

CRISTY A. WATKINS

University of Michigan
School of Natural Resources and Environment
440 Church Street
Ann Arbor MI 48109
critkins@gmail.com
watkinse@umich.edu

EDUCATION

- Ph.D Natural Resources and Environment** 2009
Certificate in African Studies
University of Michigan, Ann Arbor, Michigan
Dissertation: *Natural Resource Use in Uganda: Attitudes, Behavior and the Links in Between*
- M.S. Anthropology** 2002
California State University, Fullerton
Thesis: *The Implications of Human Behavioral Ecology for Chimpanzee Conservation in Budongo Forest, Uganda*
- B.A. Anthropology, Nature and Culture** 2000
University of California, Davis

PROFESSIONAL RESEARCH EXPERIENCE

- Post Doctoral Researcher** 9/14-present
School of Natural Resources and Environment, Ann Arbor, MI
- With Dr. Arun Agrawal and the International Forestry Resources and Institutions (IFRI) research network.
- Post Doctoral Researcher** 9/13-3/14
School of Natural Resources and Environment, Ann Arbor, MI
- With Dr. Joan Nassauer, Collaboratively writing research paper on residential developers' perceptions of ecologically designed subdivisions
- Post Doctoral Researcher** 2/10-8/13
The Field Museum, Chicago, IL
- Lead social science post-doctoral researcher for the NSF-Coupled Nature-Human Systems granted funded project, *RESTORE (Rethinking Ecological and Social Theories of Restoration Ecology)*.
- Used semi-structured interviews, participant observation, multiple survey methods, agent-based modeling, qualitative and quantitative analyses, and an institutional analysis framework (IAD) to understand how ecological restoration decisions are made in the Chicago Wilderness region's oak woodlands.
- Supervised interns and volunteers (individuals and teams, in office and in field)

Principal investigator 1/07-8/07
Ph.D field study, Kibwona Village, Uganda

- Resided in rural village and conducted attitudinal interviews and extended household observations on (primarily women's) forest resource use.
- Led several independent research presentations and discussion forums for a community environmental group and village residents, leading to acquisition of grant monies for future environmental projects (8/08)

Graduate Student Research Assistant 2006-2008
Ruthven Museum, Herpetology Division (1/06-8/06; 9/07-12/07) and Ornithology Division (9/06-12/06), University of Michigan

- Tagged, catalogued, maintained collection specimens; updated collection catalogs.

Principal investigator 5/06-7/06
Ph.D pilot field study, Kibwona village, Uganda

- Resided within the village, with a family; collected baseline demographic and attitudinal data via semi-structured oral interviews; established report.

Principal investigator 6/02-8/02
M.A. field study in Budongo Forest, Uganda.

- Coordinated stay with Budongo Forest Project; conducted independent research with field assistant in Nyakafunjo village. Conducted oral interviews.

Participant 6/00-7/00
Ometepe Field School, Primate Behavior Course, Nicaragua.

- Conducted independent research on Howler monkey behavior and ecology.

RELEVANT PROFESSIONAL EXPERIENCE

Associate Editor 6/13-present
World Development Journal

Invited Lectures
University of Illinois, Chicago

- o Landscape, Ecological and Anthropogenic Processes, Dr. David Wise 9/15/11
- o Environmental Anthropology, Dr. Alaka Wali 4/15/11

DePaul University, Chicago

- o Urban Ecology, Dr. Liam Heneghan 6/1/12
- o Conservation Biology, Dr. Liam Heneghan 5/4/11

Graduate Student Instructor
University of Michigan

- Taught weekly discussion sections and held office hours for upper and lower-level undergraduate and graduate courses in:
 - o Archaeology Winter 2006

- Introduction to Cognitive Psychology Winter 2008
- Behavioral Ecology and Conservation Biology Fall 2008
- Culture, Environment and Adaptation Winter 2009

Project Supervisor 2007-2008

Undergraduate Research Opportunity Program, University of Michigan

- Direct mentorship with an undergraduate assisting with my dissertation data analysis.

Mentor 3/08; 6/08

Women in Science and Engineering, University of Michigan

- Middle school science fair and science camp project mentor.

Outreach and Program Coordinator 1/02- 7/04

The Children's Museum at La Habra

- Coordinated and implemented science outreach program for low-income elementary schools
Created teacher curriculum guide, conducted interactive classroom presentations, maintained correspondence with schools, and tracked science-kit rentals
- Developed and lead educational programs for the general museum public and community
- Managed \$180,000 program budget; Wrote progress reports and donation solicitation letters
- Supervised 2-3 employees and 3-6 volunteers during weekend museum hours;
- Contributions recognized through the *Innovative Award* (6/03), *Employee of the Quarter Honorable Mention* (5/03), and the *Director's Award of Outstanding Achievement* (9/02) from La Habra City

PUBLICATIONS

Zellner, M., **Watkins, C.**, Massey, D., Westphal, L.M., Brooks, J., & Ross, K. **(Accepted)** Testing a prototypical ABM on collective decision making processes in the context of ecological restoration in Chicago Wilderness. *Journal of Artificial Societies and Social Simulation*

Westphal, Lynne M.; **Watkins, Cristy**; Gobster, Paul H.; Heneghan, Liam; Ross, Kristen; Ross, Laurel; Tudor, Madeleine; Wali, Alaka; Wise, David H.; Vining, Joanne; Zellner, Moira. **(2014)** Social science methods used in the RESTORE Project. Gen. Tech. Rep. NRS-138. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northern Research Station. 116 p. Available at: http://www.fs.fed.us/nrs/pubs/gtr/gtr_nrs138.pdf

Heneghan L., C. Mulvaney, K. Ross, L. Umek., A. Wali, **C. Watkins**, L.M. Westphal, D.H. Wise. **(Accepted)** *From Wild Chicago to Chicago Wilderness: Chicago's Ecological Setting and Recent Efforts to Protect and Restore Nature in the Region*. A Global Assessment of Urbanization, Biodiversity and Ecosystem Services., Ed. M Schewenius, Springer.

Watkins, C., Massey, D., Brooks, J., Ross, K., and Zellner, M. **(2013)** Understanding the mechanisms of collective decision-making in ecological restoration: An iterative, ethnographic, agent-based approach. *Ecology and Society* 18(2): 32

Heneghan. L., Mulvaney, C., Ross, K., Umek, L., **Watkins, C.**, Westphal, L., Wise, D. **(2012)** Lessons learned from Chicago Wilderness – Implementing and Sustaining Conservation Management in an Urban Setting. *Diversity* 4(1): 74-93.

Lawrence, T. and **Watkins, C. (2011)** It takes more than a village: The challenges of co-management in Uganda's fishery and forestry sectors. *International Journal of Sustainable Development & World Ecology* 19(2): 1350-4509.

Batterman, S. Eisenberg, J., Hardin, R., Kruk, M., Lemos, M., Michalak, A., Mukherjee, B., Renne, E., Stein, H., **Watkins, C.**, Wilson, M. **(2009)** Sustainable Control of Water-Related Infectious Diseases: A Review and Proposal for Interdisciplinary Health-Based Systems Research. *Environmental Health Perspectives* 117(7): 1023-1032.

Watkins, C. (2009) Natural Resource Use Strategies in a Forest-Adjacent Ugandan Village. *Human Ecology* Volume 37(6): 723-731.

Nelson, F., Collins, E., Frechette, A., Koenig, C., Jones-Yellin, M., Morgan, B., Ramsay, G., Rao, G., Rodriguez, C., Jotte Tulu, Z., **Watkins, C.**, Zinda, J. **(2008)**. Preservation or Degradation? Communal Management and Ecological Change in a Southeast Michigan Forest Biodiversity and Conservation. *Human Ecology* 17(11): 2757-2772

Watkins, C. and Bock, J. **(2007)** Human-Chimpanzee Relationships: An Ethnoprimateological Perspective, In: Bekoff, Mark, ed. *Encyclopedia of Human-Animal Interactions*. London: Greenwood Press.

Watkins, C. (2006) Local Ecological Perceptions of Chimpanzees and Forest Resources: A Case Study Near Budongo Forest, Uganda. In: Nicholas E. Newton-Fisher, Hugh Notman, James D. Paterson and Vernon Reynolds, eds. *Primates of the Forests of Western Uganda*. London: Kluwer.

PUBLICATIONS IN PROGRESS

Watkins, C., Westphal, L.M, Paul H. Gobster, Joanne Vining, Wali A., Tudor, M. **(Revision, in review)** Shared principles of restoration practice in the Chicago Wilderness region. *Human Ecology Review*

Watkins, C. and Westphal, L.M **(in review)** Applying the ADICO syntax to qualitative data: a methodological case study. *Policy Studies Journal*

INVITED PEER REVIEWS

Journal of Forestry (10/2011, 10/2012)
Ecological Applications (1/2012)
Landscape and Urban Planning (3/2012)
Ecology and Society (7/2012)

INVITED PROFESSIONAL TALKS

Applying the Institutional Analysis and Development framework and the "ADICO" Syntax to ecological restoration in the Chicago Wilderness. Lynne Westphal, co-author. 02/13
The Vincent and Elinor Ostrom Workshop in Political Theory and Policy Analysis at

Indiana University, Bloomington

PROFESSIONAL TALKS

- Shared principles of restoration practice in the Chicago Wilderness region* 2013
Ecological Society of America, Madison, WI, 10, Oct.
- The "Rules" of Ecological Restoration: Understanding How Institutions Impact* 2012
Biodiversity through the Results of the RESTORE Project
Chicago Wilderness Congress, Chicago, IL, 15, Nov.
- Applying the IAD Framework to Ecological Restoration in the Chicago Wilderness* 2012
EcoSummit, Columbus, OH, 4, Oct
- The RESTORE Project* 2010
Chicago Wilderness Congress, Chicago, IL, 4, Nov.
- Popular Conceptions of Law: Forest Use and Management in Uganda* 2008
African Studies Association, Chicago, IL, 14, Nov.
- Natural Resource Use in Uganda: Attitudes, Behaviors, and the Links in Between* 2008
International Symposium on Society and Resource Management, Burlington, VT, 13, June.
- Natural Resource Use: Decision-Making Patterns and Behavior in Rural Uganda* 2006
(Poster) 21st Congress of the International Primatological Society, Entebbe, Uganda, 27 June
- Natural Resource Use: Decision-Making Patterns and Behavior in Rural Uganda* 2006
(Poster) The Life Course: Evolutionary and Ontogenetic Dynamics, Spring Academy,
Berlin, Germany, 13 May.
- Predicting Perception and Use of Natural Resources in Kibwona Village, Uganda* 2005
(Poster) The Life Course: Evolutionary and Ontogenetic Dynamics, Fall Academy,
Ann Arbor, MI, 13, Oct.
- Cultural Ecological Philosophies and Perceptions of the Forest as a Finite Resource:
An Evolutionary Analysis* (Poster) Southern California Primate Research Forum,
Oceanside, CA, 12, Apr. 2003
- Mother-Infant Interactions in Mantled Howling Monkeys in Nicaragua.* 2001
Southwestern Anthropological Association 72nd Annual Meeting, San Diego, CA, 12-14 Apr.
- Environmental Enrichment for Captive Ring-Tailed Lemurs.* 2000
Southwestern Anthropological Association 71st Annual Meeting, San Luis Obispo, CA, 7-9 Apr.

ACADEMIC HONORS (AWARDS)

School of Natural Resources and Environment, University of Michigan

- *Charles Lathrop Pack Foundation Prize*. Best essay on forestry-related topic. 4/06, 4/08
- *Professor Ernest A.H. Woodman Fellowship*. For demonstrating an interest and ability in administration of natural resources and showing leadership in student activities. 4/07
- *Samuel A. Graham Award*. For outstanding scholarship and superior writing capability 4/07
- *Allen Shultz Memorial Award*. Outstanding student in SNRE, in wildlife management. 4/06

ACADEMIC HONORS (GRANTS AND FELLOWSHIPS)

University of Michigan

- Center for Comparative Studies Student Research Fellowship 2/08
- Rackham Graduate School Graduate Student Research Grant 10/06
- School of Natural Resources and Environment (SNRE), Doctoral Research Grant 10/06
- Rackham/Hewlett/International Institute, Research Travel Grant 11/05
- SNRE, Conference Travel Grant 11/05
- Rackham Graduate School, Pre-dissertation Discretionary Funds Award 1/05
- SNRE, Block Need Grant 4/05
- SNRE, Doctoral Pre-candidate Research Grant 9/04

Society for the Psychological Study of Social Problems Research Grant 10/06

Max Planck Institute for Human Development: LIFE Program Fellow 9/05-9/07

American Anthropology Association, Small Grant for Community-Based Environment Program, in collaboration with an organization in Uganda 11/08

SERVICE ACTIVITIES

Habitat for Humanity 05/09- 2/10

Huron Valley Chapter, Michigan

- Volunteered for various programs, including construction, gardening, food distribution, and program assessment survey development and implementation

African Development and Human Security project (ADHS) 10/06- 4/08

University of Michigan

- Created and organized reading groups and speaker and film series on campus
- Worked with team to raise over \$10,000 for a campus-wide conference

Interdisciplinary Group on Poverty and Inequality 1/08-4/08

University of Michigan

- Organized annual conference logistics (abstracts review, panel moderation, etc)
- Contributed to ongoing campus activity creations and implementation

Roots and Shoots Program 2/01-12/01

California State University, Fullerton

- Founding student chair and president. Created and implemented environmental and community service volunteer projects. Received the Anthropology Department's *Meritorious Service Award* (2002, 2003) and the *Exceptional Leader Award* (2001).

Jane Goodall Institute's Chimpanzee program, Sacramento Zoo

7/98-5/00

- Research volunteer. Behavioral observations of captive chimpanzees.

PROFESSIONAL MEMBERSHIPS

International Association for Society and Natural Resources

2009