

# Curriculum Vitae

## Tom P. Evans

January 2007

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### Education:

- 1998 Ph.D. University of North Carolina at Chapel Hill (Geography) Dissertation: *Integration of Community-Level Social and Environmental Data: Spatial Modeling of Community Boundaries in Northeast Thailand*. Advisor: Steve Walsh.
- 1989 Virginia Polytechnic Institute: B.A. (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–present Associate Director, Center for the Study of Institutions, Population and Environmental Change (CIPEC), Indiana University
- 1999-present Assistant Professor, Department of Geography, 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

### Selected External Funding:

- 2007-2009 National Science Foundation (Human and Social Dynamics). **Dynamics of Reforestation in Coupled Social-Ecological Systems: Modeling Land-Use Decision Making and Policy Impacts**. Principal Investigator with Co-PI's Emilio Moran (Anthropology), Burney Fischer (School of Public and Environmental Affairs), Catherine Tucker (Anthropology) and Kelly Caylor (Geography). \$749,150.
- 2002-2007 National Science Foundation Major Research Instrumentation proposal **Development of a Spatial-Experimental Laboratory for Research and Policy Analysis Related to Complex Systems**. Co-Principal Investigator with Elinor Ostrom (PI-Political Science, Indiana University), Jerome Busemeyer (Psychology, IU), Robert Huckfeldt (Political Science, IU) and James Walker (Economics, IU). \$848,000.
- 2000-2005 National Science Foundation (SES-0083511) **Biocomplexity in Linked Biocological-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 (Environmental Science, IU), Jimmy Walker (Economics, IU) and Jerry Busemeyer (Psychology, IU). \$2,749,232.

### **Selected Refereed Publications:**

- Evans, T. P., 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.
- Evans, Tom P., Darla K. Munroe, and Dawn C. Parker. 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. Emilio F. Moran and Elinor Ostrom, 187–213. Cambridge, Mass.: MIT Press.
- Evans, Tom P., Leah K. VanWey, and Emilio F. Moran. 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. Emilio F. Moran and Elinor Ostrom, 161–185. Cambridge, Mass.: MIT Press.
- Schweik, C., T. Evans and Grove, J. 2005. Open Source and Open Content: a Framework for Global Collaboration in Social-Ecological Research. *Ecology and Society* 10 (1): 33. URL: <http://www.ecologyandsociety.org/vol10/iss1/art33/>.
- Evans, T. P., 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.
- Walsh, S.J., Evans, T.P., Turner II, B.L. 2003. Population-Environment Interactions with an Emphasis on LULC Dynamics and the Role of Technology. In: *Geography and Technology*, ed. S.D. Brunn, S. Cutter, J.W. Harrington, Jr. pp. 491-520, Kluwer Academic Publishers.
- Evans, T. P., Ostrom, E., and Gibson, C. 2002. Scaling Issues with Social Data in Integrated Assessment Modeling. *Integrated Assessment*. 3 (2-3), 135-150.
- Grove, J.M., C. Schweik, T. Evans, and G. Green. 2002. Modeling Human-Environmental Dynamics. In *Geographic Information Systems and Environmental Modeling*, ed. Clarke, K. C., B.E. Parks, and M.P. Crane, pp. 160-188. Prentice-Hall.
- Hoffman, 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., Cheltenham UK/Northampton, MA, USA: Edward Elgar Publishers.
- Evans, T. P., Manire, A., De Castro, F., Brondizio, 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.

### **ABM Related Publications In Review:**

- Evans, T. P. and Kelley, H. In review. Exploring Historical Dynamics of Reforestation with an Agent-Based Model for South-Central Indiana. Submitted to *Geoforum*.
- Kelley, H. and Evans, T. P. In review. The Relative Influence of Land-owner and Landscape Heterogeneity in an Agent-Based Model of Land Use. *Journal of Economic Dynamics and Control*.