

# Curriculum Vitae

Tom P. Evans

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Department of Geography  
Student Building 120  
Indiana University  
Bloomington, IN 47405 USA

Tel: (812) 856-4587  
Fax: (812) 855-1661  
Email: [evans@indiana.edu](mailto:evans@indiana.edu)  
<http://www.indiana.edu/~geog>  
<http://mypage.iu.edu/~evans>

## EDUCATION:

- 1998 Ph.D. University of North Carolina at Chapel Hill (Geography) Advisor: Steve Walsh  
Dissertation: *Integration of Community-Level Social and Environmental Data: Spatial Modeling of Community Boundaries in Northeast Thailand*
- 1994–1998 Pre-Doctoral Trainee, Carolina Population Center, UNC-Chapel Hill
- 1989 B.A. Virginia Polytechnic Institute (Geography)

## EMPLOYMENT:

- 2006–present Co-Director, Center for the Study of Institutions, Population, and Environmental Change (CIPEC), Indiana University
- 2005–present Associate Professor, Department of Geography, Indiana University
- 2002–2006 Associate Director, Center for the Study of Institutions, Population, and Environmental Change (CIPEC), 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
- Land-use/land-cover analysis and modeling
- Decision making, institutions, and natural resource management
- Geographic Information Systems

## EXTERNAL FUNDING:

- 2007–2009 National Science Foundation (Human and Social Dynamics – Agents of Change)  
**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 (School of Public and Environmental Affairs, IU), Catherine Tucker (Anthropology, IU), and Kelly Caylor (Geography, Princeton University) (BCS0624178) \$749,150
- 2007–2010 National Science Foundation (Political Science/Geography and Regional Science)  
**Decentralization, Local Institutions, and Environmental Change: A Cross-Sectional Time-Series Study of Forest Governance in Latin America.** Co-Principal Investigator with Krister Andersson (PI, University of Colorado) and Clark Gibson (University of California at San Diego) (SES0648447) \$272,895

2002–2008 National Science Foundation (Major Research Instrumentation)  
**Development of a Spatial-Experimental Laboratory for Research and Policy Analysis Related to Complex Systems.** Co-Principal Investigator with Elinor Ostrom (PI, Political Science, IU), Jerome Busemeyer (Psychology, IU), Robert Huckfeldt (Political Science, IU), and James Walker (Economics, IU) (BCS0215738) \$847,874

2001–2003 United States Department of Agriculture: United States Forest Service (USDA-USFS)  
**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-USFS) and Charles Schweik (Political Science, University of Massachusetts at Amherst) \$75,000

2001–2002 Shawnee National Forest, USDA-USFS  
**Social Assessment of the Shawnee National Forest.** Principal Investigator \$25,000

2001–2006 National Science Foundation (Environmental, Social, and Behavioral Sciences/Biocomplexity)  
**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 Elinor Ostrom (PI, Political Science, IU), Vicky Meretsky (School of Public and Environmental Affairs, IU), James Walker (Economics, IU), and Jerome Busemeyer (Psychology, IU) (SES0083511) \$2,751,732

2000–2001 Hoosier National Forest, USDA-USFS  
**A Social Assessment of the Hoosier National Forest.** Co-Principal Investigator with Elinor Ostrom (Political Science, IU) \$25,000

#### **AWARDS/HONORS:**

Ecological Society of America 2009 **Sustainability Science Award** (co-recipient with authors of manuscripts in Proceedings of National Academy of Science 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.*

#### **PUBLICATIONS:**

##### **Edited Journal Issues**

Evans TP, and Manson SM, eds. 2007. *Space, Complexity and Agent-Based Modeling*. Special issue of *Environment and Planning B* 34(2). URL: <http://www.envplan.com/contents.cgi?journal=B&volume=34&issue=2>.

##### **Refereed Journal Articles**

Ekbia, H. and Evans, TP. 2009. Regimes of Information: Land Use Management and Policy. *Information Society*. 25(5):323-343.

Andersson KA, Evans TP, and Richards KR. 2009. National forest carbon inventories: Policy needs and assessment capacity. *Climatic Change* 93:69-101.

Donnelly S, and Evans TP. 2008. Spatial patterns of ownership parcelization in south-central Indiana, 1928–1997. *Landscape and Urban Planning* 84(3):230–240.

- Evans TP, and Kelley H. 2008. Exploring historical dynamics of reforestation with an agent-based model for south-central Indiana. *Geoforum* 39(2):819–832.
- Messina J, Evans T, Manson S, Shortridge AM, Deadman P, and Verburg P. 2008. Complex systems models and the management of error and uncertainty. *Journal of Land Use Science* 3(1):11–25.
- 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.
- Rindfuss R, 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 J, Moran E, Parker DC, Parton W, Prasartkul P, Robinson DT, Sawangdee Y, VanWey LK, and Verburg P. 2008. Land use change: Complexity and comparisons. *Journal of Land Use Science* 3(1):1–10.
- 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 [online]. URL: <http://www.ecologyandsociety.org/vol13/iss1/art4>.
- Evans TP and Manson SM. 2007. Guest editorial: Space, complexity and agent-based modeling. *Environment and Planning B* 34(2):196–199. URL: <http://www.envplan.com/epb/editorials/b3402ed.pdf>.
- Manson S 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 of the United States of America* 104(52):20678–20683.
- Evans TP, Sun W, and Kelley H. 2006. Spatially explicit experiments for the exploration of land use decision-making dynamics. *International Journal of Geographic Information Science* 20(9):1013–1037.
- Musacchio L, Ozdenerol E, Bryant M, and Evans TP. 2005. Changing landscapes, changing disciplines: Seeking to understand interdisciplinarity in landscape change research. *Landscape and Urban Planning* 73(4):326–338.
- Schweik C, Evans T, and Grove J. 2005. Open source and open content: A framework for global collaboration in social-ecological research. *Ecology and Society* 10(1):33 [online]. URL: <http://www.ecologyandsociety.org/vol10/iss1/art33/>.
- 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.
- Evans TP and Moran E. 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.
- Evans TP, Ostrom E, and Gibson C. 2002. Scaling issues with social data in integrated assessment modeling. *Integrated Assessment* 3(2-3):135–150.
- 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 Modeling* 143(1-2):95–113.
- Evans TP and Winterhalder B. 2000. Modified solar insolation as an agronomic factor in terraced environments. *Land Degradation and Development* 11(3):273–287.
- Walsh SJ, Evans TP, Welsh WF, Entwisle B, Rindfuss RR. 1999. Scale dependent relationships between population and environment in northeastern Thailand. *Photogrammetric Engineering and Remote Sensing* 65(1):97–105.
- Entwisle B, Rindfuss R, Walsh S, Evans T, Curran S. 1997. Geographic information systems, spatial network analysis, and contraceptive choice. *Demography* 34(2):171–187.

## Peer-Reviewed Chapters in Edited Volumes

- Schmitt-Harsh, M., Evans, TP, and Sweeney, S. In press. Historic Land Use and Social Policy Affecting Large Scale Changes in Forest Cover in the Midwest United States. In *Engineering Earth*, ed. Brunn, S and Wood, A. Kluwer Academic Publishers.
- Southworth J, Nagendra H, Rudel T, Elmqvist T, Evans T, Meyroidt P, Kozak J, Bray D, Taff G, Conghe S, Daniels A, Hartter J, Perz S, Crews K. In press. Reforestation: Challenges and Themes in Reforestation Research. In *Reforesting Landscapes: Linking Pattern and Process*, ed. Nagendra H and Southworth J. Dordrecht, The Netherlands: Springer.
- Evans TP, Donnelly S, and Sweeney S. In press. Threats to the forest transition in the Midwest United States. In *Reforesting Landscapes: Linking Pattern and Process*, ed. Nagendra H and Southworth J. Dordrecht, The Netherlands: Springer.
- Evans TP, York A, 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.
- 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.
- 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.
- Walsh SJ, Evans TP, and Turner BL II. 2004. Population-environment interactions with an emphasis on LULC dynamics and the role of technology. In *Geography and Technology*, ed. Brunn SD, Cutter SL, Harrington JW Jr, 491–520. Dordrecht, The Netherlands: Kluwer.
- 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.
- Grove JM, Schweik C, Evans T, and Green G. 2002. Modeling human-environmental dynamics. In *Geographic Information Systems and Environmental Modeling*, ed. Clarke KC, Parks BE, and Crane MP, 160–188. Upper Saddle River, NJ: Prentice Hall.
- Hoffmann M, Kelley H, Evans T. 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. Cheltenham, UK/Northampton, MA, USA: Edward Elgar.
- 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](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](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 Collaborative Report No. 2. 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. Order from NASA Technical Reports server: <http://ntrs.nasa.gov/index.jsp?method=order&oaiID=19940004479>.

## **PRESENTATIONS:**

### **Invited Presentations**

- 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, November 2.
- Evans, TP. 2009. A Spatial Structure for the Institutional Analysis of Common Pool Resource Systems. Research Institute for Humanity and Nature (RIHN). Kyoto, Japan, August 3.

- Evans, TP. 2009. Integration of Social and Environmental Data using Geographic Information Systems and Remote Sensing Techniques. Center for Data and Search Informatics, Indiana University. April 1.
- Evans TP. 2008. The Balance Between Urban Deforestation and Rural Reforestation in the Midwest United States. International Human Dimensions Programme: Open Meeting. 26-30, April, 2009. Bonn, Germany
- Evans TP. 2008. *Human-Environment Dynamics with Agent-Based Models of Land Cover Change*. Institute of Industrial Science, University of Tokyo, 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 (FFPRI), 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 (RIHN), Kyoto, Japan, July 17.
- Evans TP. 2008. *Framework for an Agent-Based Model of Resilience*. Research Institute for Humanity and Nature (RIHN), 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 (RIHN), 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, 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 (RIHN), 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.
- 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, NC, 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 (AAAS), Seattle, WA, February.
- 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, 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.
- 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 (UNESCO), 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, 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, Oct 4-7, 2009. Campos do Jordao, Brazil.
- 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, 2009.
- 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, 2009.
- 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, Phanvilay 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 (SAET) 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.
- 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.
- 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.
- Mussacchio L, Bryant M, Cadenasso M, Evans TP, 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 (CELA), 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.

- 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.
- 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.
- 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, June.
- 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, 1997.
- 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, Ft. 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 (CIPEC), Indiana University, Bloomington, three-week 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**

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)

### **SERVICE:**

#### **University Service Activities**

2008–present Internal Advisory Board Member, Center for Research in Environmental Sciences (CRES), Indiana University, Bloomington

2006–present Co-Director, Center for the Study of Institutions, Population, and Environmental Change (CIPEC), Indiana University

2002–present 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–present 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**

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 *Environment and Planning B* 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