

ANDRES I. SUSAETA

Curriculum Vitae

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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
Adjunct Assistant Professor, Department of Applied Economics, 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.
- 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 (65) (* senior authorship not assigned; ** advisee)

65. **Susaeta, A.**, Okolo, C**, Shaw, D. 2024. Effects of Swiss needle cast on the profitability and optimal management of Douglas Fir Plantations in Western Oregon. *Forest Science*, *fxae023*.
64. Carney, T**, Adams, D., Andrews, D., Goewey, S., Crandall, R., **Susaeta, A.** 2024. The informal economy of wiregrass production for longleaf pine restoration in Florida. *Trees, Forests and People* 17, 100620.

63. Amirteimoori, A., Cezar, A., Zadmirzaei, M., **Susaeta, A.** 2024. Environmental performance evaluation in the forest sector: an extended stochastic data envelopment analysis approach. *Socio-Economic Planning Sciences* 94, 101943.
62. Oluoch, S., Lal, P., **Susaeta, A.**, Smith, M., Wolde, B. 2024. Consumer preferences for wood-pellet-based green pricing programs in the Eastern United States. *Energies* 17, <https://doi.org/10.3390/en17081821>.
61. Amirteimoori, A., Zadmirzaei, M., **Susaeta, A.**, Amirteimoori, A. 2024. Efficiency analysis and CO₂ emission reduction strategies in the US forest sector: A Data envelopment analysis approach. *European Journal of Forest Research* 143, 903–916.
60. Moeller, J^{**}, **Susaeta, A.**, Deegen, P., Sharma, A. 2024. Profitability analysis of southern plantations through timber alone or timber and carbon integration in pine-sweetgum mixes. *Forest Policy and Economics* 161, 103163.
59. **Susaeta, A.**, Sancewich, B., Klizentyte, K., Soto, J., Joshi, O. 2024. Profit efficiency in the provision of ecosystem services in the Cross Timbers forests. *Land Use Policy* 136, 106978.
58. **Susaeta, A.**, Gutierrez, E., Lozano, S. 2023. Profit efficiency analysis of forest ecosystem services in the southeastern US. *Ecosystem Services* 64, 101567.
57. Okolo, C^{**}, Wen, J., **Susaeta, A.** 2023. Maximizing natural resource rent economics: The role of human capital development, financial sector development, and open-trade economies in driving technological innovation. *Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-023-31373-z>.
56. Klizentyte, K. ^{**}, **Susaeta, A.**, Stein, T., Adams, D. 2023. Recreation area characteristics and their impact on property values within Florida's Wekiva River System. *Society & Natural Resources*. <https://doi.org/10.1080/08941920.2023.2254730>.
55. Leite-Morales, A., Rossato, F., **Susaeta, A.**, Binotto, E., Malafaia, G., de Azevedo, D. 2023. Environmental impacts in integrated production systems: an overview. *Journal of Cleaner Production* 420, 138400.
54. Zadmirzaei, M., Hasanzadeh, F., **Susaeta, A.**, Gutiérrez, E. 2023. 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>.
53. Amirteimoori, A., Banker, R., Zadmirzaei, M., **Susaeta, A.** 2023. Managerial ability and productivity growth in the European forest sector. *European Journal of Forest Research* 142, 1–15.
52. **Susaeta, A.** 2023. Optimal Forest management of even-aged longleaf pine stands with nontimber benefits. *Journal of Agricultural and Applied Economics* 55, 1–12.
51. **Susaeta, A.**, Carney, T^{**}. 2023. 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.
50. Carney, T. ^{**}, Williams, R., Kapellusch, Crandall, R., **Susaeta, A.**, Adams, D. 2023. Fanning the flames of cooperation: a collective action approach to prescribed fire agreements. *Environmental Challenges* 10, 100676.
49. **Susaeta, A.**, Sharma, A., Klizentyte, K., Adams, D. 2023. Economic analysis of uneven-aged forest management in the southeastern United States. *Canadian Journal of Forest Research* 53, 38–47.
48. Koirola, U. ^{**}, Adams, D., **Susaeta, A.**, Akande, E. 2022. Value of a flexible forest harvest decision with short period carbon offsets: application of a binomial option model. *Forests* 3(11), 1785.

47. Hyde, W., Morales Olmos, V., Robalino, J., da Gama e Silva, Z., **Susaeta, A.**, Yin, R. 2022. Latin America: a regional perspective on its forest policy and economics. *Forest Policy and Economics* 141, 102760.
46. Oluoch, S^{**}, Lal, P., **Susaeta, A.**, Mugabo, R., Masozera, M., Aridi, J. 2022. Public preferences for renewable energy options: a choice experiment in Rwanda. *Frontiers in Climate* 4, 874753.
45. **Susaeta, A.**, Fill, J., Crandall, R., Morgan, V. 2022. Hidden costs of fire exclusion in longleaf pine forests linked to duff and carbon management. *Journal of Forestry*, fvac009.
44. **Susaeta, A.**, Klizentyte, K^{**}, Sharma, A., Adams, D. 2021. Can uneven-aged management improve the economic performance of longleaf pine? *Canadian Journal of Forest Research* 51(9), 1307–1315.
43. **Susaeta, A.**, Alavalapati, J. 2021. Forest ownership, management, and water production in longleaf pine forests: A stochastic frontier analysis. *Forest Science* 67(2), 145–155.
42. **Susaeta, A.**, Rossato, F. 2021. Efficiency of pulp and paper industry in the production of pulp and bioelectricity in Brazil. *Forest Policy and Economics* 128, 102484.
41. Oluoch, S^{**}, Lal, P., Wolde, B., **Susaeta, A.**, Soto, J., Smith, M., Adams, D. 2021. Public preferences for longleaf pine restoration programs in the southeastern United States. *Forest Science* 67(3), 265–274.
40. Oluoch, S^{**}, Lal, P., **Susaeta, A.**, Wolde, B. 2021. Public preferences for renewable energy options: a choice experiment in Kenya. *Energy Economics* 98, 105256.
39. Oluoch, S^{**}, Lal, P., **Susaeta, A.** 2021. Investigating factors affecting renewable energy consumption: a panel data analysis in sub-Saharan Africa. *Environmental Challenges* 4, 100092.
38. Shephard, N^{**}, Joshi, O., **Susaeta, A.**, Will, R. 2021. 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.
37. Halbritter, A., Deegen, P., **Susaeta, A.** 2020. 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.
36. Oluoch, S^{**}, Lal, P., **Susaeta, A.**, Vedwan, N. 2020. Assessment of public awareness, acceptance and attitudes towards renewable energy in Kenya. *Scientific African* 9, e00512.
35. **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.
34. **Susaeta, A.**, Gong, P., Adams, D. 2020. 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.
33. Gong, P., **Susaeta, A.** 2020. Impacts of forest tax under timber price uncertainty. *Forest Policy and Economics* 111, 102030.
32. Adams, D^{*}, **Susaeta, A^{*}**, Soto, J., Rossi, F., Carton de Grammont, P., Messina, W., Koch, F., Gomez, D., Hulcr, J. 2020. 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.
31. **Susaeta, A.**, Gong, P. 2019. Optimal harvest strategy for even-aged stands with price uncertainty and risk of natural disturbances. *Natural Resource Modeling* e12211.
30. **Susaeta, A.**, Gong, P. 2019. *Corrigendum* to Economic viability of longleaf pine management in the southeastern United States. *Forest Policy and Economics* 106, 101969.

29. **Susaeta, A.**, Gong, P. 2019. Economic viability of longleaf pine management in the Southeastern United States. *Forest Policy and Economics* 100, 14–23.
28. **Susaeta, A.**, Sancewich, B., Adams, D., Moreno, P**. 2019. Ecosystem services production efficiency of longleaf pine under changing weather conditions. *Ecological Economics* 156, 24–34.
27. **Susaeta, A.**, Lal, P. 2018. Impacts of climate change and bioenergy markets on the profitability of slash pine pulpwood production in the Southeastern United States. *Forests* 9(20), 656.
26. Rossato, F**, **Susaeta, A.**, Adams, D., Hidalgo, I., De Araujo, T., Queiroz, A. 2018. 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.
25. **Susaeta, A.** 2018. On Pressler's indicator rate formula under the generalized Reed model. *Journal of Forest Economics* 30, 32–37.
24. **Susaeta, A.**, Adams, D., Soto, J., Hulcr, J. 2017. Expected timber-based economic impacts of a wood-boring beetle (*Acanthotomicus* sp.) that kills American sweetgum. *Journal of Economic Entomology* 110(4), 1942–1945.
23. **Susaeta, A.**, Adams, D., Gonzalez-Benecke, C. 2017. Economic vulnerability of Southern US slash pine forests to climate change. *Journal of Forest Economics* 28(1), 18–32.
22. **Susaeta, A.**, Adams, D., Gonzalez-Benecke, C. 2017. Economic feasibility of managing loblolly pine forests for water production under climate change in the Southeastern United States. *Forests* 8(3), 83.
21. **Susaeta, A.**, Soto, J., Adams, D., Hulcr, J. 2016. 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.
20. **Susaeta A.**, Soto, J., Adams, D., Allen, D. 2016. Economic sustainability of payments for water yield in slash pine plantations in Florida. *Water* 8(9), 382.
19. **Susaeta A.**, Adams, D., Carter, D., Gonzalez-Benecke, C., Dwivedi, P. 2016. Technical, allocative, and total profit efficiency of loblolly pine forests under changing climatic conditions. *Forest Policy and Economics* 72, 106–114.
18. **Susaeta, A.**, Adams, D., Carter, D., Dwivedi, P. 2016. Climate change and ecosystem services output efficiency in southern natural loblolly pine forests. *Environmental Management* 58(3), 417–430.
17. **Susaeta A.**, Carter, D., Chang, SJ., Adams, D. 2016. A generalized Reed model with application to wildfire risk in even-aged Southern United States pine plantations. *Forest Policy and Economics* 67, 60–69.
16. Dwivedi, P., Khanna, M., Sharma, A., **Susaeta A.** 2016. 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.
15. **Susaeta, A.**, Peter, G., Hodges, A., Carter, D. 2014. 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.
14. Lal, P., Alavalapati, J., **Susaeta, A.** 2014. Impact of bioenergy markets on the future of Southern United State forests. *Middle States Geographer* 47, 26–47.
13. **Susaeta A.**, Carter, D., Adams, D. 2014. 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.

12. **Susaeta A.**, Carter, D., Adams, D. 2014. 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.
11. **Susaeta, A.**, Chang, S.J., Carter, D., Lal, P. 2014. 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.
10. Gonzalez-Benecke, C., **Susaeta, A.**, Jokela, E., Martin, T., Carter, D. 2014. Ecological, silvicultural and economic considerations for sustainable forest floor management in *Pinus elliottii* stands. *Forest Science* 60(1), 109–118
9. **Susaeta, A.**, Lal, P., Alavalapati, J., Carter, D. 2013. Modeling the impacts of bioenergy markets on the forest industry in the Southern United States. *International Journal of Sustainable Energy* 32(6), 544–561.
8. **Susaeta, A.**, Lal, P., Carter, D., Alavalapati, J. 2012. Modeling nonindustrial private forest landowner behavior in face of wood bioenergy markets. *Biomass and Bioenergy* 46, 419–428.
7. **Susaeta, A.**, Gonzalez-Benecke, C., Carter, D., Jokela, E., Martin, T. 2012. Economical sustainability of pinestraw raking in slash pine stands in the Southeastern United States. *Ecological Economics* 80, 89–100.
6. **Susaeta, A.**, Lal, P., Alavalapati, J., Mercer, E., Carter, D. 2012. Economics of intercropping loblolly pine and switchgrass for bioenergy markets in the Southeastern United States. *Agroforestry Systems* 86(2), 287–298.
5. Lal, P., Alavalapati, J., Marinescu, M., Dwivedi, P., **Susaeta, A.** 2011. Developing sustainability indicators for woody biomass harvesting in the United States. *Journal of Sustainable Forestry* 30(8), 736–755.
4. **Susaeta, A.**, Lal, P., Alavalapati, J., Mercer, E. 2011. 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.
3. **Susaeta, A.**, Alavalapati, J., Lal, P., Matta, J. 2010. Assessing public preferences for forest biomass-based energy in the Southern United States. *Environmental Management* 45(4), 697–710.
2. **Susaeta, A.**, Alavalapati, J., Carter, D. 2009. Modeling impacts of bioenergy markets on nonindustrial private forest management. *Natural Resource Modeling* 22(3), 345–362.
1. Dwivedi, P., Alavalapati, J., **Susaeta, A.**, Stainback, A. 2009. 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.

EXTENSION PUBLICATIONS (5)

5. Kreye, M., VanderSchaaf, C., **Susaeta, A.**, Tanger, S. 2023. Long term financial planning for timber and carbon. Forest Owner Carbon and Climate education Program, PennState Extension. University Park, PA. <https://extension.psu.edu/long-term-financial-planning-for-timber-and-carbon>.
4. **Susaeta, A.** 2021. The timber value of an existing forest stand. University of Florida-IFAS, EDIS FOR366. Gainesville, FL.
3. **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.

2. **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.
1. **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., Stevens, T.J. Bioenergy roadmap for Southern United States. Southeast Agriculture & Forestry Energy Resources Alliance (SAFER), Southern Growth Polices Board, North Carolina.

PROFESSIONAL PRESENTATIONS (67)

67. **Susaeta, A.**, Moller, A., Sharma, A., Deegen, P. 2024. Economic analysis of mixed forest plantations in the Southeastern US. Oral presentation. International Union of Forest Research Organizations (IUFRO) World Congress, Stockholm, Sweden, June 28.
66. Susaeta, A., Sancewich, B., Klizentyte, K., Soto, J., Joshi, O. 2024. Profit efficiency of the Cross Timbers region in the production of ecosystem services: an application of stochastic frontier analysis. Oral presentation. International Union of forestry World Congress, Stockholm, Sweden, June 2024.
65. Lu, G., **Susaeta, A.** 2024. Estimating timber losses from Private Forest Accord. Oral presentation. Oregon Department of Forestry. Salem, OR, June 13, 2024.
64. **Susaeta, A.** 2024. Adaptive management strategies in Oregon's forest taxation programs. Oral presentation. Western Forest Economists Annual Meeting. Victoria, BC, Canada, May 22-23, 2024.
63. **Susaeta, A.** 2024. Economic impacts of Swiss Needle Cast on Douglas fir plantations in western Oregon. Oral presentation. The Swiss Needle Cast Cooperative Annual Meeting. Corvallis, OR, February 22, 2024.
62. Watts, M., Joshi, O., Poudel, S., Raper, C., **Susaeta, A.**, DeSantis, R., Will, E. 2024. Growth, carbon storage potential, and economics of loblolly pine plantations for marginal forestlands. Oral presentation. International Society of Forest Economics (ISFRE) Annual Meeting, Little Rock, AR, April 1-April 3, 2024.
61. McDonald, I., Sancewich, B., **Susaeta, A.** 2024. Resource allocation of ecosystem services of Cross Timbers forests. Poster presentation. Scholarly Activities and Creativity Days. Fort Hays State University. Hays, Kansas, April 2024.
60. 2023 Bohora Schlickmann, M., Alessandro Karasinski, M., 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. 2023. 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.
59. Carney, T., Kreye, M., Adams, D., Mallinger, R., Hendrick, L., **Susaeta, A.** 2023. 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.
58. Carney, T., Kreye, M., Adams, D., Mallinger, R., Hendrick, L., **Susaeta, A.** 2023. 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.
57. **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.

56. Rahman, H., Naito, D., Moeliono, M., Mitani, Y., **Susaeta, A.** 2023. 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.
55. Cheng, H., Joshi, O., **Susaeta, A.**, Soto, J., Kadam, P. 2023. 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.
54. Joshi, O., Cheng, J., Soto, A., **Susaeta, A.** 2022. 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.
53. Carney, T., Williams, R.J., Kapellusch, T., Crandall, R., **Susaeta, A.**, Adams, D.C. 2022. 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
52. Carney, T., Williams, R.J., Kapellusch, T., Crandall, R., **Susaeta, A.**, Adams, D.C. 2022. 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.
51. Carney, T., Williams, R.J., Kapellusch, T., Crandall, R., **Susaeta, A.**, Adams, D.C. 2022. Fanning the flames of cooperation: a collective action approach to prescribed fire agreements. Oral presentation, Society of American Foresters. Baltimore, Maryland. 23 September 2022.
50. **Susaeta, A.**, Jensen, F., Meilbye, H. 2022. 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.
49. **Susaeta, A.**, Sharma, A., Silva C. 2022. 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.
48. **Susaeta, A.** 2022. 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.
47. **Susaeta, A.** 2021. Policy and Economic approaches for valuing ecosystem services. Oral presentation. University of Florida. April 8. Gainesville, Florida.
46. **Susaeta, A.** 2021. Valuation of ecosystem services. Oral Presentation. Patagonian Ecosystems Investigation Research Center. November, 19. Virtual meeting.

45. Koirala, U., Reaver, N., Hass, H., **Susaeta, A.**, Adams, D., Kaplan, D., Kalin, L., Graham, W. 2021. 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.
44. Carney, T., **Susaeta, A.**, Kapellusch, T., Crandall, R. 2021. Bioeconomic modeling for management scenarios for wiregrass production. Poster presentation. The Society of American Foresters November 4. Virtual meeting.
43. **Susaeta, A.** 2021. 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.
42. **Susaeta, A.** 2021. 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.
41. Klizentyte, K., **Susaeta, A.**, Sharma, A., Adams, D. 2020. Economic tradeoffs of even-aged and uneven-aged longleaf pine management. Oral presentation. The Society of American Foresters. October 29-31. Virtual meeting.
40. **Susaeta, A.** 2020. Impacts of forest tax under timber price uncertainty. Oral presentation. Forest Taxation Research and Extension Working Group. October 2. Virtual meeting.
39. **Susaeta, A.**, Gong, P. 2020. Forest taxation and optimal reservation prices. Oral presentation. Scandinavian Society of Forest Economics. September 28-30. Helsinki, Finland.
38. Peter, G., Silva, C., Qui, J., **Susaeta A.** 2020. Scalable geographical databases for dynamic modeling of wood fiber supply and supply chain risk. Oral presentation for International Paper. September 18. Gainesville, Florida.
37. Halbritter, A., **Susaeta, A.**, Deegen, P. 2019. The economics of forest thinnings and rotation length under forest wildfire risks. Oral presentation. Sixth International Faustmann symposium. October 7-9. Darmsdat, Germany.
36. **Susaeta, A. 2019.** Adaptive harvest strategies and natural disturbances. Oral presentation, Institute of Forest Economics and Forest Management Planning, TU Dresden. May 28. Dresden, Germany.
35. Adams, D., **Susaeta, A.**, Dwivedi, P., Lal, P., Soto, J., Kreye, M., Klizentyte, L. 2019. 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.
34. **Susaeta, A.** 2018. 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.
33. Koirala, U., **Susaeta, A.**, Adams, D. 2018. The effects of non-timber ecosystem services on economically optimal forest management. Oral presentation. Society of American Foresters Convention. October 5, Portland, Oregon.

32. **Susaeta, A.** 2018. Ecosystem services production efficiency of longleaf pine forests under climate change. Oral presentation. Water Institute, University of Florida. August 4. Gainesville, Florida.
31. Adams, D., Vogel, J., **Susaeta, A.**, Cohen, M. 2018. 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.
30. Adams, D., **Susaeta, A.**, Rossi, F. 2018. Economic impacts of forest threats. Oral presentation. Florida Society of American Foresters 45th Spring Symposium. May 3. Gainesville, Florida.
29. Gong, P., **Susaeta, A.** 2018. 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. Helsinore, Denmark.
28. 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.
27. **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.
26. Adams, D., Susaeta, A. 2017. New frontiers in forest economics and policy. Oral Presentation. PINEMAP forest research and decision support tool rollout. May 16- 17. Athens, Georgia.
25. Adams, D., **Susaeta, A.**, Ober, H., Cohen, M, Gonzalez-Benecke, C., Soto, J.R. 2017. 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. 2017 Annual FAES Research Awards Ceremony, May 16. Gainesville, Florida.
24. **Susaeta, A.**, Adams, D.C., Soto, J.R., and Allen, D. 2016. 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.
23. Allen, D., Adams, D.C., **Susaeta, A.**, Soto, J.R. 2016. The economic sustainability of water yield payments in southern pine forests. Oral presentation. Society of American Foresters National Meeting, November 5. Madison, Wisconsin.
22. **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.
21. **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.

20. **Susaeta A.**, Adams, D., Carter, D., Gonzalez-Benecke, C., Dwivedi, P. 2016. Economic efficiency of loblolly pine forests under changing climatic conditions. Poster presentation. 2016 PINEMAP Annual Meeting. May 24-26. Athens, Georgia.
19. Soto, J., Adams, D., **Susaeta, A.**, Hulcr, J., Koch, F. 2016. 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.
18. **Susaeta A.**, Adams, D., Carter, D., Gonzalez-Benecke, C., Dwivedi, P. 2015. 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.
17. Adams, D., **Susaeta A.** 2014. Efficiency of ecosystem services production in loblolly forests with climate change. Oral presentation. Society of American Foresters National Convention. November 6th. Baton Rouge, Louisiana.
16. Adams, D., **Susaeta A.**, Carter, D. 2014. Economics of forest management with climate change risks. Oral presentation. Growing Pines in Changing Times. April 21. Tifton, Georgia.
15. **Susaeta, A.**, Carter, D., Adams, D. 2014. 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.
14. **Susaeta, A.**, Carter, D., Adams, D. 2013. 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.
- 13.. Alavalapati, J., **Susaeta, A.**, Lal, P., Carter, D. 2013. 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.
12. **Susaeta, A.**, Carter, D., Adams, D. 2013. 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.
11. **Susaeta, A.**, Carter, D., Chang, S.J. 2012. 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.
10. **Susaeta A.**, Chang, S.J. 2012. 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.
9. Lal, P., **Susaeta, A.**, Alavalapati, J. 2012. 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.

8. Alavalapati, J., Lal, P., **Susaeta, A.**, Abt, R. 2010. Bioenergy meta theme- findings. Oral presentation. United States Forest Service Southern Forests for Future Project Meeting, July 27-29. Atlanta, Georgia.
7. Alavalapati, J., O. Banerjee, Dwivedi, P., Huang, M., Kukrety, S., Lal, P., **Susaeta, A.** 2010. Lessons learned from quantitative analyses of forest bioenergy markets. Oral presentation. IUFRO 2010 Congress. August 23-28, Seoul, South Korea.
6. **Susaeta, A. 2010.** 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.
5. Alavalapati, J., **Susaeta, A.** 2010. Bioenergy and Meta Issues: Progress and Future Plans. Oral presentation. Southern Future Forest Project Meeting. February 22-24. Atlanta, Georgia.
4. **Susaeta, A. 2009.** 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.
3. Alavalapati, J., Hodges, A.W. Lal, P., Dwivedi, P., **Susaeta, A.**, Kaufer, I. 2008. Southern bioenergy roadmap inventory. Oral presentation. Biomass South 2008. Sept 21-23. Raleigh, North Carolina.
- 2.. Alavalapati, J., Hodges, A.W. Lal, P., Dwivedi, P., **Susaeta, A.**, Kaufer, I. 2008. Southern bioenergy roadmap. Oral presentation. Southern Bioenergy Roadmap Stakeholder Meeting, Aug 4-5. Memphis, North Carolina.
- 1 **Susaeta, A.**, Alavalapati, J., Carter, D., Mehmood, S. 2007. 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 \$10.5 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. |
| 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.
- 2023-2024 Oregon Department of Forestry (\$100,000). Economic assessment of the Oregon private forest accord. PI.
- 2023-2025 Department of Environmental Quality, Oregon (\$3,000,000). Clean Fuels. PI with Lyons, D., Bailey J., Presley, G.
- 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, W., 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.)

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*
 Spring 2016-2018; Spring 2019*** FNR 4623. Integrated Natural Resources Management*
 Spring 2014; Summer 2020-2021 FOR 6543: Natural Resource Economics and Valuation*

Dresden Technological University (Germany)

Summer 2019 Economics 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 |
|--------------------|--------------------|------------|-----------------------------------|------------|
| Asiful Alam | Postdoc-OSU | Supervisor | | 2025 |
| Gang Lu | Postdoc-OSU | Supervisor | | 2025 |
| Hsu Kyaw | PhD-OSU | 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 |

SERVICE

Department of Forest Engineering, Resources and Management Promotion and Tenure Committee Member, College of Forestry, Oregon State University, 2024.

Search Committee Member for the Assistant Professor in Applied Genetics and PNW Tree Improvement Research Co-op Director, Department of Forest Engineering, Resources and Management, College of Forestry, Oregon State University, 2024.

Fullbright Specialist Roster, U. S Department of State's Bureau and Educational and Cultural Affairs and World Learning, 2023-2027.

Committee Member and Participant of the Study Abroad Where the Andres Meet the Sea: Study @ Intern in Patagonia, College of Forestry and College of Agricultural Sciences, Oregon State University, 2024.

Associate Editor, Canadian Journal of Forest Research, 2023.

Associate Editor, Forest Policy and Economics, 2024.

Special Issue Editor Biomass Energy Usage for Sustainable Development, Sustainability, 2023-2024.

Diversity and Inclusion Workgroup Member, College of Forestry, Oregon State University.

Senate Curriculum Council, Oregon State University.

Beaver Connect, Faculty mentor, 2024.

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; Richard Acquah-Sarpong (PhD), Department of Applied Economics, Oregon State University'

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

UF Faculty Senate, 2021– 2022.

Graduate Program Committee Member & Inclusion, Diversity Equity & Access IDEA, 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.

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, Forestry: An International Journal of Forest Research, 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.