

ANGÉLICA M. ALMEYDA ZAMBRANO
Spatial Ecology and Conservation (SPEC) Lab
Department of Geography, University of Alabama
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EDUCATION

- 2012 Doctoral Fellow, Sustainability Science Program, Kennedy School of Government, Harvard University, Cambridge, Massachusetts, USA. Advisors: Dr. William C. Clark and Dr. Theodore C. Bestor.
- 2012 Ph.D. Anthropology, concentration in Ecology and Environment, Stanford University, Stanford, California, USA. Dissertation: *The Political Ecology of Land Conversion in the Tri-National Frontier of Southwest Amazonia*. Advisor: Dr. William H. Durham
- 2004 M.A. Latin American Studies, concentration on Tropical Conservation and Development University of Florida, Gainesville, Florida, USA. Thesis: *Land use and land cover in Iñapari, Peru and Assis Brasil, Brazil, Southwest Amazonia*. Advisor: Dr. Marianne Schmink
- 1999 B.S. Forest Sciences, concentration in Forest Management. Universidad Nacional Agraria La Molina (UNALM), La Molina, Lima, Peru. Thesis: *Composición y Diversidad Arbórea del Bosque Secundario Tardío Posterior a Cafetal en el Fundo “La Génova”, Junín, Perú*. Advisor: Dr. Carlos Reynel

RESEARCH INTERESTS

Human Geography, Ecological Anthropology, Human Ecology, Political Ecology, Sustainability Science, Tropical Conservation and Development, Land Use and Land Cover Change, Environmental Change and Water Quality, Remote Sensing, Forest Ecology.

POSITIONS

- 2016 Fall Assistant Professor, Department of Tourism, Recreation, and Sport Management, University of Florida
- 2014 - 2016 Adjunct Faculty, Department of Geography, University of Alabama
- 2014 - Co-Director, Spatial Ecology and Conservation (SPEC) Lab, Department of Geography, University of Alabama
- 2014 - Faculty Affiliate, Center for Freshwater Studies, University of Alabama
- 2014 - Research Associate, Costa Rica Osa-Golfito Initiative, Stanford Woods Institute for the Environment, Stanford University
- 2013 Postdoctoral Fellow, Costa Rica Osa-Golfito Initiative, Stanford Woods Institute for the Environment, Stanford University
- 2012 - 2013 Postdoctoral Fellow, Smithsonian Conservation Biology Institute, Smithsonian Institution
- 2011 – 2012 Doctoral Fellow, Sustainability Science Program, Kennedy School of Government, Harvard University
- 2006 - Partner, Poverty and Environment Network, Center for International Forestry Research
- 2005 - 2011 Graduate Student Researcher, Asner Lab, Department of Global Ecology at Stanford University, Carnegie Institution for Science

- 2000 - 2002 Research Assistant, Amazon Community-based resources management Research Initiative, Instituto del Bien Común (IBC), Lima, Peru
- 1999 - 2000 Intern for Pre-Project ITTO – INRENA - CI-Peru: Initiative for the elaboration of a Conservation Project in Cordillera del Cóndor. PPD 7/99 Rev.1 (F), Conservation International Peru (CI-Peru), Lima, Peru
- 2000 Consultant Researcher, CI-Peru: Initiative for the elaboration of a Conservation Project in Cordillera del Cóndor. PPD 7/99 Rev.1 (F). Conservation International Peru (CI-Peru), Lima, Peru
- 1997 Intern research assistant, Municipal Ecological Park "Kurt Beer" Piura, Peru

FORTHCOMING

Chazdon Robin L., Eben N. Broadbent, Danaë M.A. Rozendaal, Frans Bongers, **Angélica M. Almeyda Zambrano**, et al. *In Press*. Carbon mitigation potential of Neotropical forest. *Science Advances*

PUBLISHED JOURNAL ARTICLES

- Poorter, Lourens, Frans Bongers, Mitch Aide, Angélica M. **Almeyda Zambrano**, et al. 2016. Biomass resilience of Neotropical secondary forests. *Nature*
- Anderson-Teixeira, Krista, Stuart J. Davies, Amy C. Bennett, Erika B. Gonzalez-Akre, Helene C. Muller-Landau, S. Joseph Wright, Kamariah Abu Salim, **Angélica M. Almeyda Zambrano**, et al. 2014. CTFS-ForestGEO: A worldwide network monitoring forest in an era of global change. *Global Change Biology* 21(2): 528-549
- Chavez, Andrea B., Eben N. Broadbent, and **Angélica M. Almeyda Zambrano**. 2014. Smallholder policy adoption and land cover change in the Southeastern Peruvian Amazon: A Twenty-year perspective. *Applied Geography* 53:223-233
- Broadbent, Eben N., **Angélica M. Almeyda Zambrano**, Gregory P. Asner, Christopher B. Field, Brad B. Rosenheim, Ty Kennedy-Bowdoin, Dave Knapp, David Burke, Christian Giardina, Susan Cordell. 2014. Linking rainforest microclimate and ecophysiology through fusion of airborne waveform LiDAR and hyperspectral imagery. *Ecosphere* 5(5):1-37
- Duchelle, Amy E., **Angélica M. Almeyda Zambrano**, Sven Wunder, Jan Börner, Karen A. Kainer. 2014. Smallholder Specialization Strategies along the Forest Transition Curve in Southwest Amazonia: the role of Brazil Nut. *World Development* 64:149-158
- Broadbent, Eben N., **Angélica M. Almeyda Zambrano**, Gregory P. Asner, Marlene Soriano, Harrison Ramos de Souza H, Christopher B. Field, Marielos Peña-Claros, R Adams, Larry Giles. 2014. Integrating stand and soil properties to understand foliar nutrient dynamics during forest succession following slash-and-burn agriculture in the Bolivian Amazon. *PLOS ONE* 9:e860 42:1-23
- Broadbent, Eben N., **Angélica M. Almeyda Zambrano**, Rodolfo Dirzo, William H. Durham, Laura Driscoll, Patrick Gallagher, Rosalyn Salters, Jared Schultz, Angélica Colmenares and Shannon Randolph. 2012. The effect of land use change and ecotourism on biodiversity: a study of Manuel Antonio, Costa Rica, from 1985-2008. *Landscape Ecology* 27:731-744.
- Almeyda Zambrano, Angélica M.**, Eben N. Broadbent, Marianne Schmink, Stephen G. Perz, and Gregory P. Asner. 2010. Deforestation drivers in Southwest Amazonia: comparing smallholder farmers in Iñapari, Peru, and Assis Brasil, Brazil. *Conservation and Society* 8(3): 157-170
- Almeyda Zambrano, Angélica M.**, Eben N. Broadbent, and William H. Durham. 2010. Social and environmental effects of ecotourism in the Osa Peninsula of Costa Rica: the Lapa Rios case. *Journal of Ecotourism* 9(1):62-83

- Almeyda Zambrano, Angélica M.**, Eben N. Broadbent, Miriam S. Wyman, and William H. Durham. 2010. Ecotourism Impacts in the Nicoya Peninsula, Cost Rica. *International Journal of Tourism Research* 12:803-819
- Oliveira, Paulo J. C., Gregory P. Asner, David E. Knapp, **Angélica M. Almeyda**, Ricardo Galván-Gildemeister, Sam Keene, Rebecca F. Raybin, and Richard C. Smith. 2007. Land-use allocation protects the Peruvian Amazon. *Science* 317(5842):1233-6
- Smith, Richard C., Danny Pinedo, Percy M. Summers, and **Angélica M. Almeyda**. 2001. Tropical Rhythms and Collective Action: community-based fisheries management in the face of Amazonian unpredictability. *IDS Bulletin* 32(4):36-46

PUBLISHED BOOK CHAPTERS

- Perz, Stephen G., and **Angélica M. Almeyda Zambrano**. 2010. A Tri-Partite framework of forest dynamics: hierarchy, panarchy and heterarchy in the study of secondary growth. In *Reforesting landscapes, linking pattern and process*, Harini Nagendra and Jane Southworth, 10:59-84. Landscape Series. New York: Springer
- Almeyda Zambrano, Angélica M.** 2004. Diversidad y composición de la flora arbórea en un área de bosque secundario tardío: Fundo Genova-UNALM, Valle de Chanchamayo, 1000-1500 msnm. In *Relictos de Bosques de excepcional diversidad en los Andes centrales del Perú*, Dante Antón and Carlos Reynel, 263-301. Lima: Herbario de la Facultad de Ciencias Forestales UNALM
- Pinedo, Danny, Percy M. Summers, Richard C. Smith, and **Angélica M. Almeyda Zambrano**. 2002. Manejo comunitario de recursos naturales como un proceso no-lineal: un estudio de caso de la llanura de inundación de la Amazonía peruana. In *El cuidado de los bienes comunes: gobierno y manejo de los lagos y bosques en la Amazonía*, Richard C. Smith and Danny Pinedo, 280-327. Lima: Instituto de Estudios Peruanos & Instituto del Bien Común
- Smith, Richard C., Danny Pinedo, Percy M. Summers, and **Angélica M. Almeyda Zambrano**. 2002. Ritmos tropicales y acción colectiva: manejo comunitario de pesquerías frente a la impredecibilidad de la Amazonía. In *El cuidado de los bienes comunes: gobierno y manejo de los lagos y bosques en la Amazonía*, Richard C. Smith and Danny Pinedo, 328-351. Lima: Instituto de Estudios Peruanos & Instituto del Bien Común

JOURNAL ARTICLES UNDER REVIEW

- Thompson, Johnathan R, Kathy Fallon Lambert, David Foster, Eben North Broadbent, Meghan Blumstein, **Angélica M. Almeyda Zambrano**, et al. *In Rev.* Four land-use scenarios and their consequences for forest ecosystems and services in Massachusetts, USA. *Ecosphere*

JOURNAL ARTICLES IN PROGRESS

- Almeyda Zambrano, Angélica M.**, Eben N. Broadbent, Gregory P. Asner, David E. Knapp, Amy E. Duchelle, Sven Wunder, and William H. Durham. *In Prep.* Transportation, markets, and tropical deforestation in the frontier. *PNAS Plus*
- Almeyda Zambrano, Angélica M.**, Eben N. Broadbent, Amy E. Duchelle, Gregory P. Asner, David E. Knapp, Sven Wunder, and William H. Durham. *In prep.* Household land cover and land use in a dynamic frontier: integrating landscape and landholding scales.
- Almeyda Zambrano, Angélica M.**, Eben N. Broadbent, Amy E. Duchelle, Gregory P. Asner, David E. Knapp, Sven Wunder, Ronnie Babigumira, and William H. Durham. *In prep.* Livelihood trajectories and deforestation among smallholders in Southwest Amazonia

- Almeyda Zambrano, Angélica M.**, Eben N. Broadbent, Amy E. Duchelle Gregory P. Asner, David E. Knapp, Sven Wunder and William H. Durham. *In prep.* Human-environment interactions: market connectivity and forest fragmentation
- Broadbent, Eben N., **Angélica M. Almeyda Zambrano**, Gregory P. Asner, and Mario Sereceda. *In prep.* Social and edaphic factors influencing slash and burn agricultural decisions in the Peruvian Amazon.
- Dirzo, Rodolfo D., Eben N Broadbent, **Angélica M. Almeyda Zambrano**, et al. *In prep.* Floral and faunal biodiversity in African Oil Palm Plantations (*Elais guineensis*) in the Osa-Golfito Region, Costa Rica
- Broadbent Eben N, **Angélica M. Almeyda Zambrano**, Rodolfo D Dirzo, Lucia Morales Barquero, Sandra L Almeyda Zambrano, Carlos A Quispe Gil. *In prep.* Conservation priorities and threats to the Osa Peninsula and Golfito region of Costa Rica: integrating participatory mapping, surveys and spatial analysis
- Broadbent Eben N, **Angélica M. Almeyda Zambrano**, Rodolfo D Dirzo, Sandra L Almeyda Zambrano, Carlos A Quispe Gil, Lucia Morales Barquero, M Villalobos, C Hunt, C Menke. *In prep.* INOGO Mapas 2012: a high resolution map of land cover in the Osa Peninsula and Golfito region of Costa Rica. Affiliated with the Spatial Ecology and Conservation (SPEC) Lab, the NGO Osa Conservation, and the Stanford Woods Institute for the Environment
- Broadbent Eben N, **Angélica M. Almeyda Zambrano**, T Forrester, JC Cruz Díaz, Carlos A Quispe Gil , Sandra L. Almeyda Zambrano. (Data analysis) Monitoring biodiversity of the Osa and Golfito region through citizen scientist based camera trapping: a case study at the Lapa Rios nature reserve. Affiliated with the Spatial Ecology and Conservation (SPEC) Lab, the NGO Osa Conservation, and the Smithsonian Conservation Biology Institution
- Almeyda Zambrano AM**, Broadbent Eben N, Carlos A Quispe Gil, Sandra L Almeyda Zambrano, M Villalobos. (Data collection) Effects of watershed land use and land cover on water quality in the Osa and Golfito regions of Costa Rica. Affiliated with the Spatial Ecology and Conservation (SPEC) Lab and the NGO Osa Conservation

OTHER PUBLICATIONS

- Broadbent Eben N, **Angélica M. Almeyda Zambrano**. 2014. CTFS-ForestGEO: A worldwide network monitoring forests in an era of global change – R Scripts for spatial analyses. <http://dx.doi.org/10.7910/DVN/26155> Harvard Dataverse Network
- Thompson Jonathan R, David Foster, Kathy Fallon Lambert, Meghan Blumstein, Eben North Broadbent, **Angélica M. Almeyda Zambrano**. 2014. *Changes to the Land: Four Scenarios for the Future of the Massachusetts Landscape*. Harvard Forest, Harvard University. 32 Pg.
- Dirzo Rodolfo, Eben N Broadbent, **Angélica M. Almeyda Zambrano** Lucia Morales Barquero, Sandra L. Almeyda Zambrano, Carlos Alberto Quipe Gil. 2014. *Ecosistemas terrestres de la región de Osa y Golfito*, Costa Rica. Iniciativa Osa y Golfito, Stanford Woods Institute for the Environment. 294 Pg.
- Dirzo Rodolfo, Eben N Broadbent, **Angélica M. Almeyda Zambrano** Lucia Morales Barquero, Sandra L. Almeyda Zambrano, Carlos Alberto Quipe Gil. 2014. *Especies indicadoras del estado de conservación de Osa y Golfito*, Costa Rica. Iniciativa Osa y Golfito, Stanford Woods Institute for the Environment. 204 Pg.
- Almeyda Zambrano, Angélica M.** and Eben N. Broadbent. Abstract: “The Political ecology of smallholder–environment interactions in the Amazon: changing dynamics with infrastructure development.” International Forestry Review ‘*Forests for the Future: Sustaining Society and the Environment. XXIII IUFRO World Congress, 23-28th August 2010, Seoul, South Korea*’ (editors: John A. Parrotta and Mary A. Carr). Vol. 12(5):418

GRANTS AND FELLOWSHIPS

- In Prep* Infrastructure development impacts on human-environmental interactions on the tri-national frontier Peru, Brazil, Bolivia. NSF Dynamics of Coupled Natural and Human Systems. PI ~ \$ 500,000
- In Prep* Infrastructure development and spatiotemporal forest use dynamics in the Peruvian Amazon. NSF Geography and Spatial Sciences. PI ~ \$ 200,000
- In Prep* Citizen spatial science to monitor social and ecological health in the Terraba-Sierpe National Wetlands of Costa Rica. Private donor. Co-PI ~ \$ 40,000
- Submitted* Integrating Multi-Platform/Multi-Sensor Remote Sensing and Biogeochemical Characterizations to Determine Quantity, Sources and Quality of Inorganic and Organic Nutrients Exported from Agricultural Watersheds. USGS-NIWR. Co-PI \$ 501,062
- Submitted* River response and management after the historic tornado outbreak of 2011. NSF Dynamics of Coupled Natural and Human Systems. Co-PI \$ 499,024
- 2016 Integrating remote sensing and biogeochemical characterizations at high resolutions to determine source and amount of inorganic and organic nutrients exported from agricultural watersheds. Alabama Water Resources Research Institute. Co-PI \$ 22,000
- 2015 Developing high resolution maps of the Osa and Golfito region in Costa Rica using RapidEye satellite imagery and segmentation approaches. Osa and Golfito Initiative (INOGO), Stanford Woods Institute for the Environment. Co-PI \$ 17,000
- 2014 Establishment of a long-term ecosystem plot and remote sensing based monitoring network to understand and mitigate the impacts of invasive species and climate change at the University of Alabama's Tanglewood Biological Station natural area. College Academy for Research, Scholarship and Creative Activity, Univ. of Alabama. Co-PI \$ 4,350
- 2014 High-resolution remote sensing of land use and land cover in the Humedal Nacional Terraba-Sierpe of Costa Rica. Osa Conservation. Co-PI \$ 5,000
- 2011 Sustainability Science Program, Doctoral Fellowship, Harvard Kennedy School, Harvard Univ.
- 2008 Center for Latin American Studies Research Funds, Stanford Univ. \$ 5,000
- 2008 Dissertation Research Opportunity Funds, Vice-Provost for Graduate Education, Stanford Univ. \$ 5,000
- 2007 Poverty and Environment Network Dissertation Funds, Center for International Forestry Research. \$ 5,000
- 2007 Morrison Institute of Population and Environment Research Funds, Stanford Univ. \$ 3,500
- 2006 O'Bie Shultz Dissertation Research Travel Grant, Freeman Spogli Institute for International Studies, Stanford Univ. \$ 5,000
- 2006 Graduate Research Opportunity Funds, of Humanities and Sciences, Stanford Univ. \$ 5,000
- 2005 Center for Latin American Studies Research Funds, Stanford Univ. \$ 5,000
- 2004 Stanford Doctoral Fellowship, five years funding. Department of Anthropological Sciences, Stanford Univ.
- 2004 NASA/MCT LBA-ECO Field Grant, Univ. of Florida and Woods Hole Research. \$ 3,500
- 2003 Tropical Conservation and Development Field Research Grant, Tropical Conservation and Development Program, Univ. of Florida. \$ 3,500
- 2002 OAS Graduate Fellowship, two years funding. Organization of American States
- 2000 Inter-American Institute for Global Change Research

ACADEMIC MENTORING

- 2016 Megan Briggs (MS *Geography*) Committee Member, Univ. of Alabama
- 2015 Kelsi Davis (MS *Geography*) Co-advisor, Univ. of Alabama
- 2015 Cindy Taylor (MS *Geography*) Committee Member, Univ. of Alabama
- 2015 Clare Ols (Undergraduate *Biology & Honors College*) Univ. of Alabama
- 2015 Kathryn Shay (Undergraduate *Environmental Sciences & Honors College*) Univ. of Alabama
- 2015 Samuel Yang (Undergraduate *Environmental Sciences & Honors College*) Univ. of Alabama

COURSES TAUGHT AND FORTHCOMING

- 2016 Geography of Latin America *GY345*. Dept. Of Geography, Univ. of Alabama
- 2016 Field Studies in Peru: Tropical Ecology, Conservation, and Development *GY4XX*. Program Director, Dept. Of Geography, Univ. of Alabama
- 2016 Field Studies in Costa Rica: Tropical Ecology, Conservation, and Development *GY458*. Program Director, Dept. Of Geography, Univ. of Alabama
- 2016 People, Places, & Environment *GY110*. Dept. Of Geography, Univ. of Alabama
- 2016 Environmental Change in the Tropics *UH300*. Honors College, Univ. of Alabama
- 2015 Environment and Society *GY453/553*. Dept. Of Geography, Univ. of Alabama
- 2015 People, Places, & Environment *GY110*. Dept. Of Geography, Univ. of Alabama
- 2015 Environmental Change in the Tropics *UH300*. Honors College, Univ. of Alabama
- 2015 Field Studies in Costa Rica: Tropical Ecology, Conservation, and Development *GY458*. Program Director & Instructor, Dept. Of Geography, Univ. of Alabama
- 2014 Environment and Society *GY453/553*. Dept. Of Geography, Univ. of Alabama
- 2006 Pre-Field Seminar in Anthropological Sciences. Teaching Assistant, Dept. of Anthropological Sciences, Stanford Univ.
- 2005 Introduction to Prehistoric Archeology. Teaching Assistant, Dept. of Anthropological Sciences, Stanford Univ.
- 1997 Forest Measurement, Teaching Assistant, Dept. of Forest Sciences, Univ. Nacional Agraria La Molina, La Molina, Peru

ORAL PRESENTATIONS

- 2016 **Almeyda Zambrano, Angélica M.** “Ecotourism, livelihoods, and land use dynamics in the tropics.” Department of Tourism, Recreation, and Sports Management, Univ. of Florida, February 26th
- 2016 **Almeyda Zambrano, Angélica M.** “Livelihoods and Deforestation in the Tri-National Frontier Peru-Brazil-Bolivia.” Department of Anthropology, Univ. of Alabama, Tuscaloosa, February 19th
- 2016 **Almeyda Zambrano, Angélica M.** “Human Environment Interactions in the Tropics: Forests, Livelihoods, and Water.” Department of Geography, Univ. of Alabama, Tuscaloosa, February 1st
- 2015 **Almeyda Zambrano, Angélica M.** and Eben N. Broadbent. “The Future of Ecosystem Services in New England.” The Environmental Institute, Univ. of Alabama, Tuscaloosa, August 28th
- 2013 Broadbent, Eben N., Rodolfo D. Dirzo, **Angélica M. Almeyda Zambrano**, Lucia M. Barquero, Sandra L. Almeyda Zambrano, Carlos A. Quispe. “The terrestrial ecosystem component of the Osa & Golfito Initiative (inogo.stanford.edu), Costa Rica: An integrative cross-disciplinary effort

- for sustainability.” Association for Tropical Biology and Conservation (ATBC), San Jose, Costa Rica, June 24th
- 2013 Broadbent, Eben N., **Angélica M. Almeyda Zambrano**, Meghan J. Blumstein, Evelyn Strombom, David Foster, Kathy L. Lambert, Johnathan R. Thompson. “Prescient thinking and the future of ecosystem services in New England.” Ecological Society of America (ESA), Minneapolis, MN August 5th
- 2012 **Almeyda Zambrano, Angélica M.** “Deforestation and Development in Amazonia: A tri-national frontier study.” Sustainability Science Seminar, Harvard Univ.. Cambridge, MA, March 21st
- 2011 **Almeyda Zambrano, Angélica M.** and Eben N. Broadbent, Amy E. Duchelle, Gregory P. Asner, David E. Knapp, Ronnie Babigumira, Sven Wunder, William H. Durham. “Deforestation and development in Amazonia: A tri-national frontier study.” Poverty and Environment Network Science Workshop: ‘Exploring the forest-poverty link: new research findings.’ Univ. of East Anglia, Norwich, UK, June 13th – 14th
- 2010 Perz, Stephen G. and **Angélica M. Almeyda Zambrano.** “A Tripartite Theoretical Framework for the Integrated Study of Environmental Change.” 105th Annual Meeting of the American Sociological Association. Atlanta, USA, August 14th – 17th
- 2010 **Almeyda Zambrano, Angélica M.** and Eben N. Broadbent. “The Political ecology of smallholder–environment interactions in the Amazon: changing dynamics with infrastructure development.” XXIII IUFRO World Congress ‘Forests for the Future: Sustaining Society and the Environment.’ Seoul, South Korea, August 23 – 28th
- 2010 Duchelle, Amy E, **Angélica M. Almeyda Zambrano**, Natalia Hoyos, Matthew Marsik, Eben N. Broadbent, and Karen A. Kainer. “Conservation in an Amazonian tri-national frontier: patterns and drivers of land cover change in community-managed forests.” Workshop: Taking Stock of Smallholder and Community Forestry: Where do we go from here? Montpellier, France
- 2009 Duchelle, Amy E., **Angélica M. Almeyda Zambrano**, N Hoyos, Marsik M, Broadbent EN, and Kainer KA. “Uso y cobertura de suelo en comunidades castañeras en la región MAP.” Chicago Field Museum Workshop: “Nuestra Amazonía, Nuestro Futuro Común.” Cobija, Bolivia
- 2006 **Almeyda Zambrano, Angélica M.**, Eben N. Broadbent, and William H. Durham. “Socioeconomic impacts of ecotourism: The Lapa Rios case study.” Center for Latin American Studies, Stanford Univ., Stanford, USA, January 25th
- 2005 **Almeyda Zambrano, Angélica M.**, Marianne Schminck and Stephen G. Perz. “Land Use and Land Cover in Assis Brazil, Brazil and Iñapari, Peru, Southwest Amazonia.” Working Forests in the Tropics Conference: Policy and Market Impacts on Conservation and Management. Univ. of Florida, Gainesville, US, February 14th – 15th
- 2004 **Almeyda Zambrano, Angélica M.** “Uso y Cobertura de la tierra en Assis Brasil, Brazil y en Iñapari, Peru.” Forum: MiniMAP Agenda 21. Iñapari, Madre de Dios, Peru, June 29th

RECENT POSTERS

- 2015 Davis Kelsi, **Angélica M. Almeyda Zambrano**, Eben N. Broadbent, Carlos A. Quispe Gill, Sandra L. Almeyda Zambrano S. “Linking remote sensing of land use and land cover with water quality and human health in the Osa Peninsula and Golfito region of Costa Rica.” Alabama Water Resources Conference. Orange Beach, USA, September 3rd – 5th
- 2015 Shay Kathryn, Eben N. Broadbent, **Angélica M. Almeyda Zambrano.** “Development of methodology for soundscape monitoring of avian composition and abundance.” Univ. of Alabama System Honors Research Conference. Tuscaloosa, USA, April 14th
- 2015 Ols Clare, Eben N. Broadbent, **Angélica M. Almeyda Zambrano.** “Trail and forest animal diversity and composition in a biological reserve with active ecotourism on the Osa Peninsula of

- Costa Rica.” Univ. of Alabama System Honors Research Conference. Tuscaloosa, USA, April 14th
- 2015 Pinkerton Austin, Eben N. Broadbent, **Angélica M. Almeyda Zambrano**. “Automated tree-crown delineation using photogrammetric analyses.” Univ. of Alabama System Honors Research Conference. Tuscaloosa, USA, April 14^t.
- 2015 Shay Kathryn, Eben N. Broadbent, **Angélica M. Almeyda Zambrano**. “Development of methodology for soundscape monitoring of avian composition and abundance.” Univ. of Alabama Undergraduate Research & Creative Activity Conference. Tuscaloosa, USA, April 7th
- 2015 Ols Clare, Eben N. Broadbent, **Angélica M. Almeyda Zambrano**. “Trail and forest animal diversity and composition in a biological reserve with active ecotourism on the Osa Peninsula of Costa Rica.” **2nd place** – International Focus Poster – Emerging Scholars – Science, Math and Engineering, Undergraduate Research & Creative Activity Conference. Tuscaloosa, USA, April 7th
- 2015 Pinkerton Austin, Eben N. Broadbent, **Angélica M. Almeyda Zambrano**. “Automated tree-crown delineation using photogrammetric analyses. Univ. of Alabama Undergraduate Research & Creative Activity Conference. Tuscaloosa, USA, April 7th

PROFESSIONAL DEVELOPMENT

- 2016 Workshop: Reforests, Rural Lives, and Livelihoods, National Socio Environmental Synthesis Center (SESYNC), University of Maryland, MD, USA, April 18th-20th
- 2015 Module: Stream Biodiversity, Piro Biological Station, Osa Conservation, Punta Arenas, Costa Rica, May 22nd
- 2015 Module: Large cat monitoring, Piro Biological Station, Osa Conservation, Punta Arenas, Costa Rica, May 21st
- 2013 Workshop: Osa & Golfito Initiative, Woods Institute for the Environment, Stanford Univ., CA, USA, March 15th –18th
- 2008 Workshop: Poverty and Environment Network, CIFOR. Barcelona, Spain, January 8th – 12th.
- 2006 Forum: MAP VI, Madre de Dios, Peru, Acre, Brazil, & Pando, Bolivia. Cobija, Pando, Bolivia, July 20th – 22nd
- 2005 Workshop: Policies and actions for the mitigation of the negative impacts of the Interoceanic Highway in Madre de Dios, Peru. Assis Brazil, Acre, Brazil, December 15th – 16th.
- 2004 Field Class: Tropical Forestry Field Course, Univ. of Florida. Para and Amapa, Brazil, May 17th – May 29th
- 2003 Forum: MAP IV, Madre de Dios, Peru, Acre, Brazil, and Pando, Bolivia. Eptaciolandia, Acre, Brazil, August.
- 2000 Second IAI Summer Institute on Interdisciplinary Science in the Americas. Inter-American Institute / Univ. of Miami (IAI / UM). Rosenstiel School of Marine and Atmospheric Sciences, UM, Miami, Florida, USA, July 16th – August 4th

POPULAR MEDIA

- 2015 Featured on www.ua.edu, research.ua.edu, and emergingscholars.ua.edu webpages, September - Ongoing
- 2015 “Birds and Climate Change” September 25th, ABC TV News– 3 minute TV segment
- 2015 “All about the Birds” September 22nd, WVUA TV News– 1 minute TV segment
- 2015 “[Calling all birds](#)” September 5th, Univ. of Alabama Research Magazine

- 2014 [“Private Reserves Support National Parks in Big Cat Conservation”](#) July 3rd, National Geographic Cat Watch
- 2008 [“Murder in the Resource Frontier”](#) March 17th, New York Times Dot Earth
- 2008 [“Amazon Environmentalist gunned down in Peru”](#) March 14th, Mongabay

REVIEWER

- Human Ecology
- Conservation and Society
- Journal of International Tourism Research
- Tourism Management
- Tourism Planning and Development

PROFESSIONAL ORGANIZATIONS

- Association of American Geographers
- American Anthropological Association
- Latin American Studies Association
- Association for Tropical Biology and Conservation
- American Geophysical Union

FIELD RESEARCH METHODS

- Socioeconomic survey and questionnaire development and application;
- Advanced tree canopy access and rescue methods, including climbing using single rope, double rope, Tyrolean traverses, etc... for canopy research;
- Transects and plots for vegetation (structure, diversity & density) analysis;
- Plant collection and preservation: shotguns for canopy leaves, portable drying ovens and alcohol preservation techniques;
- Soil collection and preservation: bulk density, pH, portable drying ovens, transportation.

LANGUAGES

- Spanish, native
- English, fluent (spoken, written, reading)
- Portuguese, fluent (spoken, reading), advanced (writing)
- French, beginner (reading)

COMPUTING

- Statistical software: JMP, SPSS, STATA, R
- Remote Sensing and GIS software: ENVI, ERDAS Imagine, ArcGIS
- Ecosystem Services software: InVEST
- Database: Microsoft Access