-PIs Elinor Ostrom, Krister Andersson (Political Science, Univ. of Colorado), Kelly Caylor (Civil and Env. Engineering, Princeton University), and Daniel Cole (IUB School of Law/SPEA). National Science Foundation (BCS-1115009) \$1,200,000.
- 2010–2015 **Spatial Resilience of Agriculturalists to Coupled Ecological and Hydrological Variability in Rural Zambia.** Principal Investigator with Co-PIs Kelly Caylor (Civil and Environmental Engineering, Princeton University) and Scott Robeson (Geography, IU). National Science Foundation (BCS-1026776) \$700,000.
- 2010–2012 **EAGER: In-Situ Archiving of Digital Scientific Data.** Co-Principal Investigator with PI Beth Plale (School of Informatics and Computing, IU) and Co-PI Elinor Ostrom (Political Science, IU). National Science Foundation (OCI-1058452) \$200,000.
- 2010–2011 **New Media Approaches for Cross-Disciplinary Education and Community Awareness of Remote Sensing and Land Use Dynamics.** Principal Investigator with Co-PI Rich Phillips (Biology, IU). NASA/Indiana Space Grant Consortium. \$14,719.
- 2007–2010 **Dynamics of Reforestation in Coupled Social-Ecological Systems: Modeling Land-Use Decision Making and Policy Impacts.** Principal Investigator with Co-PIs Emilio Moran (Anthropology, IU), Burney Fischer (SPEA, IU), Catherine Tucker (Anthropology, IU), and Kelly Caylor (Geography, IU). National Science Foundation (BCS-0624178) \$749,150.
- 2007–2010 **Decentralization, Local Institutions, and Environmental Change: A Cross-Sectional Time-Series Study of Forest Governance in Latin America.** Co-Principal Investigator with PI Krister Andersson (Political Science, University of Colorado) and Co-PI Clark Gibson (Political Science, University of California at San Diego). National Science Foundation (SES-0648447) \$272,895.
- 2002–2008 **Development of a Spatial-Experimental Laboratory for Research and Policy Analysis Related to Complex Systems.** Co-Principal Investigator with PI Elinor Ostrom (Political Science, IU) and Co-PIs Jerome Busemeyer (Psychology, IU), Robert Huckfeldt (Political Science, IU), and James Walker (Economics, IU). National Science Foundation (BCS-0215738) \$847,874.
- 2001–2006 **Biocomplexity in Linked Bioecological-Human Systems: Agent-Based Models of Land-Use Decisions and Emergent Land-Use Patterns in Forested Regions of the American Midwest and the Brazilian Amazon.** Co-Principal Investigator with PI Elinor Ostrom (Political Science, IU) and Co-PIs Jerome Busemeyer (Psychology, IU), Vicky Meretsky (School of Public and Environmental Affairs, IU), and James Walker (Economics, IU). National Science Foundation (SES-0083511) \$2,751,732.
- 2001–2003 **Incorporating Human Drivers and Responses in Land Use Change Models for the Northeastern and North Central Research Areas.** Co-Principal Investigator with Morgan Grove (USDA-FS) and

- Charles Schweik (Political Science, University of Massachusetts at Amherst) USDA. \$75,000
- 2001–2002 **Social Assessment of the Shawnee National Forest.** Principal Investigator USDA – Forest Service. \$25,000
- 2000–2001 **A Social Assessment of the Hoosier National Forest.** Co-Principal Investigator with PI Elinor Ostrom (Political Science, IU) USDA – Forest Service. \$25,000

PUBLICATIONS:

Refereed Journal Articles (published and in press)

+ denotes senior author role/PI/research team lead

78. von Gnechten, R., Wang, J., Konar, M., Baylis, K., Anderson, P., Giroux, S., and **Evans, TP**. In press. A Gravity Model and Network Analysis of Household Food Sharing in Zambia. *Environmental Research Letters*.
77. Waldman, K., Todd, P., Omar, S., Blekking, J., Giroux, S., Attari, S., Baylis, K., and **Evans, TP**. In press. Agricultural decision making and climate uncertainty in developing countries. *Environmental Research Letters*.
76. Hannah, C, Giroux, S., Krell, N., Lopus, S., McCann, L., Zimmer, A., Caylor, K., **Evans⁺, TP**. In press. Has the vision of a gender quota rule been realized for community-based water management committees in Kenya? *World Development*.
75. Zimmer, A., Guildo, Z., Tuholske, C., Pakalniskis, A., Lopus, S., Caylor, K., and **Evans⁺, TP**. In press. Dynamics of Population Growth in Secondary Cities across Southern Africa. *Landscape Ecology*.
74. Schmitt-Harsh, M., Waldman, K., Estes, L., and **Evans⁺, TP**. In press. Understanding social and environmental determinants of piecework labor in smallholder agricultural systems. *Applied Geography*.
73. Blekking, J., Waldman, K. and **Evans⁺, TP**. In press. Hybrid-maize seed certification and smallholder adoption in Zambia. *Journal of Environmental Management and Planning*.
72. Zuniga-Teran, A., Gerlak, A., Mayer, B., **Evans, TP**, Lansey, K. 2020. Urban resilience and green infrastructure systems: towards a multidimensional evaluation. *Current Opinions in Environmental Sustainability*, 44:42-47.
71. Krell, N., Giroux, S., Guido, Z., Hannah, C., Lopus, S., **Evans, TP**, and Caylor, K. 2020. Smallholder farmers' use of mobile phone services in central Kenya. *Climate and Development*.
70. Giroux, S., McCord, P., Lopus, S., Gower, D., Dell'Angelo, J., Dickinson, S., Chen, X., Caylor, K. and **Evans⁺, TP**. 2020. Environmental Heterogeneity and Commodity Sharing in Smallholder Agroecosystems. *PLOS One*, 15(1).
69. Tuholske, C., Andam, K., Blekking, J., **Evans, TP**. and Caylor, K. 2020. Comparing Measures of Urban Food Security in Accra, Ghana. *Food Security*, 12:417-431.
68. Blekking, J., Waldman, K., Tuholske, C. and **Evans⁺, TP**. 2020. Formal/Informal employment and Urban Food Security in Sub-Saharan Africa. *Applied Geography*, 114.
67. Waldman, K., Blekking, J., Giroux, S., Baylis, K., and **Evans⁺, TP**. 2020. Smallholder food storage dynamics and resilience. *Food Security*, 12:7-20.
66. Giroux, S., Kouper, I., Estes, L., Schumacher, J., Waldman, K., Caylor, K., **Evans⁺, TP**. 2019. A High-Frequency Mobile Phone Data Collection Approach for Research in Social-Environmental Systems: Applications in Climate Variability and Food Security in Sub-Saharan Africa. *Environmental Modelling & Software*, 119:57-69.
65. Van Bers, C., Erikson, S., Korhonen-Kurki, K., Purdon, M., **Evans, TP**, Delaney, A., Vasileiou, I., Cramer, L., Eakin, H., Pahl-Wostl, C., Jones, L., and Oberlack, C. 2019. Advancing the Research Agenda on Food Systems Governance and Transformation. *Current Opinions in Environmental Sustainability*, 39:94-102.
64. Tuholske, C., Caylor, K., **Evans, TP** and Avery, R. 2019. Variability in Urban Population Distributions Across Africa. *Environmental Research Letters*. 14(8):085009.
63. Waldman, K., Attari, S., Gower, D., Giroux, S., Caylor, K., and **Evans⁺, TP**. 2019. The salience of climate change in farmer decision making within smallholder semi-arid agroecosystems. *Climatic Change*, 156(4):527-543.
62. He, X., Estes, L., Konar, M., Tian, D., Anghileri, D., Baylis, K., **Evans, TP** and Sheffield, J. 2019. Integrated Approaches to understanding reducing drought impact on food security across scales. *Current Opinions in*

Environmental Sustainability, 40: 43-54.

61. Verberg, P., Alexander, P., **Evans, T.**, Magliocca, N., Malek, Z., Rounsvell, M., and van Vilet, J. 2019. Beyond land cover change: Towards a new generation of Land Use Models. *Current Opinions in Environmental Sustainability*, 38: 77-85.
60. Waldman, K.B., Vergopolan, N., Estes, L.D., Attari, S.Z, Sheffield, J., Caylor, K.K., and **Evans⁺, TP** 2019. Cognitive biases about climate variability in smallholder farming systems in Zambia. *Weather, Climate and Society*, 369-383.
59. Washington-Ottombre, C., and **Evans⁺, TP** 2019. Exploring relationships between the institutional success and length of tenure in a Kenyan irrigation scheme. *International Journal of the Commons*, 13(1):328-351.
58. Zhao, Y., Vergopolan, N., Baylis, K., Blekking, J. Caylor, K., **Evans, T.**, Giroux, S., Sheffield, J. and Estes, L. 2018. Comparing Empirical and Survey-based Yield Forecasts in a dryland agro-ecosystem. *Agriculture and Forest Meteorology*. 262:147-156.
57. Baldwin, E., McCord, P, Dell'Angelo, J., **Evans, TP**. 2018. Collective action in a polycentric water governance system. *Environmental Policy and Governance*, 28:212-222.
56. Carley, S., **Evans, TP**, Graff, M., Konisky, D. 2018. A framework for evaluating geographic disparities in energy transition vulnerability. *Nature Energy*. 3:621-627.
55. Carley, S., **Evans, T. P.**, Konisky, D. M. 2018. Adaptation, culture, and the energy transition in American coal country. *Energy Research & Social Science*, 37:133-139.
54. Delaney, A., **Evans, TP**, McGreevy, J., Blekking, J., Schlachter, T., Korhonen-Kurki, K., Tamas, P., Crane, T., Eakin, H., Forch, W., Jones, L., Nelson., D., Oberlack, C., Purdon, M. and Rist, S. 2018. Governance of food systems across scales in time of social-ecological change: A review of indicators. *Food Security*, 10(2):287-310.
53. Estes, L.D., Chen, P., Debats, S.R., **Evans, TP**, Ferreira, S., Ragazzo, G., Sheffield, J., Wolf, A., Wood, E.F. & Caylor, K.K. 2018. A large-area, spatially continuous assessment of land cover map error and its impact on downstream analyses. *Global Change Biology*, 24(1):322-337.
52. Kuil, L., **Evans, TP**, McCord, P.F., Salinas, J.L, and Blöschl, G. 2018. Exploring the Influence of Smallholders' Perceptions Regarding Water Availability on Crop Choice and Water Allocation through Socio-hydrological Modeling. *Water Resources Research*, 54:2580-2604.
51. Marcantonio, R., Attari, S. and **Evans, TP**. 2018. Farmer Perceptions of Conflict Related to Water in Zambia. *Sustainability*, 10(2), 313.
50. McCord, P.F., Waldman, K., Baldwin, E., Dell'Angelo, J., and **Evans⁺, TP**. 2018. Multi-level adaptation to climate variability and water security in smallholder agricultural systems. *World Development*, 108:296-308.
49. Blekking, J., Tuholske, C. and **Evans⁺, TP**. 2017. Adaptive Governance and Market Heterogeneity: An Institutional Analysis of an Urban Food System in Sub-Saharan Africa. *Sustainability*, 9:1-16.
48. Lopus, S., McCord, P., Gower, D. and **Evans⁺, TP**. 2017. Drivers of Farmer Satisfaction with Small-Scale Irrigation Systems. *Applied Geography*, 89:77-86.
47. McCord, P., Dell'Angelo, J., Baldwin, E. and **Evans⁺, TP**. 2017. Polycentric transformation in Kenyan water governance: A dynamic analysis of institutional and social-ecological change. *Policy Studies Journal*. 45(4):633-658.
46. McCord, P., Dell' Angelo, J., Gower, D. and **Evans⁺, TP**. 2017. Household level heterogeneity of water resources within common-pool resource systems. *Ecology and Society*, 22(1):48.
45. Waldman, K., Blekking, J., Attari, S. and **Evans⁺, TP**. 2017. Maize seed choice and perceptions of climate variability among smallholder farmers. *Global Environmental Change*. 47:51-63.
44. Wright, G., Andersson, K., Gibson, C. and **Evans, TP**. 2016. Decentralization can help reduce deforestation when user groups engage with local government. *Proceedings of the National Academy of Science*, 113(52):14958-19963.
43. Gower, D., Dell'Angelo, J., McCord, P., Caylor, K., and **Evans, TP**. 2016. Ecohydrological dynamics of smallholder strategies for food production in dryland agricultural systems. *Environmental Research Letters*, 11(11).

42. Dell' Angelo, J., McCord, P., Gower, D., Carpenter, S., Caylor, K., **Evans⁺, TP**. 2016. Community Water Governance on Mount Kenya: An Assessment Based on Ostrom's Design Principles of Natural Resource Management. *Mountain Research and Development*. 36(1): 102-115.
41. Estes, L.D., McRitchie, D., Choi, J., Debats, S., **Evans, T.P.**, Guthe, W., Luo, D., Ragazzo, G., Zempleni, R. & Caylor, K.K. 2016. A platform for crowdsourcing the creation of representative, accurate landcover maps. *Environmental Modelling & Software*, 80:41–53.
40. Fisher, J.B., Sweeney, S., Brzostek, E.R., **Evans, T.P.**, Johnson, D.J., Myers, J.A., Bourg, N.A., Wolf, A.T., Howe, R.W., Phillips, R.P., 2016. Tree–mycorrhizal associations detected remotely from canopy spectral properties. *Global Change Biology*, 22(7): 2596-2607.
39. Konar, M., **Evans, TP**, Levy, M., Scott, C., Troy, T., Vorosmarty, C and Sivapalan, M. 2016. Water resources sustainability in a globalizing world: who uses the water? *Hydrological Processes*. 30:3330-3336.
38. O'Sullivan, D., **Evans, TP**, and Manson, S. 2016. Strategic Directions for Agent-based Modeling - Avoiding the YAAWN Syndrome. *Journal of Land Use Science*. 11(2): 177-187.
37. Baldwin, E., Washington-Ottombre, W., Dell' Angelo, J., Cole, D. and **Evans⁺, TP**. 2015. Polycentric Water Governance in Response to Failures of Centralized Irrigation Policy in Kenya. *Governance*. 29(2):207-225.
36. Magliocca, N., van Vliet, J., Brown, C., **Evans, TP**, Houet, T., Messerli, P., Messina, J., Nicholas, K., Ornetsmüller, C., Sagebiel, J., Schwiezer, V., Verburg, P. and Yu, Q. 2015. From meta-studies to modeling: Using synthesis knowledge to build process-based land change models. *Environmental Modelling and Software*. 72: 10-20.
35. McCord, P., Cox, M., Schmitt-Harsh, M. and **Evans⁺, TP**. 2015. Crop diversification as a smallholder livelihood strategy within semi-arid agricultural systems near Mount Kenya. *Land Use Policy*. 42:738-750.
34. Ruseva, T., **Evans, TP**, Fischer, B. 2015. Can incentives make a difference? Assessing the effects of policy tools for encouraging tree-planting on private lands. *Journal of Environmental Management*. 155, 162-170.
33. Sweeney, S., Ruseva, T., Estes, L., and **Evans⁺, T. P**. 2015. Mapping cropland in smallholder-dominated savannas: integrating remote sensing techniques and probabilistic modeling. *Remote Sensing*. 7(11): 15295-15317.
32. Troy, T., Pavao-Zuckerman, M. and **Evans, TP**. 2015. Sociohydrologic modeling: Tradeoffs, hypothesis testing, and validation. *Water Resources Research*. 51: 4806-4814.
31. Villamayor-Tomas, S., Grundmann, P., Epstein, G., **Evans, TP** and Kimmich, C. 2015. The water-energy-food security nexus through the lenses of the IAD framework and value chain analysis. *Water Alternatives*, 8(1) 735-755.
30. Wright, G., Andersson, K., **Evans, TP** and Gibson, C. 2015. What Incentivizes Local Forest Conservation Efforts? Evidence from Bolivia. *International Journal of the Commons*. 9(1): 322-346. ***Awarded Ostrom Memorial Award for Most Innovative Paper of the Year in IJC.**
29. **Evans, TP**, and Cole, D. 2014. Contextualizing the influence of social norms, collective action on social-ecological systems. *Journal of Natural Resources Policy Research*. 6(4): 259-264.
28. Ruseva TB, **Evans TP**, Fischer BC. 2014. Variations in the social networks of forest owners: the effect of management activity, resource professionals, and ownership size. *Small-scale Forestry*. 13(3): 377-395.
27. Paulson-Priebe, M., **Evans TP**, Andersson K, Castellenos E. 2014. Decentralization, forest management, and forest conditions in Guatemala. 1-17. *Journal of Land Use Science*.
26. Mincey SK, Hutten M, Fischer BC, **Evans TP**, Stewart SI, and Vogt JM. 2013. Structuring institutional analysis for urban ecosystems: a key to sustainable urban forest management. *Urban Ecosystems* 16(3):553–571.
25. Schmitt-Harsh M, Mincey SK, Patterson M, Fischer BC, **Evans TP**. 2013. Private residential urban forest structure and carbon storage in a moderate-sized urban area in the Midwest, United States. *Urban Forestry & Urban Greening* 12(4):454–463.
24. Schmitt-Harsh M, Sweeney SP, and **Evans TP**. 2013. Classification of coffee-forest landscapes using Landsat TM imagery and spectral mixture analysis. *Photogrammetric Engineering & Remote Sensing* 79(5):457–468.
23. Schmitt-Harsh M, **Evans TP**, Castellanos E, and Randolph JC. 2012. Carbon stocks in coffee agroforests and

- mixed dry tropical forests in the western highlands of Guatemala. *Agroforestry Systems* 86(2):141–157.
DOI:10.1007/s10457-012-9549-x.
22. Sweeney SP and **Evans* TP**. 2012. An edge-oriented approach to thematic map error assessment. *Geocarto International* 27(1):31–56.
 21. **Evans TP**, Phanvilay K., Fox J, and Vogler J. 2011. An agent-based model of agricultural innovation, land-cover change and household inequality: the transition from swidden cultivation to rubber plantations in Laos PDR. *Journal of Land Use Science* 6(2-3):151–173.
 20. Kelley H and **Evans TP**. 2011. The relative influences of land-owner and landscape heterogeneity in an agent-based model of land-use. *Ecological Economics* 70(6):1075–1087.
 19. Andersson K, **Evans TP**, and Richards KR. 2009. National forest carbon inventories: Policy needs and assessment capacity. *Climatic Change* 93:69–101.
 18. Ekbia HR and **Evans TP**. 2009. Regimes of Information: Land Use Management and Policy. *The Information Society* 25(5):328–343.
 17. Donnelly S and **Evans TP**. 2008. Characterizing spatial patterns of land ownership at the parcel level in south-central Indiana, 1928–1997. *Landscape and Urban Planning* 84(3):230–240.
 16. **Evans TP** and Kelley H. 2008. Assessing the transition from deforestation to forest regrowth with an agent-based model of land cover change for south-central Indiana (USA). *Geoforum* 39(2):819–832.
 15. Messina JP, **Evans TP**, Manson SM, Shortridge AM, Deadman PJ, and Verburg PH. 2008. Complex systems models and the management of error and uncertainty. *Journal of Land Use Science* 3(1):11–25.
 14. Parker DC, Entwisle B, Rindfuss RR, VanWey LK, Manson SM, Moran E, An L, Deadman P, **Evans TP**, Linderman M, Mussavi SM, and Malanson G. 2008. Case studies, cross-site comparisons, and the challenge of generalization: Comparing agent-based models of land-use change in frontier regions. *Journal of Land Use Science* 3(1):41–72.
 13. Rindfuss RR, Entwisle B, Walsh SJ, An L, Badenoch N, Brown DG, Deadman P, **Evans TP**, Fox J, Geoghegan J, Gutmann M, Kelly M, Linderman M, Liu J, Malanson GP, Mena CF, Messina JP, Moran EF, Parker DC, Parton W, Prasartkul P, Robinson DT, Sawangdee Y, VanWey LK, and Verburg PH. 2008. Land use change: Complexity and comparisons. *Journal of Land Use Science* 3(1):1–10.
 12. Tucker CM, Randolph JC, **Evans TP**, Andersson KP, Persha L, and Green GM. 2008. An approach to assess relative degradation in dissimilar forests: Toward a comparative assessment of institutional outcomes. *Ecology and Society* 13(1):4.
 11. **Evans TP** and Manson SM. 2007. Guest editorial: Space, complexity and agent-based modeling. *Environment and Planning B* 34(2):196–199.
 10. Manson SM and **Evans TP**. 2007. Agent-based modeling of deforestation in southern Yucatán, Mexico, and reforestation in the Midwest United States. *Proceedings of the National Academy of Sciences* 104(52):20678–20683.
 9. **Evans TP**, Sun W, and Kelley H. 2006. Spatially explicit experiments for the exploration of land-use decision-making dynamics. *International Journal of Geographical Information Science* 20(9):1013–1037.
 8. Musacchio L, Ozdenerol E, Bryant M, and **Evans TP**. 2005. Changing landscapes, changing disciplines: Seeking to understand interdisciplinarity in landscape ecological change research. *Landscape and Urban Planning* 73(4):326–338.
 7. Schweik C, **Evans TP**, and Grove JM. 2005. Open source and open content: A framework for global collaboration in social-ecological research. *Ecology and Society* 10(1):33.
 6. **Evans TP** and Kelley H. 2004. Multi-scale analysis of a household level agent-based model of landcover change. *Journal of Environmental Management* 72(1-2):57–72.
 5. **Evans TP**, Ostrom E, and Gibson C. 2002. Scaling issues with social data in integrated assessment modeling. *Integrated Assessment* 3(2-3):135–150.

4. **Evans TP**, Manire A, de Castro F, Brondízio E, and McCracken S. 2001. A dynamic model of household decision-making and parcel level landcover change in the eastern Amazon. *Ecological Modelling* 143(1-2):95–113.
3. **Evans TP**, and Winterhalder B. 2000. Modified solar insolation as an agronomic factor in terraced environments. *Land Degradation and Development* 11(3):273–287.
2. Walsh SJ, **Evans TP**, Welsh WF, Entwisle B, and Rindfuss RR. 1999. Scale-dependent relationships between population and environment in northeastern Thailand. *Photogrammetric Engineering and Remote Sensing* 65(1):97–105.
1. Entwisle B, Rindfuss RR, Walsh SJ, **Evans TP**, and Curran SR. 1997. Geographic information systems, spatial network analysis, and contraceptive choice. *Demography* 34(2):171–187.

Peer-Reviewed Chapters in Edited Volumes

19. **Evans, TP**, and Cole, D. 2016. Contextualizing the influence of social norms, collective action on social-ecological systems. In *“Classic Papers in Natural Resource Economics” Revisited* (Gopalakrishnan, C. Ed.). Routledge.
18. Chen, P., **Evans, TP**, and Plale, B. 2016. Analysis of Memory Constrained Live Provenance. In *“Provenance and Annotation of Data and Processes”* (Mattoso, M. and Glavic, B. Eds). Springer.
17. Dell’Angelo, J., McCord, P., Baldwin, E., Cox, M., Gower, D., Caylor, K., **Evans, TP**. 2014. Multi-Level Governance of Irrigation Systems and Adaptation to Climate Change in Kenya. In *“The Global Water System in the Anthropocene”*. Ed. Bogardi, J., Bhaduri, A., Leentvaar, J., Marx, S. Springer.
16. Farinaci, J, Ruseva T, Tucker C, **Evans TP**, Batistella M. 2014. Humans as agents of change in forest landscapes. In *Forest Landscapes and Global Change: Challenges for Research and Management*, ed. Azevedo J, Perera A, Pinto A. Newark, NJ: Springer.
15. Andersson, K. **Evans, TP**, Gibson, and C.C., Wright, G. 2014. Decentralization and Deforestation: Comparing Local Forest Governance Regimes in Latin America. In *State and Environment: The Comparative Study of Environmental Governance*, ed. Duit A, 239-264. Cambridge, MA: MIT Press.
14. **Evans TP**, Robinson DT, and Schmitt-Harsh M. 2013. Limitations, challenges, and solutions to integrating carbon dynamics with land-use models. In *Land Use and the Carbon Cycle: Advances in Integrated Science, Management, and Policy*, ed. Brown DG, Robinson DT, French NHF, and Reed BC, 178–208. Cambridge, UK: Cambridge University Press.
13. United Nations Environment Programme. 2012. "Land" chapter in *Global Environment Outlook 5: Environment for the Future We Want*, 65–96. Nairobi, Kenya: United Nations Environment Programme. URL: http://www.unep.org/geo/pdfs/geo5/GEO5_report_C3.pdf. [**Evans** Coordinating Lead Author with one other CLA and ~20 contributing authors]
12. Schmitt-Harsh M, Sweeney SP, and **Evans TP**. 2011. Historic land use and social policy affecting large-scale changes in forest cover in the Midwest United States. In *Engineering Earth: The Impacts of Megaengineering Projects*, ed. Brunn S, 1369–1382. Dordrecht, the Netherlands: Springer.
11. **Evans TP**, Donnelly S, and Sweeney S. 2010. Threats to the forest transition in the Midwest United States. In *Reforesting Landscapes: Linking Pattern and Process*, ed. Nagendra H and Southworth J, 175–203. Dordrecht, the Netherlands: Springer.
10. Kelley H, **Evans TP**. 2010. Measuring the impact of behavioral traders in the market for closed-end country funds from 2002 to 2009. In *Handbook of Behavioral Finance*, ed. B Bruce, 325–345. Cheltenham, UK: Edward Elgar.
9. **Evans TP**, York AM, and Ostrom E. 2008. Institutional dynamics, spatial organization and landscape change. In *Political Economies of Landscape Change: Places of Integrative Power*, ed. Wescoat JL Jr and Johnston DM, 111–129. The GeoJournal Library, Vol. 89. Dordrecht, the Netherlands: Springer.
8. **Evans TP**, Munroe DK, and Parker DC. 2005. Modeling land-use/land-cover change: Exploring the dynamics of human-environment relationships. In *Seeing the Forest and the Trees: Human-Environment Interactions in Forest Ecosystems*, ed. Moran EF and Ostrom E, 187–213. Cambridge, MA: MIT Press.

7. **Evans TP**, VanWey LK, and Moran EF. 2005. Human-environment research, spatially explicit data analysis, and geographic information systems. In *Seeing the Forest and the Trees: Human-Environment Interactions in Forest Ecosystems*, ed. Moran EF and Ostrom E, 161–185. Cambridge, MA: MIT Press.
6. Walsh SJ, **Evans TP**, and Turner BL II. 2004. Population-environment interactions with an emphasis on land-use/land-cover dynamics and the role of technology. In *Geography and Technology*, ed. Brunn SD, Cutter SL, Harrington JW Jr, 491–519. Dordrecht, the Netherlands: Kluwer.
5. **Evans TP**, Ostrom E, and Gibson C. 2003. Scaling issues in the social sciences. In *Scaling in Integrated Assessment*, ed. Rotmans J and Rothman D, 75–106. Integrated Assessment Studies series, ed. Martens P and Rotmans J. Lisse, the Netherlands: Swets & Zeitlinger.
4. **Evans TP** and Moran EF. 2002. Spatial integration of social and biophysical factors related to landcover change. In *Population and Environment: Methods of Analysis*, ed. Lutz W, Prskawetz A, and Sanderson WC. Supplement to *Population and Development Review* 28:165–186. New York: Population Council.
3. Grove JM, Schweik C, **Evans TP**, and Green G. 2002. Modeling human-environmental systems. In *Geographic Information Systems and Environmental Modeling*, ed. Clarke KC, Parks BO, and Crane MP, 160–188. Upper Saddle River, NJ: Prentice Hall.
2. Hoffmann M, Kelley H, and **Evans TP**. 2002. Simulating land cover change in Indiana: An agent-based model of de/reforestation. In *Complexity and Ecosystem Management: The Theory and Practice of Multi-Agent Approaches*, ed. Janssen M, 218–247. Northampton, MA: Edward Elgar.
1. **Evans TP**, Green G, and Carlson L. 2001. Multi-scale analysis of landcover composition and landscape management of public and private lands in Indiana. In *GIS and Remote Sensing Applications in Biogeography and Ecology*, ed. Millington A, Walsh S, and Osborne P, 271–287. Boston: Kluwer.

Working Papers, Technical Reports, Conference Proceedings, Encyclopedic Entries

- Defries RS, Balstad R, Colwell R, **Evans TP**, Lam N S-N, Michaelsen J, Seto K, and Wilson ML. 2007. *Contributions of Land Remote Sensing for Decisions about Food Security and Human Health: Workshop Report*. Washington, DC: National Academies Press. URL: http://books.nap.edu/openbook.php?record_id=11759&page=R1.
- Evans TP**. 2006. Center for the Study of Institutions, Population, and Environmental Change. In *Our Earth's Changing Land: An Encyclopedia of Land-Use and Land-Cover Change*, vol. 1, ed. Geist H, 104. Westport, CT: Greenwood Press.
- Evans TP**. 2006. Decision-making. In *Our Earth's Changing Land: An Encyclopedia of Land-Use and Land-Cover Change*, vol. 1, ed. Geist H, 155–159. Westport, CT: Greenwood Press.
- Evans TP**. 2006. Pixel. In *Our Earth's Changing Land: An Encyclopedia of Land-Use and Land-Cover Change*, vol. 2, ed. Geist H, 472. Westport, CT: Greenwood Press.
- Evans TP**. 2006. Secondary vegetation. In *Our Earth's Changing Land: An Encyclopedia of Land-Use and Land-Cover Change*, vol. 2, ed. Geist H, 532–533. Westport, CT: Greenwood Press.
- Schweik CM, Grove JM, and **Evans TP**. 2004. The open source paradigm and the production of scientific information: A future vision and implications for developing countries. In *Open Access and the Public Domain in Digital Data and Information for Science*, ed. Esanu JM and Uhler PF, 103–109. Washington, DC: National Academies Press. URL: <http://www.nap.edu/books/0309091454/html/103.html>.
- Schweik CM, **Evans TP**, and Grove JM. 2003. *Initiating an Open Source Content Landcover Change Modeling Effort*. Report from a workshop held August 2003, Department of Natural Resources Conservation, University of Massachusetts, Amherst.
- Welch D and **Evans TP**. 2003. *A Social Assessment of Shawnee National Forest History, Demographics, and Stakeholder Views of Southern Illinois*. CIPEC Summary Report No. 5. Bloomington: Center for the Study of Institutions, Population, and Environmental Change (CIPEC), Indiana University.

- Agarwal C, Green GM, Grove JM, **Evans TP**, and Schweik CM. 2002. *A Review and Assessment of Land-Use Change Models: Dynamics of Space, Time, and Human Choice*. CIPEC Collaborative Report No. 1. USFS Publication GTR-NE-297. Joint publication by the Center for the Study of Institutions, Population, and Environmental Change (CIPEC) at Indiana University–Bloomington and the USDA Forest Service. Burlington, Vt.: USDA Forest Service Northeastern Forest Research Station. URL: http://nrs.fs.fed.us/pubs/gtr/gtr_ne297.pdf.
- Welch D, Croissant C, **Evans TP**, and Ostrom E. 2001. *A Social Assessment of Hoosier National Forest*. CIPEC Summary Report No. 4. Bloomington: Center for the Study of Institutions, Population, and Environmental Change (CIPEC), Indiana University.
- Walsh SJ, **Evans TP**, Welsh WF, Rindfuss RR, and Entwisle B. 1998. Population and environmental characteristics associated with village boundaries and landuse/landcover patterns in Nang Rong District, Thailand. In *Proceedings, Pecora 13 Symposium on Human Interactions with the Environment: Perspectives from Space*, 395–404. Bethesda, MD: American Society for Photogrammetry and Remote Sensing. CD-ROM.
- Evans TP**, Walsh S, Entwisle B, and Rindfuss R. 1995. Testing model parameters of transportation network analyses in rural Thailand. In *GIS/LIS '95 Annual Conference and Exposition Proceedings: November 14–16, 1995, Nashville Convention Center, Nashville, Tennessee*, vol. 1, pp. 302–311. Gaithersburg, MD: American Congress on Surveying and Mapping
- Winterhalder B and **Evans TP**. 1991. Preliminary GIS analysis of the agricultural landscape of Cuyo Cuyo, Department of Puno, Peru. In *Applications of Space-Age Technology in Anthropology: Proceedings of a Conference Held at the NASA Science and Technology Laboratory, Stennis Space Center, November 28, 1990*, ed. Behrens CA and Sever TL, 195–225. Bay St. Louis, MS: National Aeronautics and Space Administration. URL: <http://naca.larc.nasa.gov/search.jsp?R=19940004468&qs=N%3D4294730567%2B4294956368%2B4294724598>.

AWARDS/HONORS/VISITING FELLOWSHIPS:

- Ostrom Memorial Award** for most Innovative Paper in International Journal of the Commons (2015)
- Named Senior Research Fellow**, Ostrom Workshop, Indiana University (March 2015)
- Visiting Fellowship**, Research Institute for Humanity and Nature (RIHN), Kyoto, Japan, January–June 2010.
- Sustainability Science Award**, Ecological Society of America, 2009 (co-recipient with authors of manuscripts in *Proceedings of the National Academy of Sciences USA* special feature on "Land Change Science")
- Visiting Fellowship**, Research Institute for Humanity and Nature (RIHN), Kyoto, Japan, May–August 2008.
- Visiting Fellowship**, East-West Center, Honolulu, Hawaii, February–April 2007.
- 2000 ASPRS/ERDAS Award for Best Scientific Paper in Remote Sensing**. Walsh SJ, Evans TP, Welsh WF, Entwisle B, and Rindfuss RR. 1999. Scale dependent relationships between population and environment in northeastern Thailand. *Photogrammetric Engineering and Remote Sensing* 65(1):97–105.
- First Place, Association of American Geographers (AAG), Geographic Information Systems Specialty Group, Student Paper Competition**, 1997 AAG meeting. Paper Title: *Integration of Community Level Population and Environmental Data: Region Growing and Fuzzy Boundaries for the Delineation of Village Territories in Northeast Thailand*.

PRESENTATIONS:

Invited Presentations

- Evans TP. 2014. Moving Beyond Case Studies in Social Ecological Systems Research. Research Institute for Humanity and Nature. Kyoto, Japan, November 18.
- Evans TP. 2014. Phones, Farmers and Agricultural Decision-Making. Princeton Global Collaborative Network - Workshop on Hydrological and Food Security Forecasting. Mpala Research Centre, August 26-28.

- Evans TP. 2014. Governance, Learning and Complexity in Water Systems. International Symposium on Integrated Water Resources Management - International Association of Hydrological Sciences Meeting. Bologna, Italy, June 4-6.
- Evans TP. 2014. Learning from the Vincent and Elinor Ostrom Workshop at Indiana University. Workshop in Institutional Analysis of Social-Ecological Systems (WINS) Inception Workshop, Humboldt University, Berlin, Germany, July 14-16.
- Evans TP. 2014. Water Governance and Adaptation to Disturbances in Irrigated Semi-Arid Agricultural Systems. Albrecht Daniel Thaer Kolloquium - Institutional Economics & Climate Adaptation, Humboldt University, Berlin, Germany, March 18, 2014.
- Evans TP. 2014. Adaptation, Innovation and Institutional Dynamics in Social-Ecological/Socio-Technical Systems. Delft University of Technology, March 24, 2014.
- Evans TP. 2013. *Water Governance, Water Security and Community-Level Resilience to Climate Change*. Humboldt University, Berlin, Germany, May 16.
- Evans TP. 2012. *Climate, Food Security, and Community-Level Institutions in Rural Kenya*. Department of Geography as part of Water in Our World program, University of North Carolina Chapel Hill, October 12.
- Evans TP and Caylor KK. 2011. *Integrated Analysis for Spatial and Temporal Resilience to Food Insecurity*. Annual Institute for Joint Outcomes Related to Sustainability. University of Michigan. Ann Arbor, MI, September 29-30.
- Evans TP and Caylor KK. 2011. *Integrated Analysis for Spatial and Temporal Resilience to Food Insecurity*. "Building Social-Ecological Resilience in a Changing World," International Symposium hosted by the Research Institute for Humanity and Nature, Kyoto, Japan, June 18–20.
- Evans TP. 2011. *Agent-Based Modeling of Smallholder Decision-Making and Food Security in Rural Zambia*. Policy Analysis and Public Finance Faculty Group Speaker Series, School of Public and Environmental Affairs, Indiana University, Bloomington, April 1.
- Evans TP. 2011. *Spatial Analysis and Modeling of Climate Variability, Food Security, and Social-Ecological Resilience in Rural Zambia*. Geography Colloquium Series, Michigan State University, East Lansing, February 25.
- Evans TP. 2010. *Food Security, Climate Variability and Land Use in Zambia: Methods for Spatial Analysis and Modeling Vulnerability and Resilience of Smallholder Systems*. Research Institute for Humanity and Nature, Kyoto, Japan, June 17.
- Evans TP. 2009. *Actor Heterogeneity and Spatial Interactions in Land Use Systems: Agent-Based Perspectives on Natural Resource Management*. Workshop in Political Theory and Policy Analysis, Indiana University, Bloomington, November 2.
- Evans TP. 2009. *Agricultural Innovation, Land-Cover Change and Household Inequality: The Transition from Swidden Cultivation to Rubber Plantations in Laos PDR*. Research Institute for Humanity and Nature, Kyoto, Japan, August 3.
- Evans TP. 2009. *A Spatial Structure for the Institutional Analysis of Common Pool Resource Systems*. Research Institute for Humanity and Nature, Kyoto, Japan, August 3.
- Evans TP. 2009. *The Balance between Urban Deforestation and Rural Reforestation in the Midwest United States*. International Human Dimensions Programme Open Meeting, Bonn, Germany, April 26–30.
- Evans TP. 2009. *Integration of Social and Environmental Data using Geographic Information Systems and Remote Sensing Techniques*. Ctr for Data and Search Informatics, Indiana University, Bloomington, Apr. 1.
- Evans, TP. 2008. *A History of Deforestation & Reforestation in South-Central Indiana*. Bloomington Science Café, City of Bloomington Commission on Sustainability, Bloomington, IN, December 4.
- Evans TP. 2008. *Human-Environment Dynamics with Agent-Based Models of Land Cover Change*. Institute of Industrial Science, University of Tokyo, Japan, July 25.
- Evans TP. 2008. *Modeling Human-Environment Dynamics with Agent-Based Models in Laos PDR, United States and Zambia*. Forestry and Forest Products Research Institute, Tsukuba, Japan, July 24.

- Evans TP. 2008. *Modeling Household-Level Deforestation and Reforestation with Agent-Based Approaches: Case Studies from Laos PDR, United States and Zambia*. Research Institute for Humanity and Nature, Kyoto, Japan, July 17.
- Evans TP. 2008. *Framework for an Agent-Based Model of Resilience*. Research Institute for Humanity and Nature, Kyoto, Japan, June 28.
- Evans TP. 2008. *History and Trends of Agent-Based Models and Their Application to Resource Management*. Research Institute for Humanity and Nature, Kyoto, Japan, May 12.
- Evans TP. 2008. *Diverse Land-Use Decisions in Reforesting and Deforesting Land Change Systems*. Institute for Population and Social Research, Mahidol University, Bangkok, Thailand, January 21.
- Evans TP and Bauer J. 2007. *Social and Biophysical Dynamics of Reforesting Systems: Tensions between Macro-Scale Theories and Local-Scale Findings*. Seminar presentation at the Research Institute for Humanity and Nature, Kyoto, Japan, May 23.
- Evans TP. 2006. *Contributions of Land Remote Sensing for Decisions about Food Security and Human Health*. National Academy of Sciences, Washington, DC, October 23. Representing the Committee on Earth System Science for Decisions about Human Welfare: Contributions of Remote Sensing.
- Evans TP, Deadman P, and Kelley H. 2006. *Diverse Land-Use Decisions in Reforesting and Deforesting Land Change Systems*. Annual Meeting of the American Association for the Advancement of Science, St. Louis, MO, February 20.
- Evans TP. 2005. *Integrating Empirical Analysis and Models of Land Cover Change: Challenges of Model Calibration, Validation and Application*. Symposium on spatial modeling at the Carolina Population Center, University of North Carolina, Chapel Hill, October 26.
- Evans TP, York AM, and Ostrom E. 2004. *Institutional Dynamics, Spatial Organization and Landscape Change at "Places of Power: Economic and Political Driving Forces of Landscape Change in the 21st Century,"* University of Chicago, September 9–11.
- Deadman PJ, Moran E, Evans TP, and Kelly H. 2004. *Agent-Based Models of Land Use Change in Southern Indiana and Altamira, Brazil* at "Decision Making under Uncertainty," Colorado State University, Fort Collins, CO, July 21–23.
- Schweik CM, Evans TP, and Grove JM. 2004. *Open Source Programming as a Framework for Scientific Collaboration: An Example in the Context of Land-Use Change Modeling* at "Scholarly Communication as an Information Commons," Workshop in Political Theory and Policy Analysis, Indiana University, Bloomington, March 31–April 2.
- Deadman P, Evans T, Kelley H, and Ostrom E. 2004. *Emergent Land-Use Patterns of Social-Biophysical Interactions in Complex Systems*. 2004 meeting of the American Association for the Advancement of Science, Seattle, WA, February 12–16.
- Evans TP, Schweik CM, and Grove JM. 2003. *Connecting Landcover Change Models to Policy Needs by Spatial Scale*. European-American Workshop on Long Term Socio-Environmental Research, Motz, France, July 1–5.
- Grove JM, Schweik CM, and Evans TP. 2003. *An Open Source Framework for Landuse Modeling: Kernels and Constituents*. European-American Workshop on Long Term Socio-Environmental Research, Motz, France, July 1–5.
- Evans TP and Welch D. 2003. *Social Assessments of the Shawnee and Hoosier National Forests*. Workshop on Changing Social Landscapes (sponsored by USDA Forest Service), Milwaukee, WI, March 26–28.
- Schweik CM, Grove JM, and Evans TP. 2003. *The Open Source Paradigm and the Production of Scientific Research*. International Symposium on Open Access and Public Domain in Digital Data and Information for Science, United Nations Educational, Scientific and Cultural Organization, Paris, France, March 11.
- Kelley H and Evans TP. 2002. *Simulating Land-Cover Change in South-Central Indiana: An Agent-Based Model of Deforestation and Afforestation*. Workshop in Political Theory and Policy Analysis Colloquium Series, Indiana University, Bloomington, February 11.

- Evans TP. 2001. *Linking Agent Decisions to Landscape Outcomes in a Socio-Ecological Agent-Based Model*. Workshop on Integration of Spatial Ecological and Environmental Social Science Methods for Study of Biodiversity and Biocomplexity, Indiana University, Bloomington, September 27–28.
- Evans TP. 2001. *An Agent-Based Model of Landcover Change in South-Central Indiana: Bridging Social and Environmental Science Research Methods*. School of Natural Resources Colloquium, Ohio State University, Columbus, May 11.
- Evans TP. 2000. *Landcover Change on Public and Private Lands in Indiana*. Workshop on Changing Landscapes of Rural America, Mammoth Hot Springs, WY, September 23–24.
- Evans TP, Ostrom E, and Gibson C. 2000. *Scaling Issues in the Social Sciences*. European Forum of Integrated Environmental Assessment (EFIEA) Matrix workshop "Scaling Issues in Integrated Assessment," Mechelen, the Netherlands, July 12–19.
- Evans TP, Ostrom E, and Moran E. 1999. *Spatial Integration of Social, Political and Biophysical Factors Contributing to Landcover Change*. Workshop on Population-Environment Modeling, Max Planck Institute for Demography, Rostock, Germany, August 12–13.

Conference Presentations

- Evans, TP, Attari, S., Blekking, J., Caylor, K., Estes, L., McCord, P., Plale, B., Schlachter, T., Sheffield, J., and Waldman, K. 2016. Impacts of Agricultural Decision Making & Adaptive Management on Food Security in Africa. American Association of Geographers Annual Meeting, San Francisco, CA.
- McCord, P.F., Dell'Angelo, J., Gower, D., and Evans, T.P. 2016. Delivering Irrigation Water to Smallholder Farmers in the Mount Kenya Region: A Multi-Level Socio-Hydrological Analysis. American Association of Geographers Annual Meeting, San Francisco, CA.
- Schlachter, TE, Evans, TP, Sweeney, S., Blekking, J., Schumacher, J., Waldman, K. 2016 Fuelwood Use in the Miombo woodlands: Examining the Relationship between Household Forest Derived Energy Use and Livelihood Security in Southern Province, Zambia. American Association of Geographers Annual Meeting, San Francisco, CA.
- Sheffield, J., He, X., Wanders, N., Wood, E., Ali, A., Olang, L., Estes, L., Caylor, K., Evans, T. (2015) "Translating the potential of hydrological forecasts into improved decision making in African regions", EOS Trans AGU, 96(52), Fall Meet. Suppl., Abstract GC43E-05.
- Waldman, KB., Evans, TP, Attari, SZ, and Blekking, JP. 2016. Farmers' perceptions of climate events on seed choice. Ostrom Workshop for Political Theory Research Series, Indiana University.
- Waldman, KB., Evans, TP, Attari, SZ, and Blekking, JP. 2016. The impact of Farmers' perceptions of rainfall uncertainty on hybrid maize seed choice. American Association of Geographers Annual Meeting, San Francisco, CA.
- Evans TP. 2015. New Approaches to Capture High Frequency Agricultural Dynamics in Africa through Mobile Phones. American Geophysical Union Fall Meeting, San Francisco, CA.
- Evans TP. 2015. Modeling Local vs. Global Dimensions of Food Security in Sub-Saharan Africa. American Geophysical Union Fall Meeting, San Francisco, CA.
- Evans, TP. 2015. Infrastructure, Institutions and the Water-Food Nexus in Kenya. Global Conference on Complex Systems. Arizona State U, October 1.
- Evans TP. 2015. Mid-Season Farmer Adaptation to Climate Variability in Africa. ICARUS IV: Vulnerabilities and Livelihoods of the Poor. University of Illinois, 7-9 May.
- Evans TP. 2015. Coupling Land Systems Science and Sociohydrology: Theoretical, Methodological and Policy Challenges and Opportunities. Association of American Geographers Annual Meeting.
- Evans TP. 2014. Water Governance in Dryland Irrigation Systems: The Role of Data and Information in Institutional Dynamics. Global Land Project Meeting, Berlin, Germany, March 19-21.
- Evans TP. 2014. The Interplay between Environmental Data, Information and Water Governance. Workshop on the Workshop, Bloomington, IN, June 18-21.

- Evans T, Cox M, McCord P, Caylor K, Washington-Ottombre C, Soderberg K, Sadri S. 2013. *Water Governance, Agricultural Development and Community-Level Resilience to Climate Change*. 14th Global Conference of the International Association for the Study of the Commons, Mt. Fuji, Japan, June 3–7.
- Evans TP, Caylor K, McCord P. 2013. *Water Governance, Agricultural Development and Community-Level Resilience to Climate Change*. Global Water System Project conference "Water in the Anthropocene," Bonn, Germany, May 23.
- Evans TP, Caylor K, McCord P, Cox M, Washington-Ottombre C, Soderberg K. 2013. *Water Governance and Community-Level Resilience to Climate Change in Rural Kenya*. Association of American Geographers Annual Meeting, Los Angeles, CA, April 11.
- Evans TP, Cox M, McCord P, Caylor KK, Washington-Ottombre C, Soderberg K, Sadri S. 2012. *Water Governance, Agricultural Development and Community-Level Resilience to Climate Change*. American Geophysical Union Fall Meeting, San Francisco, CA, December 3–7.
- Evans TP, Cox M, McCord P, Caylor K, Washington-Ottombre C, Soderberg K, Sadri S. 2012. *Water Governance, Agricultural Development and Community-Level Resilience to Climate Change*. International Association for the Study of the Commons biennial meeting, Université Catholique de Louvaine, Louvaine-la-Neuve, Belgium, September 12–14.
- Andersson KP, Evans TP, Gibson CC, Wright GD. 2011. *Decentralization and Deforestation: Examining the Ecological Footprint of Local Governments in Three Latin American Countries*. American Political Science Association annual meeting, Seattle, WA, September 1–4.
- Evans TP, Lekprichakul T, Umetsu C, and Caylor KK. 2011. *An Agent-Based Model of Land Use, Climate Variability and Food Security in Rural Zambia*. Association of American Geographers annual meeting, Seattle, WA, April 12–16.
- Evans TP, Lekprichakul T, Umetsu C, and Caylor KK. 2011. *An Agent-Based Model of Land Use and Smallholder Resilience in Rural Zambia*. Second International Science and Policy Conference of the Resilience Alliance, Tempe, AZ, March 11–16.
- Evans TP, Lekprichakul T, Umetsu C, and Caylor KK. 2010. *An Agent-Based Model of Land Use and Smallholder Resilience to Climate Variability in Rural Zambia*. Global Land Project Open Science Meeting, Tempe, Arizona, October 17–19.
- Batistella M, Farinaci JS, Carmo RL, Evans TP, and Moran EF. 2010. *Dynamics of Reforestation in Coupled Social-Ecological Systems: The State of São Paulo, Brazil*. IUFRO Landscape Ecology Working Group International Conference "Forest Landscapes and Global Change – New Frontiers in Management, Conservation and Restoration," Instituto Politécnico de Bragança, Portugal, September 21–27.
- Evans TP, Caylor K, Sweeney S, Batistella M, and Farinaci JS. 2010. *Comparison of Local-Level Drivers of Reforestation in Indiana (USA) and São Paulo (Brazil)*. IUFRO Landscape Ecology Working Group International Conference "Forest Landscapes and Global Change – New Frontiers in Management, Conservation and Restoration." Instituto Politécnico de Bragança, Portugal, September 21–27.
- Evans TP, Caylor K, Sweeney S, Johnson D, Batistella M, and Farinaci J. 2010. *Balancing Social and Ecological Complexity in Models of Reforestation in Indiana (USA) and São Paulo (Brazil)*. IUFRO Landscape Ecology Working Group International Conference "Forest Landscapes and Global Change – New Frontiers in Management, Conservation and Restoration." Instituto Politécnico de Bragança, Portugal, September 21–27.
- Andersson KP, Evans TP, Gibson CC, Wright GD. 2010. *Decentralization and Deforestation: Comparing Local Forest Governance Regimes in Latin America*. Workshop on "Mapping the Politics of Ecology: Comparative Perspectives on Environmental Politics and Policy," Stockholm, Sweden, June 28.
- Evans TP. 2010. *Food Security, Climate Variability and Land Use in Zambia: Methods for Spatial Analysis and Modeling Vulnerability and Resilience of Smallholder Systems*. Research Institute for Humanity and Nature, Kyoto, Japan, June 17.
- Evans TP, Caylor K, Farinaci J, Batistella M, and Moran E. 2010. *Forest Transition Theory and Thresholds of Reforestation in the Midwest United States and State of São Paulo, Brazil*. Japan Geoscience Union annual meeting, Chiba, Japan, May 23–28.

- Evans TP, Caylor K, Sweeney S, Batistella M, Farinaci J, and Moran E. 2010. *Balancing Social and Ecological Complexity in Models of Reforestation in Indiana (USA) and São Paulo (Brazil)*. Association of American Geographers annual meeting, Washington, DC, April 14–18.
- Evans TP and Moran E. 2009. *Dynamics of Reforestation in Coupled Social-Ecological Systems: Preliminary Results for the State of Indiana, USA*. Latin American International Association of Landscape Ecology, Campos do Jordão, Brazil, October 4–7.
- Evans TP and Caylor K. 2009. *Balancing Social and Ecological Complexity in an Agent-Based Model of Reforestation in South-Central Indiana*. International Association of Landscape Ecology annual conference, Snowbird, Utah. April 12–16.
- Evans TP, Phanvilay K, Fox J, and Vogler J. 2009. *Household and Institutional Dynamics in an Agent Based Model of Land Cover Change in Lomue Village, Laos PDR*. Association of American Geographers annual meeting, Las Vegas, NV, March 22–27.
- Evans TP and Sweeney S. 2008. *Applications of Agent-Based Models in Human Dimensions of Global Change: Heterogeneity, Vulnerability, Inequality and Resilience*. West Lakes Meeting of the Association of American Geographers, Bloomington, IN, November 13–15.
- Evans TP, Panvilay K, Fox J, and Vogler J. 2008. *An Agent-Based Model of Agricultural Innovation and Household-Level Inequality: The Transition from Swidden to Rubber in Northern Laos*. Association of American Geographers annual meeting, Boston, MA, April 15–29.
- Kelley H and Evans TP. 2007. *A Complementary Agent-Based Simulation and Human Experiment Approach to Studying Cooperation in Spatial Resource Use Dilemmas*. Society for the Advancement of Economic Theory Conference, Kos, Greece, June 18–24.
- Evans TP. 2006. *Validation Approaches for Agent-Based Models of Land Cover Change*. Annual Meeting of the Association of American Geographers, Chicago, IL, March 7–11.
- Evans TP and Donnelly S. 2005. *Comparing Landowner Heterogeneity and Historical Processes of Deforestation and Reforestation in the Midwest United States and Brazilian Amazon*. Open Meeting of the Human Dimensions of Global Environmental Change Research Community, University of Bonn, Germany, October 9–13.
- Evans TP, Kelley H, and Sun W. 2005. *Spatially Explicit Computer-Based Experiments As a Tool for Exploring Heterogeneous Decision-Making in Agent-Based Models of Landcover Change*. Geocomputation 2005 meeting, Ann Arbor, MI, August 2–5.
- Evans TP, Kelley H, and Sun W. 2005. *Spatial Decision-Making, Heterogeneity, and Agent-Based Models of Landcover Change*. Annual Meeting of the Association of American Geographers, Denver, CO, April 5–9.
- Evans TP, Kelley H, and Sun W. 2004. *Using Spatial Experiments to Explore Agent Behavior in Agent-Based Models and Simulations*. Workshop on "Integrated Assessment of the Land System: The Future of Land Use," Amsterdam, the Netherlands, October 28–30.
- Evans TP, Kelley H, and Deadman P. 2004. *Spatial Aspects of Decision-Making in Land Management Systems: Implications for Agent-Based Modeling*. Annual Meeting of the International Geographical Union, Glasgow, Scotland, August 15–20.
- Evans TP, Kelley H, and Sun W. 2004. *Using Spatial Experiments to Explore Agent Behavior in Agent-Based Models and Simulations*. Annual Meeting of the Association of American Geographers, Philadelphia, PA, March 15–19.
- Schweik CM, Grove JM, and Evans TP. 2003. *An Open Content Framework for the Production of Landcover Change Models*. Open Meeting of Human Dimensions of Global Environmental Change, Montreal, Canada, October 16–18.
- Evans TP, Kelley H, and VanWey L. 2003. *Incorporating Demographics into Agent-Based Models of Landcover Change*. Annual Meeting of the Population Association of America, Minneapolis, MN, May 1–3.
- Evans TP, Schweik CM, and Grove JM. 2003. *Connecting Landcover Change Models to Policy Needs by Spatial Scale*. International conference on Framing Land Use Dynamics: Integrating Knowledge on Spatial Dynamics in Socio-Economic and Environmental Systems for Spatial Planning in Western Urbanized Countries, Utrecht University, the Netherlands, April 16–18.

- Janssen M, Evans TP, and Meretsky V. 2003. *Validation of Land Use Change Models: The Need to Validate the Dynamics behind the Landscape Patterns and Composition*. International conference on Framing Land Use Dynamics: Integrating Knowledge on Spatial Dynamics in Socio-Economic and Environmental Systems for Spatial Planning in Western Urbanized Countries, Utrecht University, the Netherlands, April 16–18.
- Kelley H and Evans TP. 2003. *Decision Strategies and Landcover Change: A Multi-Agent Model of Household Landuse Decisions in a Reforesting Landscape*. International conference on Framing Land Use Dynamics: Integrating Knowledge on Spatial Dynamics in Socio-Economic and Environmental Systems for Spatial Planning in Western Urbanized Countries, Utrecht University, the Netherlands, April 16–18.
- Mussacchio L, Bryant M, Cadenasso M, Evans TP, and Steiner F. 2002. "Cities of Resilience: Integrating Ecology into Urban Planning, Design, Policy, and Management." Panel discussion at the Council of Educators in Landscape Architecture, Syracuse, NY, September.
- Meretsky V, Evans TP, Carlson L, Parker D, and Welch D. 2002. *Painting Trees by Numbers*. 17th Annual Symposium of the International Association for Landscape Ecology, Lincoln, NE, April 23–27.
- Evans TP, Parker D, Meretsky V, and Kelley H. 2002. *An Agent-Based Model of Landcover Change: Monroe County, IN*. Annual Meeting of the Association of American Geographers, Los Angeles, CA, March.
- Meretsky V, Evans T, Brondizio E, Croissant C, and Parker D. 2001. *Characterizing Landscape Composition and Pattern: Cross-Site Comparison of Social and Biophysical Factors*. Annual Meeting of the International Association of Landscape Ecology, Tempe, AZ, April 25–29.
- Evans TP, Hoffmann M, Kelley H, and Parker D. 2001. *An Agent-Based Model of Parcel-Level Landcover Change in Southern Indiana*. Annual Meeting of the Association of American Geographers, New York, NY, February 27–March 3.
- Green G, Agarwal C, Grove M, Schweik C, and Evans T. 2001. *Limits to Land Cover Change Modeling: Barriers Imposed by Disciplinary Divisions and Data Availability*. Annual Meeting of the Association of American Geographers, New York, NY, February 27–March 3.
- Schweik C, Agarwal C, Green G, Grove JM, and Evans TP. 2000. *A Review and Assessment of Land Use Change Models: Dynamics of Space, Time, and Human Choice*. The 4th International Conference on Integrating GIS and Environmental Modeling (GIS/EM4): Problems, Prospects and Research Needs, Banff, Alberta, Canada, September 2–8.
- Hoffmann M, Kelley H, and Evans TP. 2000. *Simulating Land Cover Change in Indiana: An Agent-Based Model of De/Reforestation*. Microbehavior and Macroresults Conference of the International Fisheries Economics and Trade Association, Oregon State University, Corvallis, July 10–14.
- Green G, Carlson L, and Evans T. 2000. *The Spatial Scale of Institutional Anomalies in the Distribution of Forested Land in Indiana*. Biennial Meeting of the International Association for the Study of Common Property, Bloomington, IN, May 31–June 4.
- Evans TP, Ostrom E, and Moran E. 2000. *Spatial Integration of Social, Political and Biophysical Factors Contributing to Landcover Change*. Association of American Geographers, Pittsburgh, PA, April 6–8.
- Evans TP, Manire A, De Castro F, and McCracken S. 2000. *A Dynamic Model of Household Decision Making and Parcel Level Landcover Change in the Eastern Amazon*. Annual Meeting of the Population Association of America, Los Angeles, CA, March 23–25.
- Evans TP, Green G, and Schweik C. 1999. *Forest Fragmentation and Land Cover Change on Private Lands in Southern Indiana*. Annual Meeting of the Association of American Geographers, Honolulu, HI, March 23–27.
- Entwisle B, Rindfuss R, Walsh S, and Evans TP. 1998. *Satellite Data and Social Demographic Research*. Annual Meeting of the Population Association of America, Chicago, IL, April 2–4.
- Evans TP. 1998. *Spatial Modeling of Community Boundaries in Northeast Thailand*. Annual Meeting of the Association of American Geographers, Boston, MA, March.

Walsh S, Evans TP, Welsh W, Rindfuss R, and Entwisle B. 1997. *Scale Dependence of Landuse/Landcover, Terrain, and Plant Biomass in Northeast Thailand and Their Relationship to Population Characteristics at the Community Level*. Open Meeting of the Human Dimensions of Global Environmental Change Research Committee. Laxenburg, Austria, June 12–14.

Evans TP. 1997. *Integration of Community Level Population and Environmental Data: Region Growing and Fuzzy Boundaries for Delineation of Village Territories in Northeast Thailand*. Annual Meeting of the Association of American Geographers, Fort Worth, TX, April 1–5.

Workshops Given/Training

- Spring/Summer 2008. Social Science Research Council, Dissertation Proposal Development Fellowship. Workshop on Human Dimensions of Global Environmental Change, St. Louis, MO (May 29–June 1) and Milwaukee, WI (Sept. 11–14).
- May 2005. Co-Instructor. CIPEC/Biocomplexity Summer Institute on “Agent-Based Modeling and Natural Resource Governance,” May 16–June 1.
- August 2003. Co-organized “Initiating an Open Source/Content Landcover Modeling Effort” workshop, Boston, MA, co-sponsored by National Science Foundation Biocomplexity program and USDA Forest Service.
- Spring 2003. The Application of FRAGSTATS for the Study of Landuse/Landcover Change. Offered at Indiana University, Bloomington, through the University Information Technology Services "InfoShare" campus series.
- Summers 1998–2003. Co-Instructor. A Summer Institute on Environmental Monitoring and Assessment: Applications in the Americas, Center for the Study of Institutions, Population, and Environmental Change, Indiana University, Bloomington, three-week intensive training course.
- Spring 2002. Co-organized “Initiating an Open Source/Content Landcover Modeling Effort” workshop, Madison, WI, co-sponsored by National Science Foundation Biocomplexity program and USDA Forest Service.
- Spring 2000. Introduction to the Use of Spatial Data in Common-Pool Resources Research at the Biennial Meeting of the International Association for the Study of Common Property, Bloomington, IN.

COURSES TAUGHT:

Introduction to Remote Sensing (G330, Geography)
Physical Systems of the Environment (G107, Geography)
Cartography and Geographic Information Systems (G237, Geography)
Introduction to Geographic Information Science (G338/G538, Geography)
Sustainable Development Systems (G411/G511, Geography)
Advanced Geographic Information Science (G438/G539, Geography)
Seminar in Geographic Information Science (G439/G639, Geography)
Research Problems in Geography (G501, Geography)

GRADUATE STUDENT COMMITTEE:

Chair:

- Julia Davies (PhD Geography) in progress
- Andrew Zimmer (PhD Geography) in progress
- Paul McCord (PhD. Geography) 2018
- Jordan Blekking (M.A. Geography) 2018
- Tyler Schlachter (M.A. Geography) 2017
- Jacob Schumacher (M.A., Geography), 2012, “Building bicycle friendly communities: a case study of five Midwestern communities”
- Mikaela Schmitt-Harsh (Ph.D., Environmental Science), 2012, “Land-cover change and carbon sequestration under diverse land use systems in Guatemala”

- Monica Paulson Priebe (Ph.D., Environmental Science), 2012, "Forest governance institutions, anthropogenic disturbance and forest cover change in Central American forests"
- Charles Winkle (M.A., Geography), 2010, "An inventory of greenspace in Bloomington, Indiana, 1993-2007"
- Shanon Donnelly (Ph.D., Geography), 2009, "Linking land use, land cover, and land ownership at the parcel scale in the Midwest United States"
- Wenjie Sun (Ph.D., Geography) 2006, "A GIS-based integrated approach to explore land-use/cover change dynamics in south-central Indiana"
- Shanon Donnelly (M.S., Geography), 2003, "Linking landscape pattern to social process: a multi-scale analysis of farm woodlots in Northern Indiana"

Member:

Landon Yoder	Ph.D., Geography	in progress
Edgar Espinosa	Ph.D., Geography	in progress
Rich Thurau	Ph.D., Environmental Science	2013
Bassil El-Masri	Ph.D., Geography	2011
Michael Cox	Ph.D., Public Affairs	2010
Lauren Persha	Ph.D., Environmental Science	2008
Ed Brumelia	Ph.D., Political Science	2006
Martin Jepsen	Ph.D., Geography, Univ. of Copenhagen	2006
Jon Winburn	Ph.D., Political Science	2005
Cynthia Croissant	Ph.D., Geography	2004
Brian Offerle	Ph.D., Geography	2003
Nian Liu	M.A., Geography	2005
Ben Crawford	M.S., Geography	2005
Julie Hanson	M.A., Geography	2001

SERVICE:**University Service Activities**

2016-2018	IU Social Science Research Center Advisory Board
2016-2017	Campus Promotion Committee (Office of the Vice Provost for Academic Affairs)
2015-2017	Faculty Co-chair of Campus Sustainability Advisory Board, Indiana University
2015-present	IU Integrated Program in the Environment Advisory Board
2014-2016	IU Bachelors in Environmental and Sustainability Studies Curriculum Committee
2013-2014	Director of Graduate Program, Department of Geography, Indiana University
2012-2014	Co-Director, The Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis, Indiana University
Spring 2011	Coordinated IU Sustainability Course Development Fellowship program and Sustainability Research Development Grant program
2011-2012	Co-chair of cross-campus committee to create an undergraduate degree program in Environmental Studies and Sustainability
2010-2011	Co-Chair of Campus Sustainability Academic Initiatives Working Group
2010-present	Member of Campus Sustainability Advisory Board
2009-present	Director of Indiana University PhD Minor in Human Dimensions of Global Change
2009-2010	Co-Chair of committee to develop an Environmental and Sustainability Studies degree (Indiana University)

2009–2015	Director, Center for the Study of Institutions, Population, and Environmental Change (CIPEC), Indiana University
2008–2012	Internal Advisory Board Member, Center for Research in Energy and the Environment (CREE), Indiana University
2008–2012	Internal Advisory Board Member, Center for Research in Environmental Sciences (CRES), Indiana University
2006–2009	Co-Director, Center for the Study of Institutions, Population, and Environmental Change (CIPEC), Indiana University
2002–2013	Lead Delegate to University Consortium for Geographic Information Science
2002–2006	Associate Director, Center for the Study of Institutions, Population, and Environmental Change (CIPEC), Indiana University
2001–2014	Co-organizer of annual GIS Day Open House at Indiana University, Bloomington, co-sponsored by Department of Geography, Indiana Geological Survey, and University Information Technology Services
April 2004	Keynote speaker at Indiana University School of Public and Environmental Affairs graduate student conference "A Diversity of Disciplines in Creating 'Public' Knowledge: Multiple Approaches to the Study of Environmental and Public Affairs"
Spring 2002	Member of committee to develop a Global Environmental Change program within new International Studies curriculum at Indiana University
Fall 2001	Coordinated application for membership in University Consortium for Geographic Information Science

Other Service Activities

2020-present	Editorial board member, <i>Landscape and Urban Planning</i>
2019-present	Editorial board member,
2018-present	Editorial board member, <i>World Development Perspectives</i>
2011	Coordinating Lead Author of the "Land" chapter in a United Nations Environment Programme report, <i>Global Environment Outlook 5</i> (one of two CLAs)
2011	Organized the session "Design Principles of Agent-Based Models of Land-Use/Land-Cover Change" for the annual meeting of the Association of American Geographers
2007	Co-organized sessions on "Complexity in Geography" for the annual meeting of the Association of American Geographers, with Steve Manson (U Minnesota)
Jan–Apr 2006	Member of National Academy of Sciences steering committee on Remote Sensing Applications to Human Welfare
2005	Co-edited special issue of <i>Environment and Planning B</i> on agent-based modeling and landuse/landcover change, with Steve Manson (U Minnesota)
Spring 2005	Co-organized sessions on Complexity for the annual meeting of the Association of American Geographers, with Steve Manson (U Minnesota), Paul Torrens (Arizona State U), and Dawn Parker (George Mason U)
Spring 2004	Organized three sessions on agent-based modeling for the annual meeting of the Association of American Geographers
Fall 2003	Organized special session on "Designing Landcover Change Models to Meet Policy Needs" for the International Open Science Meeting of Human Dimensions of Global Change
Summer 2003	Co-organized workshop "Initiating an Open Source\Content Landcover Modeling Effort" in Boston, MA, with Morgan Grove (USDA Forest Service) and Charles Schweik (U Massachusetts)
Fall 2001	Co-organized workshop "Land Use/Land Cover" in Madison, WI, an initiative to develop modeling

strategies among Long Term Ecological Research (LTER), Human-Environment Regional Observatory (HERO), and National Science Foundation (NSF) project members, with Morgan Grove (USDA Forest Service) and Charles Schweik (U Massachusetts)

Spring 2001 Co-organized multiple sessions on "Population-Environment Interactions" for the annual meeting of the Association of American Geographers

Proposal Review Activities (last three years – last updated 2015)

2015 Panel member, National Science Foundation, Geography and Spatial Sciences Program

2013-2014 Panel member, National Science Foundation, Coupled Natural and Human Systems

2012 Panel member, National Science Foundation, Sustainability Research Network

2012–present Ad hoc reviewer for Regular Research Panel, National Science Foundation, Geography and Spatial Sciences

2012 Long-Term Ecological Research Advisory Panel, National Science Foundation

2011 External committee member, Asia Institute of Technology

2011 Indiana University Sustainability Course Development Fellowships

2011 Indiana University Sustainability Research Grants

2011 Center for Research in Environmental Sciences, Indiana University

2011 National Science Foundation, Geography and Spatial Sciences

2010–2014 Associate editor, *Journal of Environmental Management*

2009–2012 Panel member, National Science Foundation, Geography and Spatial Science, Doctoral Dissertation Research Improvement Grants