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Curriculum Vitae

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Appointment: 75% Extension, 25% Research

1. Background and History

A. Education:

Ph.D.	2009	Forestry, Emphasis Areas: Economics and Policy. Auburn University Dissertation Title: “Legislative Production and Ideology Voter Scores: Three Essays”
M.S.	2006	M.S. Economics. Auburn University M.S. Forestry. Auburn University
B.S.(Class Marshall)	2004	B.S. 2004. Wildlife Biology. Auburn University

B. Employment History:

Director of Renewable Resources Extension Act Extension Program (2015-current).

Duties and accomplishments:

- i. Coordinate Regional Forestry team and programming for statewide forestry and wildlife extension
- ii. Lead the statewide extension educational program in forest economics, management, and taxation
- iii. Evaluate and Report on programmatic impact of forestry extension programming for LSU AgCenter

Assistant Professor – Louisiana State University. (2013-current).Department of Agricultural Economics and Agribusiness. Current Appointment: 75% Extension, 25% Research.

- iv. Produce and disseminate estimates of the annual state harvest of forest products in Agricultural Summary
- v. Develop and conduct non-resident educational programs in the specialized areas of financial analysis, timber markets, timber price trends, taxation, and management
- vi. Develop and conduct research programs on economic issues related to forestry and the forest products industry.
- vii. Conduct input/output analysis to evaluate contribution of agricultural sectors to the Louisiana economy

Post-Doctoral Researcher- Forest Policy Center. (2010-2012).

- viii. Analyze time series data to determine impact of policies and economic factors on natural resource utilization

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- ix. Identify and retrieve policy and economic information and organize data sets for analysis
- x. Utilize econometric modeling to investigate relationship between landowner attitudes/characteristics and willingness to allow fee-based recreation on private land
- xi. Coordinate collaborative research projects as lead author
- xii. Produce research publications and analysis-based presentations

Instructor of Economics- Auburn University (2009-2013).

- xiii. Grading and evaluation of assignments and examinations
- xiv. lecturing and proctoring of examinations
- xv. Conducting in class reviews of assignments
- xvi. Providing assistance to students

Graduate Research Assistant, Auburn University, School of Forestry and Wildlife Sciences, Auburn, AL, May 2006 to December 2009.

- xvii. Analyze time series data to determine impact of policies and economic factors on natural resource utilization
- xviii. Identify and retrieve policy and economic information and organize data sets for analysis
- xix. Utilize econometric modeling to investigate relationships
- xx. Coordinate collaborative research projects as lead author
- xxi. Produce research publications and analysis-based presentations

C. History of Assignments with the Louisiana State University Agricultural Center

Director of Renewable Resources Extension Act Extension Program (2015-current).

Assistant Professor – Louisiana State University. (2013-current). Department of Agricultural Economics and Agribusiness. Current Appointment: 75% Extension, 25% Research.

D. Current Duties and Responsibilities:

75% Extension Appointment, Louisiana Cooperative Extension Service, Louisiana State University Agricultural Center.

As extension specialist, I am responsible for development, coordination, implementation and evaluation of outreach and educational programs concerning forest landowners and issues affecting the Louisiana forest products industry. As extension specialist, I serve as the liaison between clientele and other research and extension personnel in Louisiana and throughout the United States. In doing so, it is my responsibility to provide leadership to parish level faculty to ensure that parish, state and national needs of the industry are addressed.

In addition, I work closely with all producers, shippers, packers, processors, industry representatives and research and extension personnel to ensure that the most pressing needs of the industry are addressed in a timely and efficient manner. The primary objectives of the forestry extension program is to Increase the percentage of forest landowners who adopt

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recommended practices for financial sustainability and environmental sustainability through trainings, workshops, field days and dissemination of research and extension based forest management information.

Other responsibilities include planning and participation in state and parish level management and advisory meetings of research based recommendations. Overseeing the Renewable Resources Extension Act grant budget, managing state and federal reporting on Forestry extension for the LSU AgCenter.

25% Research Appointment, Louisiana Agricultural Experiment Station, Louisiana State University Agricultural Center (HATCH # LAB94255)

Research responsibilities include executing my Hatch project and overseeing graduate students. Research objectives include but are not limited to: (1) to elicit and measure state level economic impact of forestry on Louisiana by forestry sub-sector; and, (2) disaggregate the above economic indicators by parish; (3) examine trends in economic impact in Louisiana by the aggregate forestry sector; (4) Conduct forecasting for the Louisiana forest products sector--prices for stumpage, harvesting, and employment in relevant industries with in the sector.

2. Extension Activities

A. Documentation of Major Extension Program Areas and Initiatives

i. State-Level

This program delivered a myriad of activities to be carried out by our 5 extension area foresters, 2 state specialists in forestry and 1 wildlife state specialist. The investigator oversees management of the program but does not have programmatic authority to direct individuals on the team. Programming details (activities chosen to fulfill the program objectives) are selected by forestry stakeholders throughout the state. Programming management occurs through a series of project meetings and email/phone correspondence. The investigator is responsible for state and federal impact reporting on a yearly basis. Last year (2015), a total of approximately 1,000 participants, representing approximately 3,500,000 acres of forested land in the state of Louisiana valued extension forestry programs conducted under the LSU AgCenter banner at approximately \$3,500 per person for a total of \$1 of value added per acre. Currently, the investigator is working on a continuing 4-year survey that will help measure adoption of recommended forestry practices (outlined in the program logic model) of forest landowners due to participation in Louisiana Forestry Extension Programming.

Specific Extension Program Objectives:

- a. U.S. Southeastern Logging Study
- b. Demand Elasticity in Southeastern Sawtimber Markets and Price Forecasting

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- c. Designing Management Plans for LSU research station forest property.
- d. Economic Impact of Logging in Louisiana Parishes
- e. Mill Inventory and Wood Utilization Study for Louisiana in Collaboration with the Forest Service

ii. Regional-Level

Western Gulf Silvicultural Exchange Team (2015-

http://www.wgste.org/WGSTE_2014/About.html

We continue to develop strategies for pine silvicultural practices and there is renewed interest in hardwood management. The Western Gulf, however, has unique challenges and considerations to successfully manage pine and hardwood stands.

The conference goal is to provide you with new silvicultural strategies for increased productivity and newly developed tools that will aid in resource assessment and the management decision process. Capstone of every year is to conduct a conference alternating for Forest Professionals and Forest Landowners.

Current Projects:

- a. Silvicultural strategies for landowners to mitigate extreme weather stressors.
- b. Remediation of mixed stands in the western gulf region.
- c. Designing decision tool on CRP feasibility for Delta States landowners.

iii. National-level

- a. Forest Economics Summit and Forestry Economic Impact Analysis (2015)

<http://forestryecon.sref.info/>

The Summit will bring together policymakers, researchers, economic/community development specialists and Extension/state agency foresters who together will learn about the economic importance of forestry and forest products (including a section on Ecosystem Services). A component of the conference will include discussions on how each state calculates the economic importance and benefits, and how the region can work together to highlight regional impact.

I, along with Mississippi State University professors and Southern Regional Extension Forestry, have applied for RREA focus funds grant to continue the dissemination of this work at the county level, designing a template and training on ECA (economic contribution analysis) for ANR agents.

- b. National Forestry Extension Conference Planning Committee (2015)

www.blogs.oregonstate.edu/ntlexandwoodprodsconf/

What will the future of Forestry and Wood Products Extension look like and what does it require of us today? This is the question that will be dissected, analyzed, and hopefully answered at this 1.5 day meeting of the minds. Extension Agents and Specialists will discuss how to best serve the needs of Extension clientele, given all of the challenges that the field of Extension faces now, and into the future. The discussions at this meeting will culminate in a working document

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that can and will inform Extension Leaders across the country to reiterate the value and usefulness of Extension at both local and national levels. Creating a platform in which solutions and success stories can be discussed will help to build a network that can meet semi-regularly and work together for problem-solving and mitigating future challenges. Evaluation*

c. CNREP Conference (2015-2016)

www.cnrep.lsu.edu

The Center for Natural Resource Economics and Policy is a network of social scientists engaged in research and extension programs that contribute to the management and sustainability of natural resources. Projects are maintained in a variety of areas related to energy, coastal and inland wetlands, fisheries, forests, wildlife, land, and water resources.

International Society of Forest Resource Economists Planning Committee (2017)

www.sofew.cfr.msstate.edu

B. Advisory Process and Critical Issue Responsiveness

i. LSU AgCenter forestry extension project group.

Quarterly Meetings with LSU AgCenter forestry extension professionals to discuss and coordinate extension activities designed to achieve logic model objectives.

ii. Proposed State-wide ACE steering group:

The statewide forestry extension advisory group will be initiated in the winter of 2016 (upon receipt of program 4-year survey) to address the concerns of the industry and to allow for open communication between LSU AgCenter extension and research personnel, landowners and consultants and industry representatives (logging, primary and secondary mill). The advisory meeting will be held in early December of each year. The advisory process gives producers and opportunity to provide input and constructive suggestions as to where our research and extension forestry management needs in Louisiana.

C. Program Delivery Effectiveness Demonstrated by Evaluation, Change, and Adoption

iii. Renewable Natural Resources Extension Act reporting (yearly)

A forest landowner symposia, tax workshops, feral hog workshops, forestry forums, field days and tree farm visits targeting private forest landowners were the primary educational programs conducted. Extension faculty conducted the triennial Louisiana Natural Resource Symposia, which had 80 participants, over 50% of survey respondents valued the symposia at more than \$5,500 per person. Area Forestry agents conducted 5 forums attended by more than 350 forest landowners, owning a total of 2.75 million acres of timber land. Forum attendees indicated the value of their attendance at an average of \$5000. Event planning, travel monies, and other operating expenses for Area Forestry Agents, Forestry and Wildlife State Specialists are supplemented with RREA funds.

These funds totaling approximately \$80,000 are leveraged with state and university resources to provide funding for conducting quality educational programs and field travel to assist forest

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landowners with managing their timberlands.

2015 Feral Hog Workshops (3): Approximately 151 landowners attended these events. Economic impacts, biology, and trapping techniques were discussed.

2015 Prescribed Burn Workshops (2): This workshop enabled landowners to conduct safe burns on private property. Approximately 40 people, most of whom were forest technicians, passed the final exam.

2014 Timber Tax Workshops (3): 70 landowners attended this workshop allowing them to better plan and file tax issues with respect to their forestland.

iv. 4-year evaluation

Currently, the investigator is working on a continuing 4-year survey that will help measure adoption of recommended forestry practices (outlined in the program logic model) of forest landowners due to participation in Louisiana Forestry Extension Programming. The overall purpose will be to evaluate the program's role in practice adoption by program participants.

v. Activity evaluations

Each activity conducted by extension personnel are evaluated at the end of the event to determine value, knowledge, awareness change. These include field days, workshops, forums, and short courses.

vi. Louisiana Forestry Association board meetings

D. Innovative Teaching Methods, Knowledge, and Application of New Technology

i. Stumpage Speak Quarterly, Staff Reports:

Quarterly production price and quantity reporting with emphasis on timber products in Louisiana. Associated market and policy issues affecting forest landowners and industry personnel.

ii. Utilization of the internet to disseminate educational information

Forestry Extension Website Design (2013-current):

<http://www.lsuagcenter.com/portals/blogs/stumpagespeak>

<http://sites01.lsu.edu/faculty/stumpagespeak/>

This website and blog will provide the user access to announcements, the latest forestry publications, information on upcoming short courses and workshops, quarterly price report updates, and occasional press releases on important forestry topics such as tax tips, cost share programs, and invasive species alerts. Also, when you subscribe, the most current information will be pushed out to email addresses of subscribers the last Friday of every month.

iii. Mixed Stand Growth and Yield Model

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E. Extension Publications (Print and Electronic):

i. Trade Publications (4)

Tanger, S.M., K.M. Guidry, H. Niu, T. Laviolette and L. Habetz. 2016. Regional Differences in Feral Hog Damage in Louisiana. Louisiana Agriculture Magazine. Winter Issue 2016.

Tanger, S.M. and J.E. Henderson. What markets look better for small woodland owners in the southeastern U.S.?" National Woodland Owners Association Magazine. Volume 39, Number 1, 2016. pp. 14-16

Tanger, S.M. "Forestry is an 11 billion dollar industry in Louisiana." Forests and People Magazine. 4th Quarter 2014. p. 10-14.

Tanger, S.M. Louisiana timber production report shows increase in 2013. Louisiana Logger. 19 (2) April 2014. p.7.

ii. Staff Reports (14)

Tanger, S.M. 2016. 2nd Quarter Timber Market Report 2016. Department of Agricultural Economics and Agribusiness. Staff Report No. 2016-10, July 2016.

Tanger, S.M. 2016. 2015 Year in Review: Stumpage Harvesting Report. Department of Agricultural Economics and Agribusiness. Staff Report No. 2016-08, April 2016.

Tanger, S.M. 2016. 1st Quarter Timber Market Report 2016. Department of Agricultural Economics and Agribusiness. Staff Report No. 2016-07, April 2016.

Tanger, S.M. 2016. Louisiana Timber Market Report: Outlook 2016. Department of Agricultural Economics and Agribusiness. Staff Report # 2016-06, March 2016.

Tanger, S.M. 2016. 4th Quarter Timber Market Report 2015. Department of Agricultural Economics and Agribusiness. Staff Report No. 2016-03, January 2016.

Tanger, S.M. 2015. 3rd Quarter Timber Market Report 2015. Department of Agricultural Economics and Agribusiness. Staff Report No. 2015-20, October 2015.

Tanger, S.M. 2015. General Market Note: Softwood Lumber Agreement. Department of Agricultural Economics and Agribusiness. Staff Report No. 2015-19, September 2015.

Tanger, S.M. 2015. 2nd Quarter Timber Market Report 2015. Department of Agricultural Economics and Agribusiness. Staff Report No. 2015-14, July 2015.

Tanger, S.M. 2015. 1st Quarter Timber Market Report 2015. Department of Agricultural Economics and Agribusiness. Staff Report No. 2015-22, April 2015.

Tanger, S.M. 2015. 4th Quarter Timber Price Report 2014. Louisiana State University Agricultural Center. Department of Agricultural Economics and Agribusiness. Staff Report No. 2015-27, February 2015.

Tanger, S.M. 2015. Louisiana Timber Market Report: Outlook 2015. Department of Agricultural Economics and Agribusiness. Staff Report No. 2015-23, January 2015.

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Tanger, S.M. 2014. 3rd Quarter Timber Price Report 2014. Department of Agricultural Economics and Agribusiness. Staff Report No. 2014-26, December 2014.

Tanger, S.M. 2014. 2nd Quarter Timber Price Report 2014. Department of Agricultural Economics and Agribusiness. Staff Report No. 2014-08, August 2014.

Tanger, S.M. 2014. Louisiana Timber Market Analysis and Outlook for 2014. Department of Agricultural Economics and Agribusiness. Staff Report No. 2014-07, June 2014.

Tanger, S.M. 2014. 1st Quarter Timber Price Report 2014. Department of Agricultural Economics and Agribusiness. Staff Report No. 2015-20, May 2014.

iii. Research Information Sheets (3)

Tanger, S.M. 2015. Dollar Estimates of Feral Hog Damage to Agriculture in Louisiana. LSU AgCenter Research Information Sheet 113. 12pp. Baton Rouge, LA.

Tanger, S.M. 2014. "The Economic Contribution of Forestry and the Forest Products Industry on Louisiana's Congressional Districts (PDF Format Only)". LSU AgCenter Research Information Sheet 112. 14pp. Baton Rouge, LA.

Tanger, S.M. 2014. "Forestry in Louisiana: The Industry's Contribution to the Louisiana Economy - An Input-Output Analysis 2011 (PDF Format Only)". LSU AgCenter Research Information Sheet 111. 16pp. Baton Rouge, LA.

iv. AgCenter Publications (8)

Tanger, S.M. 2015. Economic Impact of Forestry and Forestry Products in Louisiana: Overview. LSU AgCenter Publication. 3367-G. 2pp

Tanger, S.M. 2015. The Economic Impact of Forestry and Forest Products Industry on Louisiana's 1st Congressional District. LSU AgCenter Publication. 3367-A. 2pp.

Tanger, S.M. 2015. The Economic Impact of Forestry and Forest Products Industry on Louisiana's 2nd Congressional District. LSU AgCenter Publication. 3367-B. 2pp.

Tanger, S.M. 2015. The Economic Impact of Forestry and Forest Products Industry on Louisiana's 3rd Congressional District. LSU AgCenter Publication. 3367-C. 2pp.

Tanger, S.M. 2015. The Economic Impact of Forestry and Forest Products Industry on Louisiana's 4th Congressional District. LSU AgCenter Publication. 3367-D. 2pp.

Tanger, S.M. 2015. The Economic Impact of Forestry and Forest Products Industry on Louisiana's 5th Congressional District. LSU AgCenter Publication. 3367-E. 2pp.

Tanger, S.M. 2015. The Economic Impact of Forestry and Forest Products Industry on Louisiana's 6th Congressional District. LSU AgCenter Publication. 3367-F. 2pp.

v. Extension Bulletins (1)

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Blazier, M.A., Johnson, J., Jernigan, P., Taylor, E.L., Tanger, S. 2015. Management guidelines for establishing eucalyptus plantations in Western Gulf states. LSU AgCenter Extension Bulletin 3426. 12p. Baton Rouge, LA.

F. Mass Media Contributions

i. TV/Radio

“Regional Impacts of Feral Hogs”. Hook N’ Up and Track N’ Down. February 10th, 2016.
www.1130thetiger.com

“Study Feral Hog Damage Estimated at 74 Million”. Original Air Date: Sunday, September 27th, 2015. <http://www.onenewspage.com/video/20150715/3088629/How-much-feral-hogs-cost-Louisiana-farmers.htm>

“\$74 Million in Damage to La. Crops,” https://youtu.be/_1KjXvfqe4g. This week in Louisiana Agriculture. September 18th, 2015.

“Hogs Damage Crops”. https://youtu.be/LMT__Q03zqc. This week in Louisiana Agriculture. July 17th, 2015.

“Feral Hogs are a 74 million dollar problem in Louisiana,” Louisiana Radio Network, with Jeff Palermo. September 1st, 2015.

“Feral hogs causing economic losses” Louisiana Radio Network, with Jeff Palermo. July 13th, 2015.

ii. Newspaper/Web stories

Feral Hog Damage Estimated at 74M. <http://www.kalb.com/home/headlines/Study-Feral-hog-damage-estimated-at-74M-325122801.html>

Southern wood pellets feed Europe. <http://theadvocate.com/news/12695690-123/southern-wood-pellets-feed-europes>

There is new use for our trees. <http://www.theneworleansadvocate.com/opinion/12941107-171/our-views-there-is-a>

Editorial Roundup of Forestry Issues.

<http://www.washingtontimes.com/news/2015/jul/22/louisiana-editorial-roundup/?page=all>

Markets, weather, hot topics. <http://growinglouisiana.com/news/2014/03/markets-weather-hot-topics-forestry-meeting/>

Forestry future looking good. https://www.forestryconnect.com/newsletter/forestry-future-looking-good?utm_source=51st+Issue+of+Newsletter&utm_campaign=51st+-+aiming+for+the+hoop&utm_medium=email

Forestry future looks good in Louisiana. <http://www.lanewsfeed.com/alexandria/forestry-future-looks-good-in-louisiana/>

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Pine logs again sailing out. <http://theadvocate.com/news/9195532-123/pine-logs-again-sailing-out>

G. Extension Presentations

i. Invited Presentations to Clientele Groups

Tanger, S.M. "Alternative land management strategies for forest landowners in depressed markets." Southeastern Chapter of Society of American Foresters, Louisiana, August 4th, 2016.

Tanger, S.M. "The Economic Outlook of Forestry and the Forest Products Industry in the Southeast." 18th Annual CE's by the Sea. July 20th-21st, 2016.

Tanger, S.M. "Markets for Louisiana Stumpage Products." Louisiana Farm Bureau Federation, Marriot Hotel, New Orleans, Louisiana. June 25th, 2016.

Tanger, S.M. "Feral Hog Damage to the Central Region". Dewitt Livestock Arena, Alexandria LA, May 31st, 2016.

Tanger, S.M. "Western Gulf Forest Insight Conference Demand for Pine Timber in the Western Region: Today and Tomorrow". Shreveport Convention Center Shreveport, LA. April 26-27, 2016

Tanger, S.M. "What can forestry extension do for you?" Livingston Parish Forestry Association, Fair Grounds, Livingston, Louisiana. March 15th, 2016.

Tanger, S.M. "Forestry Market Outlook." Central Louisiana Forestry Forum, Alexandria, Louisiana, March 15th, 2016.

Tanger, S.M. "Forestry Market Outlook". Ark-La-Tex Forestry Forum. Shreveport, Louisiana March 3rd, 2016.

Tanger, S.M. "2016 Forestry Market Outlook". Louisiana Agricultural Expo, Louisiana State University, Monroe, Louisiana. January 15th, 2016.

Tanger, S.M. "Markets for Louisiana Stumpage Products." Louisiana Farm Bureau Federation, Marriot Hotel, New Orleans, Louisiana. June 27th, 2015.

Tanger, S.M. "Timber Sales– What You Need to Know." Redstick Forestry Association, Louisiana State University, Baton Rouge, La April 16, 2015

Tanger, S.M. "Socioeconomic Impact of Feral Hogs in Louisiana." Southwest LA Forestry Association Meeting, Louisiana State University, Deridder, LA April 11, 2015.

Tanger, S.M. "What's going on with Timber Prices and the Economy?" Florida Parishes Forestry Forum, Southeastern Louisiana University, Hammond, La. March 20th, 2015.

Tanger, S.M. "Southwest Forestry Economic Outlook". Southwest LAFA Annual Meeting, Deridder, Louisiana, March 14th, 2015.

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Tanger, S.M. “Feral Hog Damage Estimates in Louisiana”. Idlewild Wildlife Board Meeting, Clinton, Louisiana, February 26th, 2015

Tanger, S.M. “Tax Impacts of Logging for West Feliciana”. West Feliciana Police Jury, Bank of Saint Francisville, St. Francisville, Louisiana, September 29th, 2014.

Tanger, S.M. “Louisiana Forestry Market Outlook.” Southeastern Chapter of Society of American Foresters, Louisiana, July 24th, 2014.

Tanger, S.M. “Markets for Louisiana Stumpage Products.” Louisiana Farm Bureau Federation, Marriot Hotel, New Orleans, LA June 28th, 2014.

Tanger, S.M. “Economic Impact of Forestry in Louisiana and Current Projects”. Louisiana Forestry Commission, Baton Rouge, Louisiana. June 24th, 2014.

Tanger, S.M. “Wood Pellets in Louisiana”. Kiwanis Club Meeting. Louisiana State University, Baton Rouge, Louisiana. June 17th, 2014.

Tanger, S.M. “What can forestry extension do for you?” St. Tammany Forestry Association, Louisiana State University, Baton Rouge, Louisiana. October 19th, 2014.

Tanger, S.M. “Timber Market Effects of Increased Wood Energy Demand.” Florida Parishes Forestry Forum, Southeastern Louisiana University, Hammond, La. March 14th, 2014.

Tanger, S.M. “Marketing Timber 101”. Southwest LAFA Annual Meeting, Deridder, Louisiana, March 8th, 2014.

Tanger, S.M. “Marketing Timber 101”. Ark-La-Tex Forestry Forum. Shreveport, Louisiana March 6th, 2014.

Tanger, S.M. “Forestry Market Outlook.” Central Louisiana Forestry Forum, Alexandria, Louisiana, February 25th, 2014.

ii. Other Presentations (3)

Louisiana State University Seminar Series. “Determinants of Forestry Campaign Contributions to the US House of Representatives”. Martin D. Woodin Hall, Baton Rouge, LA April 15th, 2016.

Louisiana State University Seminar Series. “Supply and Demand Econometric Analysis”. Martin D. Woodin Hall, Baton Rouge, LA October 16th, 2015.

Auburn University Seminar Series September 2nd, 2011: Measuring payoffs to Cosponsorship activity in the U.S. House of Representatives.

3. Research Activities

A. Research Publications

(NOTE: Underlined names are S.M. Tanger's graduate students.)

i. Refereed Journal Articles

R. Parajuli, S.M. Tanger, O. Joshi and J.E. Henderson. 2016. "Estimating Regional Softwood Stumpage Prices in the Southern United States," *Forests* accepted.

Tanger, S.M., F.H. Masum, M. A. Blazier and A.G. Holley. 2016. "Factors that Influence Sales of Forestry-Related Specialty License Plates in Southern United States," *Forests* accepted.

Tanger, S.M., K.D. Guidry, and H. Niu. 2015. "Monetary Estimates of Feral Hog Damage to Agricultural Producers in Louisiana," *Journal of the National Association of County Agricultural Agents* 8 (2).

Tanger, S.M., D.N. Laband, P. Zeng, and W. Morse. 2011. "Macroeconomic conditions: Do they affect environmental policy?" *Ecological Economics* 70 (6): 1109-1120.

Tanger, S.M., D.N. Laband, and P. Zeng. (2011). "Party Polarization: Congressional Divergence on Environmental Policy from 1970-2008," *Journal of Natural Resources Policy Research* 3 (2): 183-202.

Tanger, S.M. and D.N. Laband. 2009. "An Empirical Analysis of Bill Cosponsorship in the U.S. Senate: The Tree Act of 2007," *Forest Policy and Economics* 11(4): 260-265.

Tanger, S. M. and D.N. Laband. 2008. "Attitudes About Children Learning to Hunt: Implications for Game Management," *Human Dimensions of Wildlife*, 13(4): 298.

ii. Resubmitted

Joshi, O., J.E. Henderson, S.M. Tanger, L. Boby, M. Pelki, and E. Taylor. 2016. A survey on contribution analysis of forestry and forest-related industries in the US South," *Journal of Forestry*

Henderson, J.E., O. Joshi, S.M. Tanger, L. Boby, and M. Pelki. 2016. "Standard Procedures and Methods for economic impact and contribution analysis in the forest products sector," *Journal of Forestry*

iii. Under Review

Zhang, D. and S.M. Tanger. 2016. "Money for Signatures or Signatures for Money: An Empirical Analysis of the 2007 Tree Act," *American Journal of Agricultural Economics*

Das, J.,¹ S.M. Tanger, L. Kennedy and R. Vlosky. 2016. "A Study on the Effect of Regulatory Quality on Forest Products Imports by India, Using an Augmented Gravity Model," *International Forestry Review*

S.M. Tanger, R. Vlosky, and M. Kaller. 2016. "The Fear Factor: Psychological and Social Impacts of Feral Hogs on Farmers in Louisiana," *Human Wildlife Interactions*

¹ PhD Candidate

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iv. Working Papers

Tanger, S.M., R.A. Seals Jr. and D.N. Laband. 2012. "Does Bill Co-sponsorship Affect Campaign Contributions: Evidence from the U.S. House of Representatives, 2000-2008," Auburn Economics Working Paper Series, Department of Economics, Auburn University.

v. Published Conference Proceedings

Blazier, M.A., Holley, A.G., Tanger, S.M., Clason, T.R., and Taylor, E.L. 2015. Rotation-length effects of diverse levels of competition control and pre-commercial thinning on stand development and financial performance of loblolly pine in central Louisiana. Proceedings of the Biennial Southern Silviculture Research Conference.

Tanger, S.M. 2010. "The Impact of State Urban-Rural Composition on Environmental Policy," Emerging Issues Along Urban-Rural Interfaces, 3: 38-44.

vi. Abstracts

Tanger, S.M., D. Zhang, and J.E. Henderson. 2016. Determinants of Forestry-Related Campaign Contributions to the House of Representatives. International Society of Forest Resource Economists.

B. Research Related Presentations

i. Professional Conferences (8)

Association of Natural Resource Extension Professionals. "Sales of Forestry-Related Specialty License Plates in Southern United States: A County Level Empirical Analysis." Burlington, VT, June 26th-29th, 2016.

The International Society of Forest Resource Economics. "Campaign Contributions from Forestry to the US House of Representatives". Raleigh, NC, April 5th, 2016.

Delta States Meeting. "Socioeconomic Impact of Feral Hogs in Louisiana". Vicksburg, MS, May 27th, 2015.

Multi-state Society of American Foresters Conference. "Economics of Adaptive Silviculture." Texarkana, TX. January 29th 2015.

SOFEW Annual Meeting, Forestland Ownership Change in the South: Implications for Management, Production, and Conservation (speaker): Money for Signatures or Signatures for Money: An Empirical Analysis of the 2007 Tree Act. March 10th- 12th, 2013.

Urban/Rural Interfaces Conference: Emerging issues 3, April 11-14, 2010 The Impact of State Urban-Rural Composition on Environmental Policy.

SAF National Convention, November 5-9, 2008 Forestry in a climate of change: 1st annual policy symposium (speaker): Federal Expenditures for State Forestry Programs: A study of contributing factors

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SOFEW Annual Meeting, March 9 – 11, 2008 Forestland Ownership Change in the South: Implications for Management, Production, and Conservation (speaker): An Empirical Analysis of Bill Co-sponsorship in the U.S. Senate: The Tree Act of 2007

4. Teaching and Instructional Activities (Resident and Non-Resident)

A. Courses Taught

FORY 5400/6400 Forest Economics (3) LEC. 2. LAB. 3. Marginal analysis, investment theory, resource supply, economics of conservation, and taxation principles applied to forestry. Structure and performance of forest products markets. Spring.

ECON 3100 Law and Economics (3) LEC. 3. Description of the many substantive areas in which law has an economics foundation and an analysis of how law affects economic relations.

ECON 3800 Public Choice (3) LEC. 3. Economic analysis of public sector decision making. Emphasis on actions taken by voters, bureaucrats, and lobbyists elected to influence public sector outcomes.

ECON 2020/2023 Principles of Microeconomics (3) LEC. 3. Economic principles emphasizing scarcity and choice, consumer behavior, supply and demand, markets, production and cost, globalization of markets, role of government, and market and government failure.

ECON 2030/2033 Principles of Macroeconomics (3) LEC. 3. Economic principles emphasizing economic aggregates, including measuring economic performance, macroeconomic theory, inflation and unemployment, money and banking, and fiscal and monetary policy

B. Guest Lectures

FOWS 5270 Natural Resource Policy. Examination of attitudes, philosophies and policies that govern management of the natural resource.

AGEC 4273 Agricultural Price Analysis. Economic processes of price discovery and price determination in agricultural input and output markets; emphasis on methods of price analysis and their application to decision processes; analysis of cyclical, trend and seasonal movements in prices.

AGEC 4443 Farm and Rural Land Appraisal. Theory, methods and procedures of real estate appraisal applied to rural property; trends in rural real estate values; factors influencing rural real estate values; approaches used in rural real estate valuation.

C. Youth

8 4-Hers and 6 adults participated in a 4-H forestry contest training.

15 4-Hers competed in the state 4-H forestry contest.

4 4-Hers and 3 agents participated in the 4-day state 4-H forestry team training in preparation for the national 4-H forestry contest.

102 students and 35 adults participated in the Area IV FFA forestry contest.

D. Non-Resident Teaching Programs

Cushing, Tamara (w/Shawn Tanger and Allen and Ginny Nipper). Ties to the Land.

Appointment: 75% Extension, 25% Research

Wang, Linda (w/Shawn Tanger). Cenla Timber Tax Workshop. Country Inn and Suites, Pineville, LA. November 20th 2014.

Wang, Linda (w/Shawn Tanger). Florida Parishes Timber Tax Workshop. Efferson Hall, LSU, Baton Rouge, LA. November 19th, 2014.

E. Advising Activities

i. Major Professor

Joy Das, PhD candidate

ii. Committee Member

iii. Student Workers

Cole Wolf; Luke Habetz; Maristela Abreu; Celine Richard

iv. Recruiting

5. External Funding, Material Support, Contracts and Grants

A. Funded

Project/Proposal Title: Timber Product Outputs Survey Collection and Wood Utilization Studies. USDA Forest Service Cooperative Agreement. 2016-2017. Principal Investigator. \$80,828

Project/Proposal Title: Trends in Louisiana's Logging Industry. Co-PI. Source of Support: Louisiana Department of Agriculture and Forestry. Award Amount: \$25,000. Period Covered: 2016.

Project/Proposal Title: Impact of Feral Hog damage to Louisiana Farmers. Principle Investigator. Source of Support: LSU AgCenter. Award Amount: \$58,000. Period Covered: 2014.

Project/Proposal Title: Alabama Forests Forever Foundation. Co-PI. Source of Support: Alabama Forests Forever. Award Amount: \$10,000 Period Covered: 2011-2012

B. Unfunded

Project/Proposal Title: Drought Risk Outreach for Western Gulf Forest Landowners. Principle Investigator. 2014.

Project/Proposal Title: Using Locally Sourced Woody Biomass to Generate Renewable Steam-Driven Electrical Power. Co-PI. 2015.

Project/Proposal Title: Enhancing Landowner-Producer Relationships and Mitigating Farm Business and Financial Risk through Landowner Education. Co-PI. \$49,980.

Project/Proposal Title: Alternative application practices for poultry litter as fertilizer in the Western Gulf region. Co-PI. \$499,000.

C. Pending

Project/Proposal Title: A replicable economic contribution analysis framework of forestry and forest products for Extension application. Co-PI. \$60,000.

Appointment: 75% Extension, 25% Research

Project/Proposal Title: Determining the supply potential and logistics of using woody biomass residues from thinning forests established by the Conservation Reserve Program in the Lower Mississippi Alluvial Valley of Louisiana and Arkansas. Co-PI. \$149,880.

6. Participation in and Leadership of Professional Service/Organizations/Committees

A. Membership in Professional Organizations:

- 2010- Society of American Foresters, Member
- 2013- Louisiana Society of American Foresters, Member
- 2013- Southeastern Chapter of the Louisiana Society of American Foresters, Member
- 2016 Association of Natural Resource Extension Professionals, Member
- 2013- Louisiana Association of County Agricultural Agents, Member
- 2013- Southern Regional Extension Forestry, Member
- 2005- Southern Forest Economics Workshop, Member
- 2015- Center for Natural Resource Economics & Policy, Member
- 2013- Louisiana Forestry Association, Member

B. Awards and Recognition

- 2015 Recipient of the Award for Excellence for Exceptional Programming, Southern Regional Extension Forestry.
- 2015 Recipient of the Spark Plug Award, Louisiana Society of American Foresters.
- 2014 Co-recipient of the Denver T. and Ferne Loupe Extension Team Award, Louisiana State University AgCenter.
- 2013 Gamma Sigma Delta Honor Society of Agriculture, Louisiana State University.

C. University Service

- 2016 Member, Search Committee for Crop Production Economics faculty position, Department of Agricultural Economics and Agribusiness
- 2016 Member, CNREP planning committee and conference organization.
- 2016 Member, Committee to form dual degree program with Slovak University of Agriculture in Nitra.
- 2015 Member, Search Committee Department Head, Department of Agricultural Economics and Agribusiness
- 2014 LSU AgCenter Graduate Student Search Committee
- 2014 Member, Don E. Welge Endowed Professorship Search Committee

Appointment: 75% Extension, 25% Research

D. Professional Service

- 2016 Moderator; CNREP Conference. March 24 - 26, 2013. New Orleans, Louisiana.
- 2015 Moderator, National Extension Forestry Conference,
- 2014-Present Louisiana Manufacturing Council
- 2014-Present Louisiana Forest Products Council
- 2015 Tax Study Task Force, Economist
- 2016 Louisiana Forestry Association Board Member. Elected position.
- 2015 National Extension Forestry Conference, Planning Committee Member
- 2013-Present Gamma Delta Sigma

E. Other External Committees and Community Service

- i. Regions Bank and Landowner-Consulted landowner on timber management plan provided by forest consultant.
- ii. Value Added Grant--Generated input cost data for feral hog processing pilot program. Grant successfully awarded to landowner.
- iii. West Feliciana Police Jury--Provided materials and presentation on the benefits of logging to the parish and was successful in reducing cost of performance bond required by loggers.