

ANDRES I. SUSAETA

Curriculum Vitae

344 Peavy Forest Science Center
Department of Forest Engineering, Resources and Management
Oregon State University
Corvallis, OR, 97331

(Phone): 541-737-0454
(Email): andres.susaeta@oregonstate.edu

EDUCATION

- 2009 Doctor of Philosophy (Ph.D.), Forest Economics and Policy (major), Food and Resource economics (minor), University of Florida, Gainesville, FL. *Dissertation*: “Economics of forest based bioenergy in the Southern United States”
- 2005 Master of Forestry Science (M.For.Sc.), Forest Economics, University of Canterbury, Christchurch, New Zealand. Thesis: “Comparative analysis of the discounted cash flow analysis and option pricing theory for forest valuation: A Chilean case study”
- 1999 Forestry Engineer, Forest Management (major), University of Chile, Santiago, Chile

PROFESSIONAL EXPERIENCE

- 2022-present Assistant Professor, Department of Forest Engineering, Resources and Management. Oregon State University, Corvallis, OR
- 2016–2022 Research Assistant Scientist, School of Forest, Fisheries, and Geomatics Sciences University of Florida, Gainesville, FL
- 2011–2016 Postdoctoral Research Associate, School of Forest Resources and Conservation, University of Florida, Gainesville, FL
- 2010–2011 Postdoctoral Research Associate, Department of Forest Resources and Environmental Conservation Virginia Polytechnic Institute and State University (Virginia Tech), Blacksburg, VA. 2010 – 2011
- 2006–2009 Research Assistant, School of Forest Resources and Conservation, University of Florida, Gainesville, FL
- 2003–2005 Research Assistant, School of Forestry, University of Canterbury, Christchurch, New Zealand
- 2001–2003 Research Assistant, Faculty of Forest Sciences, University of Chile, Santiago, Chile
- 2000–2001 Researcher, National Center for Environment, Santiago, Chile

RESEARCH INTERESTS

Natural Resource Economics and Policy	Forest Resource Economics and Management
Uncertainty and Risk	Dynamic Optimization
Optimal Control Theory	Nonmarket Valuation
Wildlife Economics	

JOURNAL PUBLICATIONS (56) (* senior authorship not assigned; ** advisee)

- 2023 Klyzentyte, K. **, **Susaeta, A.**, Stein, T., Adams, D. Recreation area characteristics and their impact on property values within Florida’s Wekiva River System. *Society & Natural Resources*. Forthcoming.
- 2023 Leite-Morales, A., Rossato, F., **Susaeta, A.**, Binotto, E., Malafaia, G., de Azevedo, D. Environmental impacts in integrated production systems: an overview. *Journal of Cleaner Production* 420, 138400.

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- 2023 Zadmirzaei, M., Hasanzadeh, F., **Susaeta, A.**, Gutiérrez, E. A novel integrated Fuzzy DEA-artificial intelligence approach for assessing environmental efficiency and predicting CO2 emissions. *Soft Computing*. <https://doi.org/10.1007/s00500-023-08300-y>.
- 2023 Amirteimoori, A., Banker, R., Zadmirzaei, M., **Susaeta, A.** Managerial ability and productivity growth in the European forest sector. *European Journal of Forest Management* 142, 1–15
- 2023 **Susaeta, A.** Optimal Forest management of even-aged longleaf pine stands with nontimber benefits. *Journal of Agricultural and Applied Economics* 55, 1–12.
- 2023 **Susaeta, A.**, Carney, T^{**}. Optimal regimes of prescribed burning in forest plantations in the presence of risk of wildfires in the southeastern United States. *Forest Policy and Economics* 151, 102956.
- 2023 Carney, T. ^{**}, Williams, R., Kapellusch, Crandall, R., **Susaeta, A.**, Adams, D. Fanning the flames of cooperation: a collective action approach to prescribed fire agreements. *Environmental Challenges* 10, 100676.
- 2023 **Susaeta, A.**, Sharma, A., Klizentyte, K., Adams, D. Economic analysis of uneven-aged forest management in the southeastern United States. *Canadian Journal of Forest Research* 53, 38–47.
- 2022 Koirola, U. ^{**}, Adams, D., **Susaeta, A.**, Akande, E. Value of a flexible forest harvest decision with short period carbon offsets: application of a binomial option model. *Forests* 3(11), 1785.
- 2022 Hyde, W., Morales Olmos, V., Robalino, J., da Gama e Silva, Z., **Susaeta, A.**, Yin, R. Latin America: a regional perspective on its forest policy and economics. *Forest Policy and Economics* 141, 102760.
- 2022 Oluoch, S^{**}, Lal, P., **Susaeta, A.**, Mugabo, R., Masozera, M., Aridi, J. Public preferences for renewable energy options: a choice experiment in Rwanda. *Frontiers in Climate* 4, 874753.
- 2022 **Susaeta, A.**, Fill, J., Crandall, R., Morgan, V. Hidden costs of fire exclusion in longleaf pine forests linked to duff and carbon management. *Journal of Forestry*, fvac009.
- 2021 **Susaeta, A.**, Klyzentyte, K^{**}, Sharma, A., Adams, D. Can uneven-aged management improve the economic performance of longleaf pine? *Canadian Journal of Forest Research* 51(9), 1307–1315.
- 2021 **Susaeta, A.**, Alavalapati, J. Forest ownership, management, and water production in longleaf pine forests: A stochastic frontier analysis. *Forest Science* 67(2), 145–155.
- 2021 **Susaeta, A.**, Rossato, F. Efficiency of pulp and paper industry in the production of pulp and bioelectricity in Brazil. *Forest Policy and Economics* 128, 102484.
- 2021 Oluoch, S^{**}, Lal, P., Wolde, B., **Susaeta, A.**, Soto, J., Smith, M., Adams, D. Public preferences for longleaf pine restoration programs in the southeastern United States. *Forest Science* 67(3), 265–274.
- 2021 Oluoch, S^{**}, Lal, P., **Susaeta, A.**, Wolde, B. Public preferences for renewable energy options: a choice experiment in Kenya. *Energy Economics* 98, 105256.
- 2021 Oluoch, S^{**}, Lal, P., **Susaeta, A.** Investigating factors affecting renewable energy consumption: a panel data analysis in sub-Saharan Africa. *Environmental Challenges* 4, 100092.
- 2021 Shephard, N^{**}, Joshi, O., **Susaeta, A.**, Will, R. A stand application of efficiency analysis to understand efficacy of fertilization and thinning with drought in a loblolly plantation. *Forest Ecology and Management* 482, 118855.
- 2020 Halbritter, A., Deegen, P., **Susaeta, A.** An economic analysis of thinnings and rotation lengths in the presence of natural risks in even-aged forest stands. *Forest Policy and Economics* 118, 102223.
- 2020 Oluoch, S. ^{**}, Lal, P., **Susaeta, A.**, Vedwan, N. Assessment of public awareness, acceptance and attitudes towards renewable energy in Kenya. *Scientific African* 9, e00512.
- 2020 **Susaeta, A.** 2020. Implications of future risk of fusiform rust on optimal forest management of even-aged slash pine plantations. *Forest Policy and Economics* 116, 102183.
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- 2020 **Susaeta, A.**, Gong, P., Adams, D. Implications of the reservation price strategy on the optimal harvest decision and production of non-timber goods in an even aged forest stand. *Canadian Journal of Forest Research* 50(3), 287–296.
- 2020 Gong, P., **Susaeta, A.** Impacts of forest tax under timber price uncertainty. *Forest Policy and Economics* 111, 102030.
- 2020 Adams, D^{*}, **Susaeta, A^{*}**, Soto, J., Rossi, F., Carton de Grammont, P., Messina, W., Koch, F., Gomez, D., Hulcr, J. A bioeconomic model for estimating potential economic damages from a hypothetical Asian beetle introduced via future trade with Cuba. *Journal of Bioeconomics* 22, 33–58.
- 2019 **Susaeta, A.**, Gong, P. Optimal harvest strategy for even-aged stands with price uncertainty and risk of natural disturbances. *Natural Resource Modeling* e12211.
- 2019 **Susaeta, A.**, Gong, P. 2019. *Corrigendum* to Economic viability of longleaf pine management in the southeastern United States. *Forest Policy and Economics* 106, 101969.
- 2019 **Susaeta, A.**, Gong, P. Economic viability of longleaf pine management in the Southeastern United States. *Forest Policy and Economics* 100, 14–23.
- 2019 **Susaeta, A.**, Sancewich, B., Adams, D., Moreno, P^{**}. Ecosystem services production efficiency of longleaf pine under changing weather conditions. *Ecological Economics* 156, 24–34.
- 2018 **Susaeta, A.**, Lal, P. Impacts of climate change and bioenergy markets on the profitability of slash pine pulpwood production in the Southeastern United States. *Forests* 9(20), 656.
- 2018 Rossato, F^{**}, **Susaeta, A.**, Adams, D., Hidalgo, I., De Araujo, T., Queiroz, A. Comparison of revealed comparative advantage indexes with application to trade tendencies of cellulose production from planted forests in Brazil, Canada, China, Sweden, Finland and the United States. *Forest Policy and Economics* 97, 59–66.
- 2018 **Susaeta, A.** On Pressler’s indicator rate formula under the generalized Reed model. *Journal of Forest Economics* 30, 32–37.
- 2017 **Susaeta, A.**, Adams, D., Soto, J., Hulcr, J. Expected timber-based economic impacts of a wood-boring beetle (*Acanthotomicus* sp.) that kills American sweetgum. *Journal of Economic Entomology* 110(4), 1942–1945.
- 2017 **Susaeta, A.**, Adams, D., Gonzalez-Benecke, C. Economic vulnerability of Southern US slash pine forests to climate change. *Journal of Forest Economics* 28(1), 18–32.
- 2017 **Susaeta, A.**, Adams, D., Gonzalez-Benecke, C. Economic feasibility of managing loblolly pine forests for water production under climate change in the Southeastern United States. *Forests* 8(3), 83.
- 2016 **Susaeta, A.**, Soto, J., Adams, D., Hulcr, J. Pre-invasion economic assessment of ambrosia beetle X on loblolly pine forests in the Southeastern United States. *Journal of Environmental Management* 183(3), 875–881.
- 2016 **Susaeta A.**, Soto, J., Adams, D., Allen, D. Economic sustainability of payments for water yield in slash pine plantations in Florida. *Water* 8(9), 382.
- 2016 **Susaeta A.**, Adams, D., Carter, D., Gonzalez-Benecke, C., Dwivedi, P. Technical, allocative, and total profit efficiency of loblolly pine forests under changing climatic conditions. *Forest Policy and Economics* 72, 106–114.
- 2016 **Susaeta, A.**, Adams, D., Carter, D., Dwivedi, P. Climate change and ecosystem services output efficiency in southern natural loblolly pine forests. *Environmental Management* 58(3), 417–430.
- 2016 **Susaeta A.**, Carter, D., Chang, SJ., Adams, D. A generalized Reed model with application to wildfire risk in even-aged Southern United States pine plantations. *Forest Policy and Economics* 67, 60–69.
- 2016 Dwivedi, P., Khanna, M., Sharma, A., **Susaeta A.** Efficacy of carbon and bioenergy markets in mitigating carbon emissions on reforested lands: a case study from Southern United States. *Forest Policy and Economics* 67, 1–9.

- 2014 **Susaeta, A.**, Peter, G., Hodges, A., Carter, D. Oleoresin tapping of planted slash pine (*Pinus elliottii* Engelm. var. *elliottii*) adds value and management flexibility to landowners in the Southern United States. *Biomass and Bioenergy* 68, 55–61.
- 2014 Lal, P., Alavalapati, J., **Susaeta, A.** Impact of bioenergy markets on the future of Southern United State forests. *Middle States Geographer* 47, 26–47.
- 2014 **Susaeta A.**, Carter, D., Adams, D. Sustainability of forest management under changing climatic conditions in the Southern United States: adaptation strategies, economic rents and carbon sequestration. *Journal of Environmental Management* 139, 80–87.
- 2014 **Susaeta A.**, Carter, D., Adams, D. Impacts of climate change on economics of forestry and mitigation strategies in the United States South. *Journal of Agricultural and Applied Economics* 46(2), 257–272.
- 2014 **Susaeta, A.**, Chang, S.J., Carter, D., Lal, P. Economics of carbon sequestration under fluctuating economic environment, forest management and technological changes: an application to forest stands in the Southern United States. *Journal of Forest Economics* 20(1), 64–76.
- 2014 Gonzalez-Benecke, C., **Susaeta, A.**, Jokela, E., Martin, T., Carter, D. Ecological, silvicultural and economic considerations for sustainable forest floor management in *Pinus elliottii* stands. *Forest Science* 60(1), 109–118
- 2013 **Susaeta, A.**, Lal, P., Alavalapati, J., Carter, D. Modeling the impacts of bioenergy markets on the forest industry in the Southern United States. *International Journal of Sustainable Energy* 32(6), 544–561.
- 2012 **Susaeta, A.**, Lal, P., Carter, D., Alavalapati, J. Modeling nonindustrial private forest landowner behavior in face of wood bioenergy markets. *Biomass and Bioenergy* 46, 419–428.
- 2012 **Susaeta, A.**, Gonzalez-Benecke, C., Carter, D., Jokela, E., Martin, T. Economical sustainability of pinestraw raking in slash pine stands in the Southeastern United States. *Ecological Economics* 80, 89–100.
- 2012 **Susaeta, A.**, Lal, P., Alavalapati, J., Mercer, E., Carter, D. Economics of intercropping loblolly pine and switchgrass for bioenergy markets in the Southeastern United States. *Agroforestry Systems* 86(2), 287–298.
- 2011 Lal, P., Alavalapati, J., Marinescu, M., Dwivedi, P., **Susaeta, A.** Developing sustainability indicators for woody biomass harvesting in the United States. *Journal of Sustainable Forestry* 30(8), 736–755.
- 2011 **Susaeta, A.**, Lal, P., Alavalapati, J., Mercer, E. Random preferences towards bioenergy environmental externalities: a case study of woody biomass based electricity in the Southern United States. *Energy Economics* 33(6), 1111–1118.
- 2010 **Susaeta, A.**, Alavalapati, J., Lal, P., Matta, J. Assessing public preferences for forest biomass based energy in the Southern United States. *Environmental Management* 45(4), 697–710.
- 2009 **Susaeta, A.**, Alavalapati, J., Carter, D. Modeling impacts of bioenergy markets on nonindustrial private forest management. *Natural Resource Modeling* 22(3), 345–362.
- 2009 Dwivedi, P., Alavalapati, J., **Susaeta, A.**, Stainback, A. Impact of carbon value on the profitability of slash pine plantations in the Southern United States: an integrated life cycle and Faustmann analysis. *Canadian Journal of Forest Research* 39(5), 990–1000.

MANUSCRIPTS IN PREPARATION

Public preferences and perceptions for ecosystem services in Aysen Forests, Chile. With Moreno, P., (University of Geneva, Italy, Patagonian Ecosystem Investigation Research Center, Chile), and Cerda C. (University of Chile).

The evolution process of forest conservation easements into an entrepreneurial option. With Deegen, P. (Dresden Technological University).

Cattle ranchers, deer hunters, and the Florida Panther—can we all live at peace? With Jensen, F, Melby, H, (University of Copenhagen).

A bioeconomic model for wiregrass production in longleaf pine forests. With Carney, T, Crandall, R, and Adams, D (University of Florida).

Recreation opportunities and residential property values: a hedonic price approach. With Klyzentyte, K, Stein T, Adams, D (University of Florida).

EXTENSION PUBLICATIONS (4)

- 2021 **Susaeta, A.** 2021. The timber value of an existing forest stand. University of Florida-IFAS, EDIS FOR366. Gainesville, FL.
- 2020 **Susaeta, A., Demers C.** 2020. Determining the net present value of timber investments and comparing investments of different rotations. University of Florida-IFAS, EDIS FOR352. Gainesville, FL.
- 2020 **Susaeta, A., Demers C.** 2020. The optimal forest management of an even-aged stand: the biological rotation versus the land expectation value. University of Florida-IFAS, EDIS FOR355. Gainesville, FL.
- 2020 **Susaeta, A., Demers C.** 2020. What is the value of an existing forest stand? University of Florida-IFAS, EDIS FOR354. Gainesville, FL.

TECHNICAL REPORTS AND BOOK CHAPTERS (9)

- 2022 Shepard, N., **Susaeta, A.**, Joshi, O., Will, R. Exploring economics of loblolly pine management in drought using efficiency analysis. In: Willis, John L. Self, A., Siegert, C., (eds.) *Proceedings of the 21st Biennial Southern Silvicultural Research Conference*, USDA-Forest Service, General Technical Report SRS-268. Asheville, NC. pp 98–99.
- 2020 Gong, P., **Susaeta, A.** Forest taxation and optimal reservation prices. In: Hujala T., Lahtinen, K., Malkamaki, A., Pynnonen, S., Topinnen, A., (eds). *Proceedings of the IUFRO WG 5.10.00 & Scandinavian Society of Forest Economics (SSFE)*, 28-30 September 2020. 96 p.
- 2015 **Susaeta, A.**, Adams, D., Carter, D., Dwivedi, P. Impact of climate change on the efficiency of ecosystem services provision in loblolly pine forests. Pine Integrated Network Education, Mitigation, and Adaptation (PINEMAP) project year 4 annual report, March 2014-February 2015: *Mapping the future of southern pine management in a changing world*. USDA National Institute of Food and Agriculture, Award # 2011-68002-30185.
- 2014 **Susaeta, A.**, Carter, D., Chang, SJ., Adams, D. Economics of climate change in even-aged forest management. Pine Integrated Network Education, Mitigation, and Adaptation (PINEMAP) project year 3 annual report, March 2013-February 2014: *Mapping the future of southern pine management in a changing world*. USDA National Institute of Food and Agriculture, Award # 2011-68002-30185.
- 2014 Ranjan, A., Lal, P., **Susaeta, A.** Metro rail Delhi metro rail travel behavior analysis: Impact of individual and trip behavior. In: Dutt, A. K., Noble, A.G., Costa, F.G., Thakur, S.K. and H. S. Sharma (eds). *Spatial diversity and dynamics in resources and urban development* (Regional Resources - Volume I), Netherlands: Springer.
- 2013 **Susaeta, A.**, Carter, D., Chang, SJ., Adams, D. A generalized carbon sequestration and hurricane risk model to determine the optimal harvest age in southern pine plantations. Pine Integrated Network Education, Mitigation, and Adaptation (PINEMAP) project year 2 annual report, March 2012-February 2013: *Mapping the future of southern pine management in a changing world*. USDA National Institute of Food and Agriculture, Award # 2011-68002-30185.
- 2013 Alavalapati, J., Lal, P., **Susaeta, A.**, Abt, R. Forest biomass-based energy. In: Wear, D., and Greis, J. (eds). *Southern Future Forest Project: a technical report*, USDA-Forest Service, General Technical Report SRS-GTR-178. Asheville, NC: Southern Research Station. 542 p.

- 2010 Alavalapati, J., **Susaeta, A.**, Amacher, G., Mehmood, S., Smith, W. Sustainability of nonindustrial private forest (NIPF) landowner. Biomass incentives and forest sustainability (BIFS) technical report, USDA/DOE.
- 2009 Alavalapati, J. R. R., Hodges, A., Lal, P., Dwivedi, P., Rahmani, M., Kaufer, I., Matta, J. R., **Susaeta, A.**, Kukrety, S., and T. J. Stevens. Bioenergy roadmap for Southern United States. Southeast Agriculture & Forestry Energy Resources Alliance (SAFER), Southern Growth Polices Board, North Carolina.

PROFESSIONAL PRESENTATIONS (61)

- 2023 Bohora Schlickmann, M., Alessandro Karasinski, Mauro., Klauberg, C., Donovan, V., Qiu, J., Valle, D., Vogel, J., Sharma, A., Atkins, J., Susaeta, A., Rocha, K., Xia, J., Hudak, A., Vieira Leite, R., Silva, C. Mapping Aboveground Biomass in Forested Areas Impacted by Hurricane Ian in Florida: Fusion of NASA's GEDI and Sentinel Data. Oral presentation. Silvilaser 2023. London, England.
- 2023 Carney, T., Kreye, M., Adams, D., Mallinger, R., Hendrick, L., **Susaeta, A.** Power to the pollinators: a stated preference study of Florida residents to protect pollinators. Oral presentation. Entomological Society of America, National Harbor. Maryland, November 2023.
- 2023 Carney, T., Kreye, M., Adams, D., Mallinger, R., Hendrick, L., **Susaeta, A.** Power to the pollinators: a stated preference study of Florida residents to protect pollinators. Oral presentation. Entomological Society of America, National Harbor. Maryland, November 2023.
- 2023 **Susaeta, A.**, Chang, S.J. 2023. The impact of property taxation on urban and timber investments. International. Oral presentation Seventh International Faustmann Symposium. Christchurch, New Zealand, April 1-3.
- 2023 Rahman, H., Naito, D., Moeliono, M., Mitani, Y., **Susaeta, A.** Do oil palm and rubber production contribute to deforestation in Indonesia and Malaysia? Oral presentation, The 11th Asian Society of Agricultural Economists. Toyo, Japan. March 17-20.
- 2023 Cheng, H., Joshi, O., **Susaeta, A.**, Soto, J., Kadam, P. Landowner's preference for sustainable forest management in the Cross-Timbers Region. Oral presentation. Southern Agricultural Economic Association annual meeting. February 6. Oklahoma City, Oklahoma.
- 2022 Joshi, O., Cheng, J., soto, A., Ssueta, A. Exploring landowner interest in active management in the forested region of Cross-timbers. Poster presentation. Ouachita Society of American Foresters annual Meeting. Pocola, Oklahoma. November 9-November 10.
- 2022 Carney, T., Williams, R.J., Kapellusch, T., Crandall, R., **Susaeta, A.**, Adams, D.C. Fanning the flames of cooperation: a collective action approach to prescribed fire agreements. Oral presentation, Florida Division of Society of American Foresters and University of Florida. October 12. Gainesville, Florida.
- 2022 Carney, T., Williams, R.J., Kapellusch, T., Crandall, R., **Susaeta, A.**, Adams, D.C. Fanning the flames of cooperation: a collective action approach to prescribed fire agreements. Oral presentation, Forests & Livelihoods: Assessment, Research, and Engagement. October 9, Rome, Italy.
- 2022 Carney, T., Williams, R.J., Kapellusch, T., Crandall, R., **Susaeta, A.**, Adams, D.C. Fanning the flames of cooperation: a collective action approach to prescribed fire agreements. Oral presentation, Society of American Foresters. Baltimore, Maryland. 23 September 2022.

- 2022 **Susaeta, A.**, Jensen, F., Meilbye, H. An empirical predator-prey model: the case of Florida panthers, deer and cattle. World Congress on Natural Resource Modeling. Oral presentation. June 16. Leipzig, Germany.
- 2022 **Susaeta, A.**, Sharma, A., Silva C. An integrated bioeconomic model for wildfire risk, surrounding forest management and tradeoffs of ecosystem services in the DeLuca Preserve. 4th Annual Symposium: Collaborations in Biodiversity Research. Oral presentation. University of Florida. May 2. Gainesville, Florida.
- 2022 **Susaeta, A.** Effects of forest management and ownership on the production of water in longleaf pine forests: a stochastic frontier analysis. Oral presentation. University of Florida. April 7. Gainesville, Florida.
- 2022 **Susaeta, A.** Policy and Economic approaches for valuing ecosystem services. Oral presentation. University of Florida. April 8. Gainesville, Florida.
- 2021 **Susaeta, A.** Valuation of ecosystem services. Oral Presentation. Patagonian Ecosystems Investigation Research Center. November, 19. Virtual meeting.
- 2021 Koirala, U., Reaver, N., Hass, H., **Susaeta, A.**, Adams, D., Kaplan, D., Kalin, L., Graham, W. Economics of managing southern pine to meet timber, non-timber forest products, and ecosystem services demands. Oral presentation. The Society of American Foresters. November 4. Virtual meeting.
- 2021 Carney, T., **Susaeta, A.**, Kapellusch, T., Crandall, R. Bioeconomic modeling for management scenarios for wiregrass production. Poster presentation. The Society of American Foresters. November 4. Virtual meeting.
- 2021 **Susaeta, A.** Adaptive harvest decisions with stochastic process and nontimber benefits in even-aged longleaf pine stands. Oral presentation. Stephen F. Austin State University. May 17. Nacogdoches, Texas.
- 2021 **Susaeta, A.** Wildfire risk and optimal regimes of prescribed burning in southern forest plantations. Oral presentation. The International Society of Forest Economics. May 18-19. Virtual meeting.
- 2020 Klizentyte, K., **Susaeta, A.**, Sharma, A., Adams, D. Economic tradeoffs of even-aged and uneven-aged longleaf pine management. Oral presentation. The Society of American Foresters. October 29-31. Virtual meeting.
- 2020 **Susaeta, A.** 2020. Impacts of forest tax under timber price uncertainty. Oral presentation. Forest Taxation Research and Extension Working Group. October 2. Virtual meeting.
- 2020 **Susaeta, A.**, Gong, P. Forest taxation and optimal reservation prices. Oral presentation. Scandinavian Society of Forest Economics. September 28-30. Helsinki, Finland.
- 2020 Peter, G., Silva, C., Qui, J., **Susaeta A.** Scalable geographical databases for dynamic modeling of wood fiber supply and supply chain risk. Oral presentation for International Paper. September 18. Gainesville, Florida.
- 2019 Halbritter, A., **Susaeta, A.**, Deegen, P. The economics of forest thinnings and rotation length under forest wildfire risks. Oral presentation. Sixth International Faustmann symposium. October 7-9. Darmsdat, Germany.
- 2019 **Susaeta, A.** Adaptive harvest strategies and natural disturbances. Oral presentation, Institute of Forest Economics and Forest Management Planning, TU Dresden. May 28. Dresden, Germany.
- 2019 Adams, D., **Susaeta, A.**, Dwivedi, P., Lal, P., Soto, J., Kreye, M., Klizentyte, L. Ecosystem service tradeoffs, landowner incentives, and optimal policy design to promote sustainable longleaf pine agroecosystems. Poster Presentation. Austin Cary Forests, University of Florida. April 1. Gainesville, Florida.

- 2018 **Susaeta, A.** Economics of longleaf pine forests with price uncertainty and non-timber benefits in the Southeastern United States. Oral presentation. The Society of American Foresters. October 5. Portland, Oregon.
- 2018 Koirala, U., **Susaeta, A.**, Adams, D. The effects of non-timber ecosystem services on economically optimal forest management. Oral presentation. Society of American Foresters Convention. October 5, Portland, Oregon.
- 2018 **Susaeta, A.** Ecosystem services production efficiency of longleaf pine forests under climate change. Oral presentation. Water Institute, University of Florida. August 4. Gainesville, Florida.
- 2018 Adams, D., Vogel, J., **Susaeta, A.**, Cohen, M. The value of ecosystem services: Ordway-Swisher forest water yield as an example case. Oral presentation. Collaborations in Biodiversity Research, Symposium. May 7-8. Gainesville, Florida.
- 2018 Adams, D., **Susaeta, A.**, Rossi, F. Economic impacts of forest threats. Oral presentation. Florida Society of American Foresters 45th Spring Symposium. May 3. Gainesville, Florida.
- 2018 Gong, P., **Susaeta, A.** Price uncertainty and risk of natural disasters: optimal harvest decision for even-aged stands. Oral presentation. The Biennial Meeting of the Scandinavian Society of Forest Economics. May 22-25. Helsingore, Denmark.
- 2018 Rossato, F., **Susaeta A.**, Suarez Campoli, J., Hidalgo, I., Casale, F., 2018. Development and sustainable challenges: bioelectricity from pulp industry. Poster presentation. Sixth Annual International on Sustainable Development. September 26-28. Columbia University. New York, New York.
- 2017 **Susaeta, A.** 2017. Optimal harvest strategy for even-aged stands with price uncertainty and risk of natural disturbances. Oral presentation. Warnell School of Forestry and Natural Resources, University of Georgia. October 9. Athens, Georgia.
- 2017 Adams, D., **Susaeta, A.** New frontiers in forest economics and policy. Oral Presentation. PINEMAP forest research and decision support tool rollout. May 16- 17. Athens, Georgia.
- 2017 Adams, D., **Susaeta, A.**, Ober, H., Cohen, M, Gonzalez-Benecke, C., Soto, J.R. Removing a key barrier to the use of a critical climate change mitigation tool: Economic modeling of longleaf pine market value and ecosystem services. Poster presentation. Poster presentation. 2017 Annual FAES Research Awards Ceremony, May 16. Gainesville, Florida.
- 2017 Soto, J.R., Adams, D.C., Hulcr, J., Koch, F.C., and **Susaeta, A.** Trade-dependent framework for assessing the arrival and economic impacts of invasive species: the case of the Asian ambrosia beetle and how it applies to the Cuban context. Oral presentation. VIII Seminario Científico Internacional de Sanidad Vegetal 2017. April 10-15. Havana, Cuba.
- 2016 **Susaeta, A.**, Adams, D.C., Soto, J.R., and Allen, D. Economic sustainability of payments for water yield in slash pine plantations in Florida. Poster presentation. Society of American Foresters National Meeting, November 3-5. Madison, Wisconsin.
- 2016 Allen, D., Adams, D.C., **Susaeta, A.**, Soto, J.R. The economic sustainability of water yield payments in southern pine forests. Oral presentation. Society of American Foresters National Meeting, November 5. Madison, Wisconsin.
- 2016 **Susaeta A.**, Adams, D. 2016. Forest markets trends in the southeast. Oral Presentation. Florida Forest Service workshop, Timber Sales Basics and Market Trends, June 16. Lake City, Florida.
- 2016 **Susaeta A.**, Adams, D., Soto, J. 2016. Forest markets trends in the southeast. Oral Presentation. Florida Forest Service workshop, The Value of Water in your Forests, June 16. Lake City, Florida.

- 2016 **Susaeta A.**, Adams, D., Carter, D., Gonzalez-Benecke, C., Dwivedi, P. Economic efficiency of loblolly pine forests under changing climatic conditions. Poster presentation. 2016 PINEMAP Annual Meeting. May 24-26. Athens, Georgia.
- 2016 Soto, J., Adams, D., **Susaeta, A.**, Hulcr, J., Koch, F.. Potential establishment and economic assessment of ambrosia beetles (Coleoptera: Curculionidae): where, how many, and the economic impact on the US loblolly pine industry. Oral presentation. 2016 North American Forest Insect Work Conference. June 3. Washington, D.C.
- 2015 **Susaeta A.**, Adams, D., Carter, D., Gonzalez-Benecke, C., Dwivedi, P.. Efficiency in the provision of ecosystem services under climate change in southern United States forestlands. Poster presentation. New Frontiers of Forest Economics. August 17-23. Peking University, Beijing, China.
- 2015 Adams, D., **Susaeta A.** Efficiency of ecosystem services production in loblolly forests with climate change. Oral presentation. Society of American Foresters National Convention. November 6th. Baton Rouge, Louisiana.
- 2015 Adams, D., **Susaeta A.**, Carter, D. Economics of forest management with climate change risks. Oral presentation. Growing Pines in Changing Times. April 21. Tifton, Georgia.
- 2014 **Susaeta, A.**, Carter, D., Adams, D. Sustainability of slash pine forest stands in the southern United States under climate change. Poster presentation. 2014 IUFRO World Congress. October 5-11. Salt Lake City, Utah.
- 2013 **Susaeta, A.**, Carter, D., Adams, D. Impacts of climate change on economics of forestry and mitigation strategies in the United States South. Poster presentation. 2013 PINEMAP Annual Meeting. April 24-26. Athens, Georgia.
- 2013 Alavalapati, J., **Susaeta, A.**, Lal, P., Carter, D. Modeling the impacts of bioenergy markets on the forest industry in the Southern United States. Oral presentation. Society of American Foresters National Convention, October 23-27. North Charleston, South Carolina.
- 2013 **Susaeta, A.**, Carter, D., Adams, D. Economics of climate change in even-aged forest management. Poster presentation. 3rd IUFRO Latin American Congress- Forest, Competitiveness and Sustainable Landscapes. June 12-15. San Jose, Costa Rica.
- 2012 **Susaeta, A.**, Carter, D., Chang, S.J. A generalized economic model for carbon sequestration: Implications for sustainability of forestlands in the U.S. South. Poster presentation. International Conference on Sustainable Forest Management-The 2nd Forest Science Forum. October 13-16. Beijing, China.
- 2012 **Susaeta A.**, Chang, S.J. The impact of hurricane risk on optimal forest management in southern U.S. pine plantations: Application of a generalized Reed model. Oral presentation. 4th International Faustmann Symposium. September 10-12. Saariselkä, Finland.
- 2012 Lal, P., **Susaeta, A.**, Alavalapati, J. Modeling bioenergy and traditional forest industry tradeoffs in the Southern United States. Modeling the future of Southern U.S. forests in face of bioenergy Markets, Oral presentation. Association of American Geographers Annual Meeting, February 24-28. New York.
- 2010 Alavalapati, J., Lal, P., **Susaeta, A.**, Abt, R. Bioenergy meta theme- findings. Oral presentation. United States Forest Service Southern Forests for Future Project Meeting, July 27-29. Atlanta, Georgia.
- 2010 Alavalapati, J., O. Banerjee, Dwivedi, P., Huang, M., Kukrety, S., Lal, P., **Susaeta, A.** Lessons learned from quantitative analyses of forest bioenergy markets. Oral presentation. IUFRO 2010 Congress. August 23-28, Seoul, South Korea.

- 2010 **Susaeta, A.** Forest biomass based bioenergy production in the Southern United States: an economic analysis. Oral presentation. Center for Environmental and Resource Economics (CERE), Umea University, March 9. Umea, Sweden.
- 2010 Alavalapati, J., **Susaeta, A.** Bioenergy and Meta Issues: Progress and Future Plans. Oral presentation. Southern Future Forest Project Meeting. February 22-24. Atlanta, Georgia.
- 2009 **Susaeta, A.** Economics of forest biomass based bioenergy in the southern United States. Oral presentation. School of Forest Resources and Conservation, University of Florida, November 30. Gainesville, Florida.
- 2008 Alavalapati, J., Hodges, A.W. Lal, P., Dwivedi, P., **Susaeta, A.**, Kaufer, I. Southern bioenergy roadmap inventory. Oral presentation. Biomass South 2008. Sept 21-23. Raleigh, North Carolina.
- 2008 Alavalapati, J., Hodges, A.W. Lal, P., Dwivedi, P., **Susaeta, A.**, Kaufer, I. Southern bioenergy roadmap. Oral presentation. Southern Bioenergy Roadmap Stakeholder Meeting, Aug 4-5. Memphis, North Carolina.
- 2007 **Susaeta, A.**, Alavalapati, J., Carter, D., Mehmood, S. Impacts of bioenergy markets on non-industrial private forest management in the Southeastern USA. Oral presentation. Society of American Foresters Annual Convention. October 23-26. Portland, Oregon.

FUNDED RESEARCH (12 Grants; Total \$7 M)

- 2016-2017 UF-IFAS-seed grant (\$145,660). Removing a key barrier to the use of a critical climate change mitigation tool: economic modeling of longleaf pine market value and ecosystem services. Co-PI with Adams, D., Soto, J., Ober, H., et al.
- 2016-2018 USGS (\$48,129). Agricultural water security through sustainable use of the Floridan aquifer. Collaborator with Adams, D., Kaplan, et al Kaplan, Adams, et al.
- 2017-2018 UF-seed grant (\$116,352). Ecosystem service tradeoffs and management dynamics in restored ecosystems. Co-PI with Vogel, J., Adams, D., et. al.
- 2017-2019 USDA-National Institute of Food and Agriculture (\$500,000). Ecosystem service tradeoffs, landowner incentives, and optimal policy design to promote sustainable Longleaf Pine agroecosystems. Co-PI with Adams, D., Lal, P., Dwivedi, P., Soto, J.
- 2017-2022 USDA- National Institute of Food and Agriculture (\$5,000,000). Agricultural water security through sustainable use of the Floridan aquifer: an integrated assessment of economic and environmental impacts. Co-PI with Graham, W., Kaplan, D., Adams, D., et al.
- 2020 UF/IFAS International Travel Award (\$3000). Economic valuation of ecosystem services in Patagonian forests, Aysen Region of Chile, PI with Moreno, P.
- 2021-2024 USDA- National Institute of Food and Agriculture (\$500,000). Economics of active land management prescriptions in Cross-Timbers region. Co-PI with Joshi, O., Soto, J.
- 2021-2022 UF-IFAS-jumpstart grant (\$78,247). An integrated bioeconomic model for wildfire risk, surrounding forest management and tradeoffs of ecosystem services in the Deluca Preserve. PI with Silva, C., Sharma, A.
- 2022-2023 UF-IFAS Florida Climate Institute Award (\$5,000). Public preferences for ecosystem services in Patagonian forests, Aysen Region of Chile, PI with Moreno, P., Cerda, C.
- 2023-2024 USDA-Forest Service-Landscape Scale Restoration (\$21,300). Where is all the timber going? Analysis of the timber supply chain in the U.S. South. Co-PI with Zhang, X. McConnell, E., Guo, J., Adams, T.
- 2023-2024 USDA-Forest Service (\$443,199). EMS4D: multi-scale fuel mapping and decision support system for next generation of fire management. Co-PI with Silva, C. Hudak, A.

- 2024-2027 USDA- National Institute of Food and Agriculture (\$644,679). Natural disasters and optimum mix of policy instruments for sustainable nonindustrial private forest management in the Southeastern. PI with Soto, J, Guo, J. In review.
- 2023-2025 USDA-National Institute of Food and Agriculture (\$647,895). Efficiency, supply-chain dynamics, and social acceptance of carbon-based forest management on marginal lands. Co-PI with Joshi, O, Lambert, L, Rodney, Will, DeSantis, R.

TEACHING EXPERIENCE

Oregon State University (Instructor)

- Winter FOR 329: Forest Resource Economics I
- Spring FOR 330: Forest Resource Economics II
FOR 541: Economics of the Forest Resource (odd yrs)
FOR 531: Economics and Policy of the Forest Wildland Fire (even yrs)

University of Florida (*Instructor, **Teaching Assistant, Guest Lecturer***)

- Fall 2019-2020 FOR 4621/5626: Forest Economics and Management*
- Fall 2016; Fall 2018; Spring 2021 FOR 6905: Forest Economics Models*
- Fall 2016-Spring 2017 FOR4934/FOR6934: Running with Nature*
- Spring 2016-2018; Spring 2019*** FNR 4623. Integrated Natural Resources Management*
- Spring 2014; Summer 2020-2021 FOR 6543: Natural Resource Economics and Valuation*
- Fall 2009 FNR 4660: Natural Resource Policy and Administration**

Dresden University of Technology Germany

- Summer 2019 Economics and Management of Forest Resources***

GRADUATE STUDENT/POSTDOCTORAL MENTORSHIP (OSU= Oregon State University; UG= University of Geneva, Italy; UF=University of Florida; MSU=Montclair State University; OKS=Oklahoma State University; UC=University of Campinas, Brazil; TU= Dresden Technological University, Germany; *non-thesis)

Student	Degree-Institution	Role	Major	Grad. date
Gang Lu	Postdoc-OSU	Supervisor		2025
Hsu Kyaw	PhD-OSU	Co-Chair	Sustainable Forest Management	2026
Emeka Okolo	MS-OSU	Chair	Sustainable Forest Management	2025
Freddy Ballen	PhD-UF	Member	Forest Resources and Conservation	2024
Hermu Hermudananto	PhD-UF	Member	Natural Resources and Environment	2023
Tyler Carney	PhD-UF	Co-Chair	Forest Resources and Conservation	2023
Kotryna Klyzentyte	PhD-UF	Member	Forest Resources and Conservation	2022
Kay Wilcox	PhD-UF	Member	Soil and Water Sciences	2020
Sydney Oluoch	PhD-MSU	Member	Environmental Management	2020
Unmesh Koirola	PhD-UF	Member	Forest Resources and Conservation	2020
Fabricia Rossatto	PhD-UC	Member	Production Engineering	2019
Abhiram Maturi	Masters's*-UF	Chair	Forest Resources and Conservation	2024
Miranda Mila	Masters's*-UF	Chair	Forest Resources and Conservation	2022
Hannah Gilpatrick	Masters's*-UF	Chair	Forest Resources and Conservation	2022
Stephanie Stoutamire	Masters's*-UF	Chair	Forest Resources and Conservation	2022
Latisa Ledbetter-Kish	Masters's*-UF	Member	Forest Resources and Conservation	2022

Ariel Bushel	Masters's*-UF	Member	Forest Resources and Conservation	2022
Mitchell Holmes	Masters's*-UF	Chair	Forest Resources and Conservation	2021
Noah Shepard	Masters's-OKSU	Member	Natural Resources and Management	2021
Jonas Moeller	Masters's-TU	Co-Chair	Forest Economics and Management	2021
Katrina Hill	Masters's*-UF	Member	Forest Resources and Conservation	2020
Kevin Smith	Masters's*-UF	Member	Forest Resources and Conservation	2019
Justin Smith	Masters's*-UF	Member	Forest Resources and Conservation	2017
Kevin Church	Masters's*-UF	Member	Forest Resources and Conservation	2017
Lauren Taylor	Masters's*-UF	Member	Forest Resources and Conservation	2017
Yuxuan Wang	Masters's-UF	Member	Forest Resources and Conservation	2017
Samantha Dame	Masters's*-UF	Member	Forest Resources and Conservation	2017

SERVICE

Graduate Council Representative: Mohammad Rafid UI Islam (PhD), School of Electrical Engineering and Computer Science; Kunal Rathore, (PhD), School of Electrical Engineering and Computer Science.

Deas's Fund Committee Member, College of Forestry, Oregon State University, 2023.

UF Faculty Senate, 2021– 2022.

Graduate Program Committee Member, School of Forests, Fisheries, and Geomatics Sciences, University of Florida, 2021– 2022.

Forests, Special Issue Editor Advances in Decision Support for Forest Management and Policy Formulation, September, 2022.

Inclusion, Diversity Equity & Access (IDEA), Committee Member, School of Forests, Fisheries, and Geomatics Sciences, University of Florida, 2020-2022.

Scientific Board Panel, Seventh International Faustmann Symposium, New Zealand, 2023.

Scientific Board Panel, New Frontier in Forest Economics Conference, Germany, 2023

Scientific Board Panel, Sixth International Faustmann Symposium, Germany, 2019.

Peer Review Panel, Hispanic Serving Institutions Program, USDA-NIFA, 2019.

UF Honor Marshall, graduate & undergraduate graduation ceremony, 2021.

Co-Race Director, Flatwoods 5k, 2018-2019.

JOURNAL REFEREE

Agroforestry Systems, Canadian Journal of Forest Research, Change Biology Bioenergy, Ecological Economics, Ecosystem Services, Energy, Energy Policy Global Forests, Environmental Research, Forest Ecology and Management, Forest Ecosystems, Forest Policy and Economics, Forest Science, Journal of Cleaner Production, Journal of Environmental Management, Journal of Environmental Planning and Management, Journal of Forest Economics, Land Use Policy, Plos One, Scandinavian Journal of Forest Research, Trees, Forest and People, Weather, Climate, and Society

PROFESSIONAL AFFILIATIONS

International Society of Forest Resource Economics (ISFRE); Resource Modeling Association (RMA); International Union of Forest Research Organizations (IUFRO) Division 9- Forest Policy and Economics; Proactive Forest Health & Resilience at University of Florida (ProForest); Clean Energy and Sustainability Analytics Center at Montclair State University; Forest Taxation Research and Extension Working Group

CERTIFICATES AND SPECIAL TRAINING

Fundamentals of Inclusion, Diversity Equity & Access Certificate, Center for Teaching Excellence, University of Florida. In progress.

Diversity and Inclusion at UF (HR) Course, Center for Teaching Excellence, University of Florida. August 2021.

Great Teaching for New Faculty Certificate, Center for Teaching Excellence, University of Florida. May 2019.

Visiting Researcher, Institute of Forest Economics and Forest Management Planning, Dresden University of Technology (TU), Dresden, Germany. May 2019.

Visiting Researcher. Department of Forest Economics, Swedish University of Agricultural Sciences, Umea, Sweden. August 2017.

State of the Art Forest Economics Course: Economics of Forest Resources. March 9th-March 20th, 2015. Umea, Sweden. Instructor: Dr. Peichen Gong. Department of Forest Economics, Swedish University of Agricultural Sciences.

Global Trade Analysis Course: Introduction to Computable General Equilibrium Modeling. Center for Global Trade Analysis, January 26 – March 8, 2015. Department of Agricultural Economics, Purdue University.

Environmental and Resource Economics Training Course: Valuation and Household Surveys. Latin American and Caribbean Environmental Economics Program (LACEEP), July 28th-August 11th, 2008, Turrialba, Costa Rica. Instructors: Dr. Fredrik Carlsson, University of Gothenburg, and Dr. Dale Whittington, University of North Carolina, Chapel Hill.

SCHOLARSHIPS AND AWARDS

2021 UF/IFAS Florida Climate Institute. Global Gator Fellowship (\$5000). Public preferences for ecosystem services in Patagonian region, Aysen Region of Chile. February 2022-2023.

2020 UF/IFAS International Travel Award: International Award (\$3000). Economic valuation of ecosystem services in Patagonian forests, Aysen Region of Chile. May 2020-2021.

New Zealand Development Master Scholarship. New Zealand's International Aid & Development Agency (NZ Aid). Ministry of Foreign Affairs and Trade. February 2003 to June 2005.

Doctoral Scholarship. University of Florida, United States Department of Agriculture (USDA) and Department of Energy (DOE). August 2006 to December 2009.