

REBECCA K. ZARGER

- 2016 Rebecca Zarger and Keith Prufer, Co-chairs, School for Advanced Research NSF Research Team Seminar, “Linking the Past to the Future: 2000 Years of Human Resilience and Socioecological Change in the Central American Tropics.” Held January 26-28, 2016.
- 2012-2015 Rebecca Zarger, PI, David Bruce Lewis (Co-PI, Integrative Biology), Shawn Landry (Co-PI, Florida Center for Community Research + Design), Mark Rains (Co-PI, Geology), Fenda Akiwumi (Co-PI, Geography and Environmental Science and Planning), Susan Bell (Senior Personnel, Integrative Biology). “RAPID: Assessing Vulnerabilities from Climate Change: Impacts of Water Provision, Power Relations and Perceptions of Risk on Ecohydrology in the Tampa Bay Region Socioecosystem.” National Science Foundation Dynamics of Coupled Natural and Human Systems (CNH) Program. Total Amount: \$88,766. 12/1/2012-12/1/2015. Refereed.
- 2012-2017 James Mihelcic (PI), Camille McKayle, Maya Trotz, Christian Wells Co-PIs, Senior Personnel: Rebecca Zarger, Sarina Ergas, Linda Whiteford, Daniel Yeh, Qiong Zhang, Frank Muller-Karger, Yogi Gaswami, Delcie Durham, Allan Feldman, Bernard Batson. “Partnerships for International Research and Education (PIRE): Context Sensitive Implementation of Synergistic Water-Energy Systems.” National Science Foundation. \$3.9 million
- 2013-2014 Rebecca Zarger (PI), Kristina Baines (Co-PI). “Maya Cultural Heritage Exchange in Southern Belize.” Bi-directional Knowledge Exchange Between Maya Archaeologists & Communities from the InHerit Foundation. \$7500.
- 2011-2012 Rebecca Zarger, PI and Kristina Baines, Co-PI (Doctoral Advisee). “*Sharing and Sustaining Maya Environmental Heritage in Southern Belize.*” Proposal to the Anthropology and Environment Section of the American Anthropological Association Small Grants for Collaborative Problem Solving. Partners: Toledo Environmental and Cultural Heritage Alliance (TEACHA), Tumul K’in Center of Learning, Blue Creek, Toledo District, Belize, Uxb’enka K’in Ajaw Association (UKAA), Santa Cruz, Toledo District, Belize. Total Amount: \$1,500.
- 2010-2013 David Bruce Lewis (PI), Rebecca Zarger (Co-PI), Tom Crisman (Co-PI), Mark Rains (Co-PI), Fenda Akiwumi (Co-PI): “*ULTRA-Ex: Urban Development, Power Relations, and Water Redistribution as Drivers of Wetland Change in the Tampa Bay Region Ecosystem.*” National Science Foundation Urban Long-Term Research Area (ULTRA) Exploratory Awards. Total Amount: \$289,352.
- 2008-2013 Douglas Kennett (PI), Rebecca Zarger, (Co-PI), Keith Prufer (Co-PI), Bruce Winterhalder (Co-PI) and Kevin Cannariato (Co-PI): “*Development and resilience of complex socioeconomic systems: A theoretical model and case study from the Maya Lowlands.*” National Science Foundation, Human Social Dynamics Program Collaborative Grant (Oregon, USF, UNM, UC-Davis, USC). Purpose: An interdisciplinary project involving archaeologists, cultural anthropologists, and climate scientists to study the relationships between cultural landscapes, climate change, and the resilience of complex sociopolitical systems in

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- systems: A theoretical model and case study from the Maya Lowlands.*” National Science Foundation, Human Social Dynamics Program Collaborative Grant. Purpose: Ethnographic research on historical ecology and current dynamics of environmental change in Maya communities of southern Belize; education initiatives for collaborative grant. Training: Funds for undergraduate project assistant and doctoral assistantship including dissertation field research. Refereed. Total Amount: \$62,086.
- 2007-2008 PI: Laurel Graham (Sociology), Co-PIs: Rebecca Zarger, Elaine Howes (Secondary Educ./Science Educ.), and Jennifer Friedman (Sociology). *“Promoting Nutrition and Environmental Stewardship through School Gardening in Tampa Bay”* USF Collaborative for Children and Families’ Faculty Grants for Community Engagement 2007-2008. Purpose: to study the pedagogy of school gardening and funding a two-workshop series with 40 Tampa Bay area elementary and middle school teachers on incorporating gardening into environmental and social science curricula in their schools. Training: Includes small stipend for Undergraduate Honors in Anthropology student assisting with workshop planning in addition to thesis research with the project. Refereed. Total amount funded: \$14,930.
- 2007 Rebecca Zarger PI, *“Representing the past, negotiating the present: Maya cultural and environmental heritage in southern Belize.”* USF Humanities Institute Summer Grant. Purpose: Ethnographic research on how cultural and environmental heritage is negotiated in Maya communities with archaeological sites. Refereed. Total amount funded: \$3500.
- 2007 Rebecca Zarger PI, *“Representing the past, negotiating the present: Maya cultural and environmental heritage in southern Belize.”* USF College of Arts and Sciences International Travel Grant. Purpose: Ethnographic research on how cultural and environmental heritage is negotiated in Maya communities with archaeological sites. Refereed. Total amount funded: \$1500
- 2005-2008 Michael McClain, PI, Rebecca Zarger Senior Personnel. *“Gender and Integrated Water Resource Management in the Mara Basin, Kenya and Tanzania”*, a component of Global Water Management and Sustainability (GLOWS), three year collaboration between USAID, the World Wildlife Fund, and FIU Department of Environmental Studies
- 2004 Rebecca Zarger PI *“Adapting to Changing Landscapes and Political Economies after Hurricane Iris in Southern Belize”*, Florida International University College of Arts and Sciences Research Award. Total amount funded: \$5,000.
- 2001-2002 Rebecca Zarger PI *“Acquisition and Transmission of Environmental Knowledge by Q’eqchi’ Maya in Southern Belize”*, Spencer Foundation Dissertation Fellowship for Research Related to Education. Total amount funded: \$20,000.
- 2001-

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PUBLICATIONS

- 2002 Stepp, J. R., F. S. Wyndham, and R. K. Zarger, Eds. *Ethnobiology and Biocultural Diversity*. 720 pp. Athens: University of Georgia Press.
- In Prep. *Landscapes of Childhood: Growing Up Maya in Southern Belize*. Monograph based over a decade of research with Q'eqchi' and Mopan Maya children and families on environmental knowledge and practice in Toledo District, Belize. Invited submission to University of Rutgers Press, Series in Childhood Studies.
- In Prep. *Environmental Anthropology: an Introduction*. Under contract with Routledge.
- 2019 E.C. Wells, A. Webb*, C. Prouty*, R.K. Zarger, L.M. Whiteford, M. A. Trotz, J.M. Mihelcic. "Wastewater Technopolitics on the South Coast of Belize." *Economic Anthropology*. Early view January 31, 2019: <https://doi.org/10.1002/sea2.12145>.
- 2017 C. Prouty*

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- 2012 Baines, Kristina and R. K. Zarger. "Circles of Value: Integrating Maya Environmental Knowledge Into Belizean Schools," In Helen Kopnina, Ed., *Anthropology of Environmental Education*. Pp65-86. Nova Science Publishers.
- 2011 Zarger, Rebecca K. "Learning Ethnobiology: Creating Knowledge, Skills and Practice about the Living World," In *Ethnobiology*, Edited by Eugene Anderson, Eugene Hunn, Deborah Pearsall, and Nancy Turner. Wiley and Sons Publishers.
- 2010 Zarger, Rebecca K. "Learning the Environment," In *The*

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Field Season. Report submitted to the National Institute of Culture and History,
Institute for Social and Cultural Research, Government of Belize.

2016 Rebecca Zarger, Laurel Graham, Lena Young, Kitty Wallace, Patrick Sneed, Jennifer
Friedman, "AETNA GoLocal Grant Activities Final Research Report: Tampa

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- 2018 Rebecca Zarger, E. Christian Wells, Ann Vitous, Eric Koenig, Christine Prouty, Paola Gonzalez, Maya Trotz “Avoiding Dispossession at Home: Scale of Tourism Development, Environment, and Changing Livelihoods on the Placencia Peninsula” First Belize National Research Conference, University of Belize, Belmopan, Belize. March 2018.
- 2018 R. Zarger, “Where Saltwater Meets Freshwater: Climate Change and the Politics of Water in Tampa Bay, Florida”. Paper presented at the Society for Applied Anthropology Annual meetings, Philadelphia, PA, April 2018.
- 2018 R. Zarger, “Learning through doing: service learning, food systems, and social justice,” Presentation for the session, “Environmental Literacy across the Curriculum: Challenges and Opportunities in Higher Education,” at the Southeastern Environmental Education Association conference, March 17-

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- 2016 Eric S. Koenig, Christine Prouty, E. Christian Wells, Rebecca K. Zarger, Qiong Zhang. "Modeling Stakeholder Involvement for Centralized Wastewater Treatment Projects." For the session, "Engineering" a New Anthropology: Interdisciplinary Approaches to Water-Energy Challenges. Interdisciplinary Insights from the Placencia Peninsula, Belize." Society for Applied Anthropology Annual Meetings, Vancouver, Canada 16-18 October 2016.

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- 2015 R.K. Zarger, "Where are the kids?: Placing children in a political ecology of education." Paper presented at the Dimensions of Political Ecology conference, University of Kentucky, Lexington, KY. February 26-27, 2015.
- 2015 C. Bender, E. S. Koenig, R. K. Zarger, E. C. Wells, and L. M. Whiteford. Scale Challenges of Water and Energy in Belize and the U.S. Virgin Islands. Paper presented at the 24th Annual Caribbean Water and Wastewater Association Conference and Exhibition, Miami, Florida.
- 2014 D. G. Casagrande, R. K. Zarger, F. Wyndham, E. C. Jones and R. Stepp, "Ecomyopia in the Anthropocene." Paper presented at the Annual Meetings of the American Anthropological Association in the session, Producing Anthropologies in/of the Anthropocene. Washington, D.C., December 6, 2014.
- 2014 E. C. Wells, R. K. Zarger, L. M. Whiteford, E. S. Koenig, and S. M. Pratt. "Technology and Tourism on the Placencia Peninsula" 04M-3 (4) -4cenp -4cen) -1 () 4 (o) -1 (r) 2 (i) 3 (n) -4 (n) -1 (

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- 2010 R. K. Zarger, Panelist, "Saving the Lore 2.0" Discussion on Heritage Preservation in Global Context, organized by Alicia Ebbitt McGill. Annual Meetings of the American Anthropological Association, New Orleans, LA.

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- 2007 R. K. Zarger. "Building Slingshots and Finding Edible Glue: A field guide to peer learning during childhood in Southern Belize." Paper presented at the Society for Cross-Cultural Research, Feb. 2007, San Antonio, Texas. (Invited)
- 2006 Keith Prufer and R. K. Zarger, "Collaborating with communities to represent the past and create futures: cultural and environmental heritage in archaeological site development." Paper presented at the American Anthropological Association Annual Meetings, San Jose, CA, November, 2006.
- 2006 R. K. Zarger. "'After Iris, Everything Gone': resilience and change in coping with a natural disaster." Presented as part of the session, "Understanding ecology: how people cope with changing ecosystems." Paper presented at the Society for Applied Anthropology Annual Meetings, March 28-April 2, Vancouver, British Columbia, Canada.
- 2005 R. K. Zarger. "The State of our Land: Maya Rights and Conservation Institutions in Belize." Presented as part of an Invited Session, "States of Nature: Inside and outside environmental institutions." Paper presented at the Annual Meetings of the American Anthropological Association, Nov. 30- Dec. 4, Washington, D.C.
- 2005 R. K. Zarger. "Eco-cultural Tourism and Land Use Conflicts in the 'Mundo Maya' of Southern Belize." Paper presented at the Society for Applied Anthropology Annual Meetings, April 5-10, Santa Fe, New Mexico.
- 2004 R. K. Zarger. "Linking Information and Behavior in Human Ecosystems." Paper presented at the Ecological Society of America Annual Meetings, August 2004, Portland, Oregon.
- 2004 R. K. Zarger. "Methods for Understanding Cultural Transmission of Ecological Knowledge." Paper presented at the 9th

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- 2001 R. K. Zarger. Bio-cultural Diversity Conservation and Education Initiatives in Southern Belize." Paper presented at the Annual Meeting of the Society for Applied Anthropology, March 28-April 1, Mérida, Mexico.
- 2000 R. K. Zarger. Acquisition and Transmission of Environmental Knowledge in Southern Belize." Paper presented at the Annual Meetings of the American Anthropological Association, November 15-19, San Francisco, California.
- 2000 R. K. Zarger. Acquisition and Transmission of Subsistence Knowledge by K'ekchi Maya in Belize." Paper presented at the 7th Congress of the International Society of Ethnobiology, October 23-27, Athens, Georgia.
- 2000 R. K. Zarger and J. R. Stepp. "Persistence of Botanical Knowledge among Tzeltal Maya Children." Paper presented at the 7th International Congress of the International Society of Ethnobiology, October 23-27, Athens, Georgia.
- 1999 R. K. Zarger. Combining Applied and Academic Approaches in Environmental Anthropology: Future Trajectories." Presented at the Annual Meetings of the Society for Applied Anthropology, March 21-26, San Francisco, CA.
- 1999 R. K. Zarger. In Situ: Learning and Teaching Ethnoecological Knowledge." Paper presented at the Annual Meetings of the American Anthropological Association, November 17-21, Chicago, Illinois.
- 1998 R. K. Zarger, J. R. Stepp, Cheryl Mihalko. "Development of a Latin American Ethnobotanical Garden." Poster presented at the Annual Conference of the Society of Ethnobiology, Oaxaca, Mexico, March 10-13.
- 1998 R. K. Zarger. Graphic Representations and the Role of Information in Human Ecosystems." Paper presented at the Annual Meetings of the American Anthropological Association, Philadelphia, Pennsylvania, Dec.2-6.
- 1998 R. K. Zarger. The Intergenerational Sharing of Ecological Information: Implications for Community-Based Conservation." Paper presented at the Annual Meetings of the Society for Applied Anthropology, San Juan, Puerto Rico, April 21-25.
- 1997 R. K. Zarger. Models of Indigenous Knowledge of Natural Resource Management and the Role of Cultural Expression in their Transmission: The Kuna and the Conservation of Kuna Yala." Paper presented at the Annual Meetings of the American Anthropological Association, Washington D.C., November 19-23.

CONFERENCES, WORKSHOPS AND COLLOQUIA ORGANIZED

- 2018 Lucero Radonic and Rebecca Zarger, Co-Organizers, "Urban Waters: Everyday encounters with a changing climate." Session for the Society for Applied Anthropology Annual Meetings, Philadelphia, PA. April 2018.
- 2015 R.K. Zarger, Chair, Rappaport Student Prize Panel, Anthropology and Environment Society, session presented at the Annual Meetings of the American Anthropological Association, Denver, Colorado.
- 2006 Cristina Espinosa and R. K. Zarger, Co-Organizers and Co-

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Ethnicity, and Participation: Natural resources and 'rural' livelihoods in the South."
Panel organized for Society for Applied Anthropology Annual Meetings, March, 2006,
Tampa, Florida.

2005 Cynthia Fowler, Susan Charnley, R. K. Zarger and J. R. Stepp. Co-Chair, The Role of

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- Scientifico for the World Expo 2015. Sustainable Food for Generations to Come,” coinciding with the Milan World Expo 2015, which is organized around the theme, “Feeding the Planet, Energy for Life,” (consortium formed in January 2015 through a signed MOU between USF, Appalachian State U., FIU, UNC-Chapel Hill, and the Comitato Scientifico Expo 2015).
- 2014 Rebecca Zarger, Gina Larsen*, Alexis Winter*, Shawn Landry, David Lewis, Mark Rains. “Seeing Beyond Sea Level Rise: Visualizing Local Climate Change in Tampa Bay.” Invited Presentation, Florida Water and Climate Alliance, November 5, 2014. Tampa Bay Water, Clearwater, Florida.
- 2014 Rebecca Zarger, Gina Larsen*, Alexis Winter*, Shawn Landry, David Lewis, Mark Rains. “Seeing Beyond Sea Level Rise: Visualizing Local Climate Change in Tampa Bay.” Dept. of Earth and Environment, FIU, Seminar Series, January 29, 2014.
- 2014 Rebecca Zarger, “Good Dirt: Children and Youth Perspectives on Community and School Gardening.” January 29, 2014. FIU Center for Humanities in an Urban Environment, “Food for Thought” Speaker Series 2013-2014. Available online at center website.
- 2014 E. C. Wells, R. K. Zarger, and L. M. Whiteford. Tourism and Water: An Evaluation of Perceptions and Practices of Sustainable Wastewater Management on the Placencia Peninsula, Belize. Paper presented at the 4th Annual Water Institute Symposium, University of Florida, Gainesville, FL.
- 2012 R.K. Zarger, D. Lewis, G. Larsen,* F. Akiwumi, C. Adjei, S. Landry. “Urban Long-

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- 2009 R. K. Zarger, Ryan Davis, Tamara Looney, Mabel Sabogal. "Creating Communities, Cultivating Gardens: Urban and Community Gardening in Tampa Bay." Panel presentation at the Campus and Community Sustainability Conference, University of South Florida, Tampa Florida, October 2009.
- 2009 R. K. Zarger, Ryan Davis, Lauren Harris, José Hasemann, Nolan Kline, Tamara Looney, Mabel Sabogal, Peter Watson, and Robert Brinkmann. "Creating Communities, Cultivating Gardens: Urban and Community Gardening in Tampa Bay." Invited presentation as part of session "How does your garden grow: Risks and rewards of Community Gardens," Florida Brownfields Conference 2009, Tampa, Florida, November 2, 2009.
- 2009 "Drying Up, Scaling Up: Local action to confront water scarcity in East Africa and Tampa Bay," A Sustainability Panel Discussion, Earth Day, sponsored by the Anthropology Club, Academic Initiatives, and the Student Environmental Association, USF.
- 2009 "Understanding Human Dynamics of Water Resource Management: the Mara River Basin." Invited lecture, Colloquium Series, Department of Environmental Science, Policy, and Geography, University of South Florida- St. Petersburg. February 10, 2009.
- 2008 "Understanding Human Dynamics of Water Resource Management in the Mara Basin," Invited lecture for the Environmental Research Interdisciplinary Colloquium (ERIC) seminar series, USF.
- 2008 "Global Water Scarcity and Local Conservation." Part of three-part lecture series sponsored by the Patel Center for Global Solutions, USF, Global Citizenship Workshop for area high school teachers.
- 2008 "Water Resource Management and Qualitative Research with Communities." Invited talk to University of South Florida chapter of Engineers Without Borders, April 3, 2008.
- 2007 "Learning Environmental Knowledge During Childhood" Florida Gulf Coast

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2003 “Learning to Work: Cultural Transmission of Ethnoecological Knowledge”,
Department of Environmental Studies and Department of Women’s Studies, Florida

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2009-2013 Ginger Johnson (Ph.D. Dissertation Director, Anthropology)
2006-2012 Cynthia Grace (

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2008-2012	Marc Hebert (Ph.D. Committee, Anthropology)
2009-2012	Racine Brown (Ph.D. Committee, Anthropology)
2009-2011	Cecilia Vindrola Padros (Ph.D. Committee, Anthropology)
2008-2011	Heather Wright-Wendel (Ph.D. Committee, Engineering)
2010-2011	Bryan Nichols (Ph.D. Committee, Science Education)
2008-2011	Leslie North (Ph.D. Committee, Geography)
2009-2010	Jennifer Pedraza (M.A. Committee, Anthropology)
2009-2010	Ryan Davis (M.A./M.P.H. Committee, Anthropology and Public Health)
2008-2009	Zaida Darley (M.A. Committee, Anthropology)
2008-2009	Branimir Cvetkovic (M.A. Committee, Sociology)
2008-2009	Cecilia Vindrola Padros (M.A. Committee, Anthropology)
2006-2008	Shoshaunna Parks (Ph.D. Committee, Archaeology, Boston University)
2006-2007	Jennifer Hunsecker (M.A. Committee, Anthropology)
2004-2006	Nicole Katin (M.Sc. Thesis Director, Environmental Studies)
2004-2005	Christine Beitel (M.A. Committee, Latin American Studies)
2003-2005	Jennifer Loder, (M.Sc. Committee, Environmental Studies)
2003-2006	Kathy Stone (M.Sc. Committee, Environmental Studies)

UNDERGRADUATE HONORS THESES

USF

2014-2015	Chavely Garcia, Department of Anthropology Honors Thesis
2013-2014	Amanda Van Meel, Honors College Thesis
2013-2014	Lauren Gosik, Department of Anthropology Honors Thesis
2009	Christina Reichert, Honors College Thesis
2008	

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Environmental Anthropology Topical Interest Group
Graduate student representative 1999-2000

International Society of Ethnobiology Member 2000-present
Program Organizer, VII International Congress of Ethnobiology, Athens, Georgia 2000

Society of Ethnobiology Member 2000-present
Elected to Board of Directors 2007-2010
Nominating Committee 2008

American Educational Research Association 2002-2003

Anthropology Graduate Student Organization University of Georgia
President 1997-1999
Student-Faculty Representative 1997-1998

secondary schools in Toledo Dist