

## ANGÉLICA M. ALMEYDA ZAMBRANO

Spatial Ecology and Conservation (SPEC) Lab  
Center for Latin American Studies  
University of Florida  
Gainesville, FL 32611  
aalmeyda@ufl.edu, +650-204-1052  
[www.speclab.org](http://www.speclab.org)



### 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

- 2020 -     Research Faculty, Center for Latin American Studies, University of Florida
- 2020 -     Core Faculty, Tropical Conservation & Development Program, University of Florida
- 2014 -     Co-Director, Spatial Ecology and Conservation (SPEC) Lab
- 2020 -     Adjunct Faculty, Department of Tourism, Hospitality, and Events Management, University of Florida
- 2016 - 2020     Assistant Professor, Department of Tourism, Hospitality, and Events Management, University of Florida
- 2016 - 2020     Faculty Affiliate, Eric, Friedheim Tourism Institute, University of Florida
- 2016 - 2020     Faculty Affiliate, Tropical Conservation & Development Program, University of Florida
- 2016 - 2020     Faculty Affiliate, Center for Latin American Studies, University of Florida
- 2016 -     Faculty Affiliate, Master of Sustainable Development Practice, University of Florida
- 2016 -     Faculty Affiliate, School of Natural Resources and Environment, University of Florida
- 2016 -     Faculty Affiliate, Water Institute, University of Florida
- 2017 -     Faculty Affiliate, Biodiversity Institute, University of Florida
- 2017 -     Faculty Affiliate, Florida Climate Institute

- 2014 - 2016 Adjunct Faculty, Department of Geography, University of Alabama  
2014 - 2016 Faculty Affiliate, Center for Freshwater Studies, University of Alabama  
2014 - 2017 Affiliated Researcher, 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

## PUBLISHED JOURNAL ARTICLES

- Brancalion, P. H. S., Broadbent, E. N., De-Miguel, S., Cardil, A., Rosa, M. R., Almeida, C. T., ... **Almeyda Zambrano, A. M.** (2020). Emerging threats linking tropical deforestation and the COVID-19 pandemic. *Perspectives in Ecology and Conservation*.  
<https://doi.org/10.1016/j.pecon.2020.09.006>
- Schroder, W., Murtha, T., Golden, C., Anaya Hernández, A., Scherer, A., Morell-Hart, S., ... **Almeyda Zambrano, A. M.** ... Brown, M. (2020). The lowland Maya settlement landscape: Environmental LiDAR and ecology. *Journal of Archaeological Science: Reports*, 33.  
<https://doi.org/10.1016/j.jasrep.2020.102543>
- Dobbins, M., Sollmann, R., Menke, S., **Almeyda Zambrano, A. M.** & Broadbent, E. (2020). An integrated approach to measure hunting intensity and assess its impacts on mammal populations. *Journal of Applied Ecology*. <https://doi.org/10.1111/1365-2664.13750>
- de Almeida, D. R. A., **Almeyda Zambrano, A. M.**, Broadbent, E. N., Wendt, A. L., Foster, P., Wilkinson, B. E., ... Chazdon, R. (2020). Detecting successional changes in tropical forest structure using GatorEye drone-borne lidar. *Biotropica*. <https://doi.org/10.1111/btp.12814>
- D'Oliveira, M. V. N., Broadbent, E. N., Oliveira, L. C., Almeida, D. R. A., Papa, D. A., Ferreira, M. E., ... **Almeyda Zambrano, A. M.** ... Oliveira-da-Costa, M. (2020). Aboveground biomass estimation in Amazonian tropical forests: A comparison of aircraft-and gatereye UAV-borne LIDAR data in the Chico mendes extractive reserve in Acre, Brazil. *Remote Sensing*, 12(11), 1–19. <https://doi.org/10.3390/rs12111754>

- Corte, A. P. D., Rex, F. E., de Almeida, D. R. A., Sanquetta, C. R., Silva, C. A., Moura, M. M., ... **Almeyda Zambrano, A. M.** ... Broadbent, E. N. (2020). Measuring individual tree diameter and height using gatereye high-density UAV-lidar in an integrated crop-livestock-forest system. *Remote Sensing*, 12(5). <https://doi.org/10.3390/rs12050863>
- de Almeida, D. R. A., Stark, S. C., Valbuena, R., Broadbent, E. N., Silva, T. S. F., de Resende, A. F., ... **Almeyda Zambrano, A. M.** & Brancalion, P. H. S. (2020). A new era in forest restoration monitoring. *Restoration Ecology*, 28(1), 8–11. <https://doi.org/10.1111/rec.13067>
- Lopez Gutierrez, B., **Almeyda Zambrano, A. M.**, Mulder, G., Ols, C., Dirzo, R., Almeyda Zambrano, S. L., ... Broadbent, E. N. (2020). Ecotourism: the ‘human shield’ for wildlife conservation in the Osa Peninsula, Costa Rica. *Journal of Ecotourism*, 19(3), 197–216. <https://doi.org/10.1080/14724049.2019.1686006>
- Barbour, T. E., Sassaman, K. E., **Almeyda Zambrano, A. M.**, Broadbent, E. N., Wilkinson, B., & Kanaski, R. (2019). Rare pre-Columbian settlement on the Florida Gulf Coast revealed through high-resolution drone LiDAR. *Proceedings of the National Academy of Sciences of the United States of America*, 116(47), 23493–23498. <https://doi.org/10.1073/pnas.1911285116>
- Brancalion, P. H. S., Niamir, A., Broadbent, E., Crouzeilles, R., Barros, F. S. M., **Almeyda Zambrano, A. M.**, ... Chazdon, R. L. (2019). Global restoration opportunities in tropical rainforest landscapes. *Science Advances*, 5(7), 1–12. <https://doi.org/10.1126/sciadv.aav3223>
- Steidinger, B. S., Crowther, T. W., Liang, J., Van Nuland, M. E., Werner, G. D. A., Reich, P. B., ... **Almeyda Zambrano, A. M.** ... Peay, K. G. (2019). Climatic controls of decomposition drive the global biogeography of forest-tree symbioses. *Nature*, 569(7756), 404–408. <https://doi.org/10.1038/s41586-019-1128-0>
- Murtha, T. M., Broadbent, E. N., Golden, C., Scherer, A., Schroder, W., Wilkinson, B., & **Almeyda Zambrano, A. M.** (2019). Drone-mounted LidAR survey of Maya settlement and landscape. *Latin American Antiquity*, 30(3), 630–636. <https://doi.org/10.1017/laq.2019.51>
- Almeyda Zambrano, S. L., Broadbent, E. N., Shanee, S., Shanee, N., Deluycker, A., Steinberg, M., ... **Almeyda Zambrano, A. M.** (2019). Habitat preference in the critically endangered yellow-tailed woolly monkey (*Lagothrix flavicauda*) at La Esperanza, Peru. *American Journal of Primatology*, 81(8), 1–13. <https://doi.org/10.1002/ajp.23032>
- Mere Roncal, C., Middendorf, E., Forsyth, A., Cáceres, A., Blake, J. G., **Almeyda Zambrano, A. M.**, & Broadbent, E. N. (2019). Assemblage structure and dynamics of terrestrial birds in the southwest Amazon: a camera-trap case study. *Journal of Field Ornithology*, 90(3), 203–214. <https://doi.org/10.1111/jofo.12299>
- Poorter, L., Rozendaal, D. M. A., Bongers, F., de Almeida-Cortez, J. S., **Almeyda Zambrano, A. M.**, Álvarez, F. S., ... Westoby, M. (2019). Wet and dry tropical forests show opposite successional pathways in wood density but converge over time. *Nature Ecology and Evolution*, 3(6), 928–934. <https://doi.org/10.1038/s41559-019-0882-6>
- Almeida, D. R. A., Broadbent, E. N., **Almeyda Zambrano, A. M.**, Wilkinson, B. E., Ferreira, M. E., Chazdon, R., ... Brancalion, P. H. S. (2019). Monitoring the structure of forest restoration plantations with a drone-lidar system. *International Journal of Applied Earth Observation and Geoinformation*, 79(March), 192–198. <https://doi.org/10.1016/j.jag.2019.03.014>

- Lopez Gutierrez, B., **Almeyda Zambrano, A. M.**, Almeyda Zambrano, S. L., Quispe Gil, C. A., Bohlman, S., Arias, E. A., ... Broadbent, E. N. (2019). An island of wildlife in a human-dominated landscape: The last fragment of primary forest on the Osa Peninsula's Golfo Dulce coastline, Costa Rica. *PLoS ONE*, 14(3), 1–19.  
<https://doi.org/10.1371/journal.pone.0214390>
- Gil, C. A. Q., Piana, R. P., Broadbent, E., **Almeyda Zambrano, A.**, & Almeyda Zambrano, S. (2016). First documentation of a foraging association between the Rufous-vented Ground-cuckoo ( *Neomorphus geoffroyi* ) and the Collared Peccary ( *Pecari tajacu* ) in southeastern Peru. *Boletín UNOP*, 11(December), 2–2016.
- Thompson, J. R., Lambert, K. F., Foster, D. R., Broadbent, E. N., Blumstein, M., **Almeyda Zambrano, A. M.**, & Fan, Y. (2016). The consequences of four land-use scenarios for forest ecosystems and the services they provide. *Ecosphere*, 7(10).  
<https://doi.org/10.1002/ecs2.1469>
- Chazdon, R. L., Broadbent, E. N., Rozendaal, D. M. A., Bongers, F., **Almeyda Zambrano, A. M.**, Aide, T. M., ... Poorter, L. (2016). Carbon sequestration potential of second-growth forest regeneration in the Latin American tropics. *Science Advances*, 2(5).  
<https://doi.org/10.1126/sciadv.1501639>
- Poorter, L., Bongers, F., Aide, T. M., **Almeyda Zambrano, A. M.**, Balvanera, P., Becknell, J. M., ... Rozendaal, D. M. A. (2016). Biomass resilience of Neotropical secondary forests. *Nature*, 530(7589), 211–214. <https://doi.org/10.1038/nature16512>
- Anderson-Teixeira, K. J., Davies, S. J., Bennett, A. C., Gonzalez-Akre, E. B., Muller-Landau, H. C., Joseph Wright, S., ... Zimmerman, J. (2015). CTFS-ForestGEO: A worldwide network monitoring forests in an era of global change. *Global Change Biology*, 21(2), 528–549.  
<https://doi.org/10.1111/gcb.12712>
- Chávez, A. B., Broadbent, E. N., & Almeyda Zambrano, A. M. (2014). Smallholder policy adoption and land cover change in the southeastern Peruvian Amazon: A twenty-year perspective. *Applied Geography*, 53(2014), 223–233.  
<https://doi.org/10.1016/j.apgeog.2014.06.017>
- Broadbent, E. N., **Almeyda Zambrano, A. M.**, Asner, G. P., Field, C. B., Rosenheim, B. E., Kennedy-Bowdoin, T., ... Cordell, S. (2014). Linking rainforest ecophysiology and microclimate through fusion of airborne LiDAR and hyperspectral imagery. *Ecosphere*, 5(May), art57. <https://doi.org/10.1890/ES13-00255.1>
- Duchelle, A. E., Almeyda Zambrano, A. M., Wunder, S., Börner, J., & Kainer, K. a. (2014). Smallholder Specialization Strategies along the Forest Transition Curve in Southwestern Amazonia. *World Development*, 64(1), S149-S158.  
<https://doi.org/10.1016/j.worlddev.2014.03.001>
- Broadbent, E. N., **Almeyda Zambrano, A. M.**, Asner, G. P., Soriano, M., Field, C. B., De Souza, H. R., ... Giles, L. (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(February). <https://doi.org/10.1371/journal.pone.0086042>
- Broadbent, E. N., **Almeyda Zambrano, A. M.**, Dirzo, R., Durham, W. H., Driscoll, L., Gallagher, P., ... Randolph, S. G. (2012). The effect of land use change and ecotourism on

biodiversity: a case study of Manuel Antonio, Costa Rica, from 1985 to 2008. *Landscape Ecology*. <https://doi.org/10.1007/s10980-012-9722-7>

**Almeyda Zambrano, A. M.**, Broadbent, E. N., Schmink, M., Perz, S. G., & Asner, G. P. (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, A. M.**, Broadbent, E. N., & Durham, W. H. (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. <https://doi.org/10.1080/14724040902953076>

**Almeyda Zambrano, A. M.**, Broadbent, E. N., Wyman, M. S., & Durham, W. H. (2010). Ecotourism Impacts in the Nicoya Peninsula, Costa Rica. *International Journal of Tourism Research*. <https://doi.org/10.1002/jtr>

Oliveira, P. J. C., Asner, G. P., Knapp, D. E., **Almeyda Zambrano, A. M.**, Galván-Gildemeister, R., Keene, S., ... Smith, R. C. (2007). Land-use allocation protects the Peruvian Amazon. *Science*, 317(5842), 1233–1236. <https://doi.org/10.1126/science.1146324>

Smith, R. C., Pinedo, D., Summers, P. M. P. M., & **Almeyda Zambrano, A. M.** (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, S. G., & **Almeyda Zambrano, A. M.** (2009). 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 (pp. 59–84). Landscape Series. New York: Springer [https://doi.org/10.1007/978-1-4020-9656-3\\_4](https://doi.org/10.1007/978-1-4020-9656-3_4)

**Almeyda Zambrano, A. 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, D., Summers P. M., Smith, R. C., and **Almeyda Zambrano A. M.** 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, R. C., Pinedo, D., Summers, P. M., and **Almeyda Zambrano A. M.** 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 IN REVIEW**

Gutierrez BL, **Almeyda Zambrano AM** et al. The role of wildlife in driving ecotourism and visitor satisfaction on the Osa Peninsula of Costa Rica: The Lapa Rios case. *Sustainability*

## JOURNAL ARTICLES IN PROGRESS

**Almeyda Zambrano, Angélica M.,** Eben N. Broadbent, et al. *In Prep.* Drone LiDARs in tourism: an application to nature tourism in Sarapiquí, Costa Rica. *Journal of Park and Recreation Administration*

**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

## MISCELLANEOUS PUBLICATIONS

Broadbent EN, **Almeyda Zambrano AM.** 2015. Suite of R software to analyze Smithsonian Institution Global Plot Geospatial Data.

<https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/26155>

Broadbent EN, **Almeyda Zambrano AM,** Jimenez A, Vinicio M, Campos C, Betancourt, LQ. 2015. Uso y cobertura de la tierra en el Humedal Nacional Terrapa-Sierpe: Una comparación entre el 2012 y el

2015. Affiliated with the Spatial Ecology and Conservation (SPEC) Lab, the NGO Osa Conservation, and the Stanford Woods Institute for the Environment.
- Broadbent EN, **Almeyda Zambrano AM**, Dirzo RD, Quispe Gil CA, Almeyda Zambrano SL, Villalobos M, Hunt C, Menke C. 2015. 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.
- Almeyda Zambrano AM**, Broadbent EN, Gaffiken L, Quispe Gil CA, Almeyda Zambrano SL. 2015. An analysis of social and environmental problems, solutions and interventions in the Osa and Golfito regions of Costa Rica: comparative findings from INOGO phase 1 reports. Stanford Woods Institute for the Environment. Report. Pgs. 104.
- 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
- 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.
- 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.
- 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, 23-28<sup>th</sup> August 2010, Seoul, South Korea*’ (editors: John A. Parrotta and Mary A. Carr). Vol. 12(5):418

## GRANTS AND FELLOWSHIPS

- In Prep* Trajectories of change: the role of Brazil nut concessions in supporting rural economies and conserving Amazonian biodiversity. CNH2: Dynamics of integrated Socio-Environmental Systems, National Science Foundation. PI \$ 1'415,000 (*Exp. Nov 2020*)
- 2020 Strengthening Coastal and Marine Climate Resilience through Upland and Coastal Ecosystem-Based Adaptation and Community Engagement. Caribbean Biodiversity Fund (CBF) in partnership with Inter-American Institute for Cooperation in Agriculture (IICA). PI \$ 159,337.62
- 2020 Collaborative Research: Spatio-temporal dynamics of tropical forest phenology and productivity. Geography and Spatial Sciences, National Science Foundation. Co-PI \$ 387,917 (*Sept 2019*)
- 2019 Monitoring forest structure post-disturbance for restoration ecology and hydrology in the Panhandle of Florida. United States Forest Service. Co-PI \$ 205,000
- 2019 Resilient Lowland Maya Landscapes. Division of Behavioral and Cognitive Science, National Science Foundation. Co-PI \$ 263,353

- 2018 Pan-Amazon Community of Practice to Improve Transparency and Accountability of Infrastructure Planning for Good Governance of Protected Areas Mosaics. Andes-Amazon Initiative, Moore Foundation. Senior Personnel \$ 1'512,000
- 2017 The phenology of sound: leveraging NEON data to understand how environmental change impacts the sound of nature. 2017 Ordway-Swisher Biological Station Jumpstart Award, University of Florida. Co-PI \$ 76,433
- 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 PhD Chair**

- 2019 Fernando Noriega (PhD *Interdisciplinary Ecology*) Co-advisor, Uni. of Florida
- 2019 Emily Wheeler (PhD *Interdisciplinary Ecology*) Co-advisor, Uni. of Florida
- 2017 Pamela Montero Alvarez (PhD *Tourism, Rec. & Sport Mgmt.*) Advisor, Univ. of Florida
- 2017 Luyu Wang (PhD *Tourism, Rec. & Sport Mgmt.*) Advisor, Univ. of Florida
- 2016 Hoda Manafian (PhD *Tourism, Rec. & Sport Mgmt.*) Advisor, Univ. of Florida



### **Master's Chair**

- 2019 Igor Viana Souza (*Master in Latin American Studies*) Advisor, Univ. of Florida
- 2017 Tania Romero Bautista (*MS Sustainable Development Practice*) Advisor, Univ. of Florida
- 2017 Mahsa Moghaddasi (*MS Tourism, Rec. & Sport Mgmt.*) Advisor, Univ. of Florida
- 2017 Ying Qiu (*MS Tourism, Rec. & Sport Mgmt.*) Advisor, Univ. of Florida

### **PhD Member**

- 2019 Shane Feyers (*PhD Interdisciplinary Ecology*) Committee Member, Univ. of Florida
- 2018 Carla Mere Roncal (*PhD Forest Resources and Conservation*) Committee Member, Univ. of Florida
- 2018 Kathleen Vazquez (*PhD Agricultural & Biological Eng.*) Committee Member, Univ. of Florida
- 2018 Abdulelah Al-Tokhais (*PhD Tourism, Rec. & Sport Mgmt.*) Committee Member, Univ. of Florida
- 2018 Hongping Zhang (*PhD Tourism, Rec. & Sport Mgmt.*) Committee Member, Univ. of Florida
- 2018 Joshua Roe (*PhD Tourism, Rec. & Sport Mgmt.*), Committee Member, Univ. of Florida
- 2018 Michael Dobbins (*PhD Forest Resources and Conservation*) Committee Member, Univ. of Florida
- 2017 Mabel Baez (*PhD Forest Resources and Conservation*) Committee Member, Univ. of Florida
- 2017 Beatriz Lopez Gutierrez (*PhD Forest Resources and Conservation*) Committee Member, Univ. of Florida
- 2016 Estefania Basurto (*PhD Tourism, Rec. & Sport Mgmt.*) Committee Member, Univ. of Florida

### **Master's Member**

- 2019 Frank Prince (*MS Forest Resources and Conservation*) Committee Member, Univ. of Florida
- 2018 Susana Shady Ruiz Dias (*MS Forest Resources and Conservation*) Committee Member, Univ. of Florida
- 2018 Vanessa Deisi Luna Celino (*MA Latin American Studies*) Committee Member, Univ. of Florida
- 2018 Amanda Brock (*MA Anthropology*)
- 2017 Danielle Barbe (*MS Tourism, Rec. & Sport Mgmt.*) Committee Member, Univ. of Florida
- 2016 Megan Briggs (*MS Geography*) Committee Member, Univ. of Alabama
- 2015 Kelsi Davis (*MS Geography*) Committee Member, Univ. of Alabama
- 2015 Cindy Taylor (*MS Geography*) Committee Member, Univ. of Alabama

### **Undergraduate Research Mentor**

- 2018 Gail Cheng (*Undergraduate Tourism, Rec. & Sport Mgmt.*) Univ. of Florida
- 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
- 2015 Monica Vermillion (*Undergraduate Engineering & Honors College*) Univ. of Alabama

### **OTHER MENTORING ACTIVITIES**

- 2019 Advisor University of Florida Peruvian American Student Society
- 2017 Advisor University of Florida First Generation Students

## COURSES TAUGHT AND FORTHCOMING

- 2020 Entrepreneurship in TRSM. *LEI3843*. Dept. of Tourism, Hospitality and Events Management (THEM), Univ. of Florida  
Entrepreneurship in TRSM. *LEI3843 UF Online*. Dept. of THEM, Univ. of Florida
- 2019 Ecotourism. *LEI6325*. Dept. of THEM, Univ. of Florida  
Entrepreneurship in TRSM. *LEI3843*. Dept. of THEM, Univ. of Florida  
Entrepreneurship in TRSM. *LEI3843 UF Online*. Dept. of THEM, Univ. of Florida
- 2018 Research Methods in TRSM. *LEI4880*. Dept. of Tourism, Recreations and Sports Management (TRSM), Univ. of Florida  
Entrepreneurship in TRSM. *LEI3843*. Dept. of TRSM, Univ. of Florida
- 2017 Research Methods in TRSM. *LEI4880*. Dept. of TRSM, Univ. of Florida  
Entrepreneurship in TRSM. *LEI3843*. Dept. of TRSM, Univ. of Florida
- 2016 Research Methods in TRSM. *LEI4880*. Dept. of TRSM, Univ. of Florida  
People, Places, & Environment *GY110*. Dept. of Geography, Univ. of Alabama  
Environmental Change in the Tropics *UH300*. Honors College, Univ. of Alabama
- 2015 Environment and Society *GY453/553*. Dept. of Geography, Univ. of Alabama  
People, Places, & Environment *GY110*. Dept. of Geography, Univ. of Alabama  
Environmental Change in the Tropics *UH300*. Honors College, Univ. of Alabama  
Field Studies in Costa Rica: Tropical Ecology, Conservation, and Development *GY458*. Study Abroad 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

### International

- 2019 **Almeyda Zambrano, Angélica M.** “Sustainable Tourism in the Tropics: Ecotourism, Livelihoods, and Land use dynamics.” Seminar Series, Department of Forest Sciences, Universidad Nacional Agraria La Molina, Peru. June 27th [Invited].
- 2019 **Almeyda Zambrano, Angélica M.** “Unmanned Aerial Vehicles (drones) for governance of infrastructure in the Amazon.” International Webinar sponsored by the Universidad Amazonica de Pando, Bolivia, and the University of Florida. March 12th. [Invited].
- 2018 **Almeyda Zambrano, Angélica M.** “Sustainable Tourism in the Tropics: Ecotourism, well-being, and land use” Colloquio del Colegio de Hospitalidad, Arte Culinario y Turismo, Universidad San Francisco de Quito, Ecuador. March 20<sup>th</sup>. [Invited].
- 2018 Wang Luyu, **Almeyda Zambrano Angélica**, Xu zhaoh. 2018. Mining online user-generated information: adopting sentiment analysis to study emotions on natural protected areas. Annual Meeting of the American Association of Geographers, AAG, New Orleans, April 13th

- 2018 Montero Alvarez Pamela, **Almeyda Zambrano Angélica**. 2018. The role of rural sustainable tourism in protected area conservation: lessons learned from “La Minga” Loreto – Peru. Annual Meeting of the American Association of Geographers, AAG, New Orleans, April 13th.
- 2017 Broadbent EN, Ane Alencar, **Angélica Almeyda Zambrano**, Beto Verissimo, Paulo Mountinho, Multi-scalar monitoring tools for tropical Amazon deforestation and degradation. Workshop: Tools and Strategies for Conservation and Development in the Amazon: Lessons Learned and Future Pathways. Tropical Conservation and Development Program, Univ. of Florida, Gainesville, October 3<sup>rd</sup>. [Invited].
- 2016 Kelsi Davis, Eben Broadbent, **Angélica Almeyda Zambrano**. Drone LiDAR for monitoring tropical forest aboveground biomass. International Conference on Conservation and Sustainable Use of Rainforests. Gerik, Malaysia. October 18<sup>th</sup>.
- 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 24<sup>th</sup>
- 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 5<sup>th</sup>
- 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 frontier1 study.” Poverty and Environment Network Science Workshop: ‘Exploring the forest-poverty link: new research findings.’ Univ. of East Anglia, Norwich, UK, June 13<sup>th</sup> – 14<sup>th</sup>
- 2010 Perz, Stephen G. and **Angélica M. Almeyda Zambrano**. “A Tripartite Theoretical Framework for the Integrated Study of Environmental Change.” 105<sup>th</sup> Annual Meeting of the American Sociological Association. Atlanta, USA, August 14<sup>th</sup> – 17<sup>th</sup>
- 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 – 28<sup>th</sup>
- 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

### **National**

- 2019 **Almeyda Zambrano, Angélica M.** “The Brazilian Amazon Fires: What Do They Mean for the Climate?” Panelist at webinar sponsored by the Institute for Carbon Removal Law and Policy, American University, September 3<sup>rd</sup>
- 2016 **Almeyda Zambrano, Angélica M.** “Ecotourism, livelihoods, and land use dynamics in the tropics.” Department of Tourism, Recreation, & Sport Management, Univ. of Florida, February 26<sup>th</sup>. [Invited].
- 2016 **Almeyda Zambrano, Angélica M.** “Livelihoods and Deforestation in the Tri-National Frontier Peru-Brazil-Bolivia.” Department of Anthropology, Univ. of Alabama, Tuscaloosa, February 19<sup>th</sup>. [Invited].

- 2016 **Almeyda Zambrano, Angélica M.** “Human Environment Interactions in the Tropics: Forests, Livelihoods, and Water.” Department of Geography, Univ. of Alabama, Tuscaloosa, February 1<sup>st</sup>. [Invited].
- 2015 **Almeyda Zambrano, Angélica M.** and Eben N. Broadbent. “The Future of Ecosystem Services in New England.” The Environment Institute, Univ. of Alabama, Tuscaloosa, August 28<sup>th</sup>. [Invited].
- 2012 **Almeyda Zambrano, Angélica M.** “Deforestation and Development in Amazonia: A tri-national frontier study.” Sustainability Science Seminar, Harvard Uni. Cambridge, MA, March 21<sup>st</sup>
- 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 25<sup>th</sup>
- 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 14<sup>th</sup> – 15<sup>th</sup>

### Regional

- 2018 Broadbent EN, **Angelica Almeyda Zambrano**. Applications and challenges of drone-LiDAR in tropical regions. ASPRS LiDAR conference, Apopka, FL, USA. [**Selected**]
- 2016 Broadbent EN, **Angelica Almeyda Zambrano**. Drone LiDAR applications and systems development, Florida ASPRS LiDAR conference, Apopka, FL, USA. [**Selected**]

### Local

- 2019 **Almeyda Zambrano, Angélica M** and Eben Broadbent. “GatorEye unamed aerial vehicle system: Advanced sensors and application in tourism.” EFTI Seminar. University of Florida. March 29<sup>th</sup>. [Invited].
- 2019 **Almeyda Zambrano, Angélica M.** “Ecotourism: definitions and principles” Global Biodiversity & Culture (BOT4935/ZOO4926) University of Florida. February 5th. [Invited].
- 2019 **Almeyda Zambrano, Angélica M.** “Ecotourism as a development strategy” Socioecological Systems (WIS6934) University of Florida. February 5th. [Invited].
- 2019 **Almeyda Zambrano, Angélica M.** “Road infrastructure development and deforestation in Southwest Amazonia.” Governance of Infrastructure in the Amazon Seminar. University of Florida. January 29th. [Invited].
- 2018 **Almeyda Zambrano, Angélica M.** “Sustainable Tourism in the Tropics: Ecotourism, well-being, and land use dynamics” One Health Talk. University of Florida. February 8<sup>th</sup>. [Invited].
- 2018 Broadbent EN and **Almeyda Zambrano, Angélica M.** GatorEye Unmanned Flying Laboratory Demonstration and Presentation, Department of Tourism, EFTI Board Meeting. [Invited]

## RECENT POSTERS

- 2019 Montero Alvarez Pamela, **Almeyda Zambrano Angélica**. 2019. “Social capital from conservation influencing community-based tourism: a host perception study in the Peruvian Amazon”. Graduate Student Research Day, Univ. of Florida, Gainesville, April 2nd. **1<sup>st</sup> Place, PhD Research in Social and Behavioral Sciences.**
- 2019 Montero Alvarez Pamela, **Almeyda Zambrano Angélica**. 2019. “Social capital from conservation influencing community-based tourism: a host perception study in the Peruvian Amazon”. D.K. Stanley Lecture Research Symposium Poster Session. Department of Tourism, Recreation and Sport Management, College of Health and Human Performance, University of Florida, Gainesville, March 19th. **2<sup>nd</sup> Place, PhD Research.**
- 2019 Montero Alvarez Pamela, **Almeyda Zambrano Angélica**. 2019. “Social capital from conservation Influencing Community-Based Tourism: a host perception study in the Peruvian Amazon”. Fieldwork Festival 2019, Center for Latin American Studies, University of Florida, Gainesville, March 15th.
- 2018 Montero Alvarez Pamela, **Almeyda Zambrano Angélica**. 2018. The role of rural communal tourism in protected area sustainability by strengthening social capital and market access development in the Peruvian Amazon. Graduate Student Research Day, Univ. of Florida, Gainesville, April 3rd.
- 2018 Montero Alvarez Pamela, **Angélica Almeyda Zambrano**. The role of rural communal tourism in protected area sustainability by strengthening social capital and market access development in the Peruvian Amazon. Stanley Lecture Research Symposium. College of Human Health & Performance. Univ. of Florida, Gainesville, March 12<sup>th</sup>
- 2018 Romero Bautista Tania, **Angélica Almeyda Zambrano**, Stephen Perz, Robert Walker. Effective Altruism as a Framework to Assess Conservation and Sustainable Development (CSD) Projects Effectiveness in Madre de Dios, Peru. MDP/TCD/LATAM Fieldwork Festival. Univ. of Florida, Gainesville, USA, February 9<sup>th</sup>. **2<sup>nd</sup> Place Master Research**
- 2018 Manafian Hoda, **Angélica, Almeyda Zambrano**. 2018. Agritourism in Florida: visualizing the distribution pattern and location of agritourism farms in a comprehensive map, using GIS. The Southern SAWG Annual Conference. Chattanooga, Nashville. Tennessee. Jan 20th
- 2017 Montero Alvarez Pamela, **Angélica Almeyda Zambrano**. Communal rural Sustainable Tourism: Lessons learned from La Minga, Loreto, Peru. Workshop: Tools and Strategies for Conservation and Development in the Amazon: Lessons Learned and Future Pathways. Tropical Conservation and Development Program, Univ. of Florida, Gainesville, October 2<sup>nd</sup> – 4<sup>th</sup>
- 2017 Manafian Hoda, **Angélica Almeyda Zambrano**. 2017. Agritourism in Florida: Mapping Cultural Ecosystem-Services in Agricultural Ecosystems. Central Florida Agri-tourism Conference. Davenport, Polk county, Florida. September 26<sup>th</sup>
- 2017 Romero Bautista Tania. 2017. Setting priorities and measuring impact of Conservation and Sustainable Development (CSD) Projects in Madre de Dios, Peru. Poster. International Conference on Sustainable Development. Columbia University, New York, USA, September 18th - 19<sup>th</sup>
- 2017 Davis Kelsi, Eben Broadbent, **Angélica Almeyda Zambrano**. Drone LiDAR for monitoring tropical forest aboveground biomass. Conference of Latin American Geographers. New Orleans, USA, January 3<sup>rd</sup> – 5th
- 2016 Manafian Hoda, **Angélica Almeyda Zambrano**. 2016. Agritourism in Florida: Mapping Cultural Ecosystem-Services in Agricultural Ecosystems. Stanley Lecture Research Symposium. College of Human Health & Performance. Univ. of Florida, Gainesville, March.

- 2016 Davis Kelsi, Eben Broadbent, **Angélica Almeyda Zambrano**. Drone LiDAR for monitoring tropical forest aboveground biomass. Women in STEM (WiSE) Symposium. Univ. of Alabama, Tuscaloosa, USA. January
- 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 3<sup>rd</sup> – 5<sup>th</sup>
- 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 14<sup>th</sup>
- 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 14<sup>th</sup>
- 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<sup>th</sup>
- 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 7<sup>th</sup>
- 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.” **2<sup>nd</sup> place** – International Focus Poster – Emerging Scholars – Science, Math and Engineering, Undergraduate Research & Creative Activity Conference. Tuscaloosa, USA, April 7<sup>th</sup>
- 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 7<sup>th</sup>

## EXTENSION

### Governance of Infrastructure in the Amazon

The Governance and Infrastructure project is concerned with forming communities of practice among conservation and development professionals in four focal areas, the Caqueta in Colombia, the Upper Madeira in Bolivia and Brazil, the Lower Madeira in Brazil, and Loreto in Peru. As the UF faculty lead for Peru I am tasked with convening, organizing, and implementing events and activities with local and international NGOs, local researchers, regional and national government representatives to establish a strong base for a community of practice that can result in effective governance of infrastructure that will support sustainable socio-ecological systems in the Amazon.

- 2019 **Almeyda Zambrano, Angélica M.**, The GIA - Governance for Infrastructure in the Amazon - Project. Presentation at Moore Foundation Partners meeting in Loreto, Peru. March 20th. [Invited].
- 2019 **Almeyda Zambrano, Angélica M.** “Unmanned Aerial Vehicles (drones) for governance of infrastructure in the Amazon.” International Webinar sponsored by the Universidad Amazonica de Pando, Bolivia, and the University of Florida. March 12th. [Invited].

### Unmanned Aerial Vehicles

The GatorEye Unmanned Flying Laboratory main's purpose is research. However, as the Co-director I have had the opportunity to coordinate and give talks on the role of advanced sensors such as LiDAR and hyperspectral in ecological research and in monitoring of natural resources to various institutions in Peru, Costa Rica, and Brazil.

- 2018 Broadbent EN, **Angélica Almeyda Zambrano**. Workshop on advanced UAV-borne sensors: LiDAR and Hyperspectral for ecological and monitoring applications across an altitudinal gradient in the Andes-Amazon region. Forest Service (SERFOR), Peru July 3th – 8th. [Invited].
- 2017 Broadbent EN, **Angélica Almeyda Zambrano**. Workshop on drones for environmental monitoring. Secretaria Técnica Nacional Ambiental (SETENA), San Jose, Costa Rica, August 7<sup>th</sup> – 9<sup>th</sup>. [Invited].
- 2017 Broadbent EN, **Angélica Almeyda Zambrano**. Workshop on advanced sensors fusion approach and applications in drones. Laboratório de Processamento de Imagens e Geoprocessamento (Lapig,) Universidade Federal de Goiás, Goiânia, Brazil, July 10<sup>th</sup>-12<sup>th</sup>. [Invited].

#### **Land use and land cover in the Amazon**

- 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 29<sup>th</sup>

#### **PROFESSIONAL DEVELOPMENT**

- 2019 Meeting: Cross-Scales Biodiversity RCN, National Science Foundation, University of Florida May 28<sup>th</sup>-31<sup>st</sup> Co-lead on hyperspectral approached to plant biodiversity measurements
- 2016 Workshop: Reforests, Rural Lives, and Livelihoods, National Socio Environmental Synthesis Center (SESYNC), University of Maryland, MD, USA, April 18<sup>th</sup>-20<sup>th</sup>
- 2015 Module: Stream Biodiversity, Piro Biological Station, Osa Conservation, Punta Arenas, Costa Rica, May 22<sup>nd</sup>
- 2015 Module: Large cat monitoring, Piro Biological Station, Osa Conservation, Punta Arenas, Costa Rica, May 21<sup>st</sup>
- 2013 Workshop: Osa & Golfito Initiative, Woods Institute for the Environment, Stanford Univ., CA, USA, March 15<sup>th</sup> –18<sup>th</sup>
- 2008 Workshop: Poverty and Environment Network, CIFOR. Barcelona, Spain, January 8<sup>th</sup> – 12<sup>th</sup>.
- 2006 Forum: MAP VI, Madre de Dios, Peru, Acre, Brazil, & Pando, Bolivia. Cobija, Pando, Bolivia, July 20<sup>th</sup> – 22<sup>nd</sup>
- 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 17<sup>th</sup> – May 29<sup>th</sup>
- 2003 Forum: MAP IV, Madre de Dios, Peru, Acre, Brazil, and Pando, Bolivia. Epitaciolandia, 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 16<sup>th</sup> – August 4<sup>th</sup>

## POPULAR MEDIA

- 2019 “We can have conservation and development in the Amazon” January 29, UF News <http://news.ufl.edu/articles/2019/01/we-can-have-conservation-and-development-in-the-amazon.php>
- 2015 Featured on [www.ua.edu](http://www.ua.edu), [research.ua.edu](http://research.ua.edu), and [emergingscholars.ua.edu](http://emergingscholars.ua.edu) webpages, September - Ongoing
- 2015 “Birds and Climate Change” September 25<sup>th</sup>, ABC TV News– 3 minute TV segment
- 2015 “All about the Birds” September 22<sup>nd</sup>, WVUA TV News– 1 minute TV segment
- 2015 “[Calling all birds](#)” September 5<sup>th</sup>, Univ. of Alabama Research Magazine
- 2014 “[Private Reserves Support National Parks in Big Cat Conservation](#)” July 3<sup>rd</sup>, National Geographic Cat Watch
- 2008 “[Murder in the Resource Frontier](#)” March 17<sup>th</sup>, New York Times Dot Earth
- 2008 “[Amazon Environmentalist gunned down in Peru](#)” March 14<sup>th</sup>, Mongabay

## ASSOCIATE EDITOR

- Biotropica
- Journal of Park and Recreation Administration

## REVIEWER

- Biotropica
- Conservation and Society
- Human Ecology
- 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