

**Curriculum Vita
William Gary Hubbard
2021**

**Assistant Director
University of Maryland Extension
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Organization of Materials

Education, Work Experience and Major Awards/Honors

Accomplishments and Achievements

**Most notable achievements or advancements
Leadership contributions beyond administrative area**

Extension Programming Achievements

**Academic Service
Professional Service
Conference and Short Course Leadership
Professional Affiliations
Creative and Technical Works
Media and eLearning Products
Undergraduate Teaching Activities
Publications
Presentations
Grants and Contracts**

Education, Work Experience and Major Awards/Honors

Higher Education

Pre-professional Coursework The University of Wisconsin – Stevens Point. 1981.

Major: Natural Resource Management

B.S. The University of Florida, School of Forest Resources & Conservation. Institute of Food and Agriculture (IFAS). 1985.

Major: Forest Management

M.S. The University of Florida, School of Forest Resources & Conservation. Institute of Food and Agriculture (IFAS). 1987.

Major: Forest Economics. **Thesis title:** *Estimating the profitability of returns to private forest landowners receiving professional forestry assistance in Northeast Florida.*

Ph. D. University of Georgia. College of Education, Department of Lifelong Education, Administration and Policy, 2010. Summa Cum Laude.

Major: Adult Education and Program Evaluation. **Dissertation title:** *Application of theory-based evaluation on a voluntary nonformal adult education program.*

Work Experience

Assistant Director & Program Leader-Natural Resources & Sea Grant Programs, University of Maryland, College Park, MD 2018-present

Southern Regional Extension Forester, University of Georgia, Athens, GA 1993-2018

Extension Forester and Instructor, University of Florida, Gainesville, FL 1988-1993

Staff Economist, University of Florida, Gainesville, FL 1987-1988

Major Awards and Honors

National Outstanding Eagle Scout Award, Boy Scouts of America, 2021

Distinguished Service Award, Association of Natural Resource Extension Professionals (ANREP), 2020.

Fellow, Society of American Foresters. 2018.

Team Awardee: PINEMAP. USDA Secretary of Agriculture. 2017.

Significant Achievement Award. Shortleaf Pine Initiative. 2015.

Two Chief's Award for Technology Transfer. NRCS & Forest Service. 2012.

Public Education & Technology Transfer Award, Society of American Foresters. 2012.

Southern Centennial Forum Award. USDA Forest Service. 2010.

Extension Forester of the Year. Forest Landowners Association. 2005.

Group Honor Award – Master Tree Farmer. USDA Secretary of Agriculture. 2004.

Outstanding Educator Award. American Distance Education Consortium (ADEC). 2004.

Hardtner Award for Landowner Education. Southern Group of State Foresters. 2004.

Chief's National Award for Technology Transfer. USDA Forest Service. 2003

President's Award. Association of Natural Resource Extension Professionals. 2002.

Merit Award. USDA Forest Service. 2001.

Certificate of Merit. USDA CSREES. 2001.

Eagle Scout Award, Boy Scouts of America. 1976.

Accomplishments and Achievements

I. Notable Administrative Achievements and Advancements in Extension

(Assistant Extension Director)

- Statewide administration and program leadership for over 40 University of Maryland (UMD) tenure and nontenure track faculty and staff members in forestry and natural resources, energy, climate, coastal resilience, home horticulture, Master Gardener, watershed, seafood safety and marketing, and aquaculture programs.
- Leadership and administration of the Maryland Sea Grant Extension program.
- Principal Investigator (PI) or Co Principal Investigator (CoPI) on over \$2,000,000 in awarded grants and contracts including college of agriculture and other colleges on campus.
- CoPI on over \$15,000,000 in pending grants and contracts, including college of agriculture and other colleges on campus.
- Leadership to develop reopening guidelines following CoVid-19 pandemic.
- Active leadership in planning statewide training efforts regarding diversity, equity, inclusion and environmental justice to Extension's state and county based delivery system.
- MidAtlantic Leadership in coordinating regional meeting for Sea Grant Specialists and Agents.
- Cooperative leadership with the University of Florence, Italy to develop Extension programs of mutual benefit to University of Maryland.

(Southern Regional Extension Forester)

- Regional specialist hired by the Association of Southern Region Extension Directors (ASRED) and the USDA Forest Service to serve as a regional liaison and coordinator.
- Successfully built a regional program from 1.5 FTEs to 14.0 FTEs while assisting 13 state Extension forestry programs with strengthening their state and regional capacities over a 25 year period.
- Provided services and support that directly or indirectly resulted in participating land grant universities receiving over \$60 million in grants (Extension PI for example on 3 major NIFA grants totaling \$45 million in grants (PINEMAP, SE-IBSS and SPARC)).
- PI or CoPI on over \$6 million in grants and contracts at the University of Georgia.
- Project lead and PI on the 2012-2016 USDA-RREA Strategic Planning Effort.

- State, regional and national leadership in the area of climate change education in both agriculture and natural resources through projects such as the climatelearning.net, eXtension efforts, and climatesciencewebinars.net.
- Active participation on the National Forestry 4H Invitational Committee.
- Early leadership with Southern Forestry GIS conferences.
- Leadership of a regional peer reviewed Extension publication series.
- Leadership and CoPI with professor from NCSU for online webinar portal platform serving all universities in the Southern region and several federal agencies including the Natural Resources Conservation Service and Forest Service.
- Administrative and project oversight to develop several websites, decision support tools and mobile applications including the service foresters handbook, wildland fire educational tools, timbertax.net and several other technologies.
- Regional leadership to develop award winning programs such as the Master Tree Farmer and Master Wildlifer Satellite Programs.
- National leadership for the systemwide “Natural Resources & Environmental Management (NREM) Base Program”.
- Regional leadership and editing for Forest Landowners Associations’ “Woodlands Management Course” for forest owners.
- Leadership to develop several online eLearning courses at elearn.sref.info

(Statewide Extension Forester and Instructor)

- Leadership and CoPI of “The Urban Forestry Institute”
- Team member to develop and coordinate a 2x2 matriculation agreement between UF and FAMU to increase African American student interest in forestry studies and professions.
- Author or co-author on numerous Extension and refereed publications and guides.
- Coordinated numerous county, state and multistate forestry meetings.
- Developed microcomputer-based software for early PCs.
- Served as state Extension forest stewardship forester for the Florida Forest Stewardship Program.
- Taught timber tax and forest finance to landowners, county agents and forestry professionals.
- Led television and radio presentations on alternative enterprises, timber taxes and forest finance.
- Taught senior level courses in forest management and forest economics.

II. Leadership Contributions Beyond Administrative Area

(Assistant Extension Director)

- USDA NIFA Panel Leader on Climate Hub-Extension Special Grants Program competitive grants review panel (2021)

- USDA NIFA RREA Panel Leader on focus funds competitive grants review panel (2019, 2020)
- Part of international team to bridge agriculture and natural resources service learning and Extension between the University of Maryland and the Universities of Perugia and Florence in Italy.
- Serve as College of Agriculture and Natural Resources liaison and representative of UMD's Solar Decathlon Team.
- Serve on the board of the National Woodland Owner's Association (NWOA)
- Serve on the board and chaired the External Review Panel of the Sustainable Forestry Initiative.
- Serve on the National USDA Secretary of Agriculture's Urban Forestry Advisory Council (National Urban & Community Forestry Advisory Council)
- Serve on the National Forestry 4H Invitational Board

(Southern Regional Extension Forester)

- Assumed leadership of International Extension Forestry Working Group (EKE) of IUFRO
- Served several offices within the ANREP organization, served as Executive Secretary for ANREP for 20 years.
- Serve on the board of the National Woodland Owner's Association (NWOA)
- Serve on the board and chaired the External Review Panel of the Sustainable Forestry Initiative.
- Serve on the National USDA Secretary of Agriculture's Urban Forestry Advisory Council (National Urban & Community Forestry Advisory Council)
- Serve on the National Forestry 4H Invitational Board

(Statewide Extension Forester)

- Part of a USAID effort to develop natural resources, soil conservation, community development and wildlife recommendations into existing USAID program in Zaire, Africa.
- Provided faculty advisory leadership to undergraduate forestry club and undergraduate SAF chapters.
- Provided technical and Extension input on woody-based bioenergy to several universities in Costa Rica, Central America.
- Served as Florida SAF Communications Chair.
- Served on Hurricane Andrew Urban Forestry Task Force.

Extension Programming Achievements

Academic Service

2018-present	Phd Committee - Paudel K., Warnell School of Forestry & Natural Resources, April 17, 2017–Present <i>Using Advanced Spatiotemporal Models for Assessing Trade-Offs Across Ecosystem Services in the Context of Southern Longleaf Pine Ecosystems</i> (Doctoral advisory committee member - In process)
2016-2018	ProForest Health Consortium – The University of Florida
2015	Search and Screen Committee – Geospatial Analytics Assistant Professor position, SFRC, UF
2014	Search and Screen Committee – Associate Dean for Extension, College of Agriculture and Environmental Sciences (CAES), UGA
2012-2015	Bioenergy Systems Research Institute, UGA Executive Committee, Outreach Committee
2007-2015	Promotions and Appeals Committee, College of Agriculture, UGA
2004 –2012	Member, Urban Agriculture Advisory Committee, UGA
2000	Facilitator, District ANR Program Leaders Planning Effort, CAES, UGA
2000-2012	Liaison to the Forest Landowners Association, UGA
2000-2012	Liaison to the Georgia Forestry Association, UGA
2003-2004	Member, Extension Delivery Task Force, UGA
1993-2013	State 4-H Contest Judge, UGA
2000-2012	Member, Forestry/Wildlife Outreach Committee, UGA
2009-2014	Affiliate Faculty Member, UGA – Warnell School of Forestry & Natural Resources
2000-2014	Member, Southern Forestry GIS Conference Planning Committee, UGA
2000	Facilitator – Georgia Prescribed Burning Council, UGA
1996	Search Committee Member, Public Service Faculty Member, UGA

Professional Service

(International Service)

2018-2023	Deputy Director and member, IUFRO Extension & Knowledge Exchange (EKE) Working Group
2019-present	University of Florence, Italy, University of Perugia, Italy, -University of Maryland, College Park Study Abroad Program in Agriculture and Natural Resources Extension, applied research and teaching.
2001-present	IUFRO Working Party Member – Small Scale Forestry and Extension/Technology Transfer Working Parties
2014	UGA-Costa Rica Technical University Science and Extension Exchange Program
2005	Chinese delegation host partner. Athens, GA.
2004	Afghanistan forestry and natural resources field day and conference, Athens, GA (conference organizer).

- 1998 Internet Tools Café Coordinator, International Society of Arboriculture, Birmingham, England (August, 1998)
- 1991 University of Florida – Southeast Consortium for International Development (SECID) Member, USAID Contractor, Zaire, Africa (March/April, 1991)

(National Committee Membership and Service):

- 2018-2019 USDA NIFA Panel Manager – RREA Focus Funds Competitive Grant Program
- 2012-Present Secretary of Agriculture’s National Urban and Community Forestry Advisory Council (NUCFAC), Annual Report & Accomplishments Chair
- 2013-Present Board of Directors, National Woodland Owners Association, Southern Director
- 2013-Present External Review Panel (ERP) of the Sustainable Forestry Initiative SFI® Chair
- 2006-Present National 4-H Forestry Invitational Management Committee
- 2015 National Extension Foresters Meeting, Planning Committee
- 2012-2013 Galaxy Planning Committee (Silent Auction Subcommittee Member)
- 2008-2011 North American Agroforestry Conference Planning Conference
- 2009-2013 Outreach and Education Committee, Woodlands Committee, American Forest Foundation
- 2005-2012 NC Agromedicine Institute Board of Directors
- 2005-2012 Forest Landowners Association Communications and Editorial Board
- 2005-2007 RREA Indicators and Accountability Team
- 2003-2012 National Operating Committee – National Tree Farm System
- 2002-2004 Renewable Resources Extension Act (RREA) Strategic Planning Committee
- 2001-2003 Strategic Planning Council of the Extension Committee on Organization and Policy (ECOP)
- 1998-2014 Association of Natural Resources Extension Professionals (ANREP) Board of Directors and Conference Planning Committees
- 2002 - 2008 Advisory Committee – National Web-based Center for Nonfederal Forest and Rangelands (Marketing and Strategic Planning Subcommittees)
- 2000-2008 Communications Committee – National Society of American Foresters
- 2001 Association of Natural Resource Extension Professionals (ANREP) (Past President)
- 2000 Association of Natural Resource Extension Professionals (ANREP) (President)
- 1999 Association of Natural Resource Extension Professionals (ANREP) (President-Elect)
- 1995 American Forest and Paper Association (AFPA) Landowner Assistance Program Subcommittee
- 1994-2004 National SAF/Extension Foresters Annual Meeting Planning Committee
- 1994-2002 National Support Team - Natural Resources & Environmental Management (NREM) Base Program
- 2000 Southern Forest Science Conference Committee, Communications and Publicity Chair
- 2000-2001 Coalition for Sustaining America's Nonfederal Forests – National NAPFSC Committee, Extension Committee Member -
- 1998,1999 Board of Directors, Forest Resources Systems Institute (FORS), Chairman
- 1997,1998 Association of Natural Resource Extension Professionals, Southern Chair

1995-2000 Communications Committee, Assoc. Nat. Res. Ext. Prof., Chair,
1995-2000 Board of Directors, Forest Resources Systems Institute
1995-1997 Southern Regional Editor – The Forest Steward Newsletter
1993-2010 Regional Editor – National Woodlands Magazine
1993-1998 Forest Industry Training and Education Council (FITEC)
1998 Scoping Committee - Barriers and Needs in Forest Certification Outreach
1997,1998 Program Committee - 1st National Extension Natural Resource Professionals Meeting
1997 Planning Committee, Program Committee - 8th National Urban Forestry Conference
1997 Program Committee - Nonindustrial Private Forest Landowner Conference
1996-1998 Awards Committee - NREM Flagship Programs of the Extension Service
1996 Planning Committee - SAF Ecosystem Management Videoconference and Sustainable Forestry Videoconference

(Regional Service)

2019-present MidAtlantic Sea Grant Extension Program Leaders Network
2017-present Board Member, Southeastern Coastal Center for Agricultural Health and Safety, Gainesville, FL
2017 Facilitator, Smoke Summit III with EPA, FS and state forest and air quality agency personnel.
2013- 2017 Advisory Committee Southern IPM Center, Member
2014-2017 Society of American Foresters, Silent Auction Chair
2011-2012 Southeastern Society of American Foresters, Secretary
2008-2011 Southern Forest Research Partnership, Executive Committee
2006-2011 Southern Science Advisory Council, USDA FS
2004-2012 Southern Regional GIS Planning Conference
2006 USDA Forest Service National Seed Lab Strategic Planning Facilitator
2004 Southern USDA Forest Service Centennial Forum on Forest Management and Research, Forum Facilitator
2004-2005 Southern Alliance for the Utilization of Biomass Resources
2003-2012 Steering Committee – Southern Roundtable on Sustainable Forests
2000–2012 Southern Wildland-Urban Interface Council
2004 Southern Journal of Applied Forestry, Guest Editor
2004-2014 Southern Regional Extension Forestry Publication Series, Editor
2002 Southern Journal of Applied Forestry, Guest Editor
1998 Program Committee - Southern Forest Sustainability Conference
1998 Program Committee - Southern Forest Landowner Conference
1997,1998 Program Committee - Longleaf Pine Alliance Conference
1993-2012 Southern Regional Extension Forestry Awards Program, Chair
1993-1997 Rural Development Proposal Reviewer (USDA Forest Service)
1996 Southern Forestry GIS Conference
1994 Planning Committee - Education and Communication Applications in Natural Resource Management, Chair
1989-1993 Southern Extension Forest Resource Specialists, Vice Chair

(State Service)

- 2019-present Board Member, Maryland Department of Planning/Patuxent River Commission, Baltimore, MD. (December 2019 - Present).
- 2019-present Member, University of Maryland Center for Environmental Science: Horn Point Hatchery Advisory Council, Cambridge.
- 2011-2015 UGA Bioenergy Institute (member – Executive Committee, member – Outreach Committee)
- 2008-2012 UGA College of Agricultural & Environmental Sciences Bioenergy Task Force
- 2009 Facilitator – Georgia Reforestation and Nursery Committee Strategic Planning Sessions
- 2004-2008 Georgia Tree Farm Committee
- 2002 Southeastern (Georgia) Society of American Foresters – Symposium Chair
- 2000-2012 Georgia Master Tree Farmer/Master Wildlifer Planning Committee
- 1998 Facilitator Texas Forest Service - Texas Forest Summit
- 1993-1997 Georgia Center for Continuing Education Forestry Committee, The The University of Georgia
- 1992,1993 Florida SAF Policy and Legislation Committee
- 1992 Search and Screen Committee - Assistant Professor - Forest Management, University of Florida
- 1990-1992 University of Florida/Florida A&M University Matriculation Committee
- 1991, 1992 Florida Section Society of American Foresters Secretary/Treasurer
- 1990 Annual Florida SAF Conference, Chair
- 1990-1993 Florida Continuing Education (CFE) Contact, Society of American Foresters
- 1989, 1990 Florida Society of American Foresters Student Chapter Advisor
- 1988-1993 Urban Forestry Grant Proposal Reviewer (Florida Division of Forestry)

Conference and Short Course Leadership

- 2020 MidAtlantic Sea Grant Biannual Network Meeting, Ocean City, Maryland (held virtually)
- 2018 Joint Unit Leaders/Master Tree Farmer Planning Meeting, Kanuga, North Carolina
- 2017 Southern Extension Forestry & Natural Resources Retreat, Cheaha, Alabama
- 2015 Southern Forestry Impact Workshop, Little Rock, Arkansas
- 2015 Growing Pines in Changing Times – Workshop, Tifton, Georgia
- 2014 Southern Regional Extension Climate Academy, Member of Steering Committee
- 2014 Association of Natural Resource Extension Professionals National Conference Steering Committee Member
- 2013 Southern Forestry GIS Conference Steering Committee Member
- 2011 North American Agroforestry Conference (NAAC), Committee Member

1998-2012	Association of Natural Resources Extension Professionals (ANREP) Biannual Conference Planning Committee Member
2010	Alternative Enterprises for Farm and Forest Owners, Athens, GA
2006	Southern Regional Conference on Technology Transfer and Extension in Natural Resources, Hot Springs, Arkansas.
2004-2018	Forestry for Non Foresters Shortcourse (Program Co-Director)
2000-2008	Regional Master Tree Farmer/Master Wildlifer Program Regional Satellite videoconference shortcourses (Co-Coordinator)
2003	Southern Extension Natural Resources Triennial Conference (Program Chair)
2002	New Dimensions for the New Millennium – Urban & Community Forestry Satellite Shortcourse for Professionals (Co-Coordinator)
2002	Slash Pine Symposium – Florida-Georgia SAF Symposium (Conference Chair)
2002-2018	Southern Forestry Geographical Information Systems Conferences (Conference Co-Chair)
2002	Coordinator – Forest Certification – A Forest Landowner Update – Regional satellite broadcast for forest landowners.
2002	FORPLAN Training for Forestry Professionals (Coordinator)
1991-99	Urban Forestry Institute – University of Florida – (Co-Director)
1998	GIS Training for Forestry Professionals (Coordinator)
1998	Southern Forestry Geographical Information Systems Conferences (Conference Co-Chair)
1997	Southern Forest-Based Economic Development Academy. (Conference Chair)
1996	Southern Forestry Geographical Information Systems Conferences (Conference Co-Chair)
1996	Southern Extension Natural Resources Triennial Conference (Program Chair)
1995	Education and Communication Applications in Natural Resource Management Conferences (Conference Chair).

Professional Affiliations

Member	Society of American Foresters (SAF)
Member	Association of Natural Resource Extension Professionals (ANREP)
Member	Xi Sigma Pi – National Forestry Honor Society (XSP)
Member	International Union of Forest Research Organizations (IUFRO)

Creative and Technical Works

- **Climatelearning.net** - CLN eLearning is designed to help Extension Professionals, Professional Crop Advisors and Professional Foresters incorporate climate change into their existing program areas and become ‘climate literate’. Many modules offer Continuing Education Credits from SAF and CCA.
- **Service Forester’s Toolkit Mobile App – Available on the Itunes Store and Google Play Store.** First extensive forestry mobile application available for practicing professionals and forest landowners.

- **Online Extension Forestry & Wood Products Directory** (<http://www.efwpdirectory.sref.info>). Fully searchable and printable national directory of over 350 Extension specialists and agents.
- **Forest Products Locator Network:** (<http://forestproductslocator.net>) - Google Maps Based Internet Application to assist in locating primary forest products companies and their contact information.
- **The Forest Encyclopedia Network (FEN)** (<http://www.forestencyclopedia.net>) – This website house two encyclopedias; Southern Appalachian Ecosystems and Southern Fire Science. Evaluation stage one completed. Work progressing to move this to a national network.
- **Urban Forestry South Expo Website** (<http://plone.urbanforestrysouth.org>) – This multiauthoring system holds the South’s urban and community forestry information.
- **Reforestation, Nurseries and Genetics Website** (<http://www.rngr.net>) – This website is designed for use by those in the reforestation, nursery and genetics fields of forestry.
- **AVID Mobile Application – Assessing Vegetation Impacts on Deer** – Citizen Science application to determine the amount and level of deer damage in the forest.
- **Forestry Index** (<http://www.forestryindex.net>) – This website is an online searchable database of over 2,000 natural resources Extension and related educational links, publications and materials.
- **Forestryimpacts.net** – This website houses current and post forest economic impact reports and data for the 13 Southern state region.
- **Southernforesthealth.net** – This website was created to service 13 southern state extension and forestry agency professionals in the area of forest health.
- **MyFence Mobile Application** – Fencing Costs Calculator

Media and e-Learning Production

- **Urban Forestry Energy Savings Video Series** (with Holly Campbell) located at http://articles.extension.org/trees_for_energy_conservation
- **Urban Forestry eLearn** (with Sarah Ashton) – 15 modules available at elearn.sref.info
- **Economics of Longleaf Pine Production** (with Sarah Ashston) – available at longleaf.sref.info
- **Spanish Language Tree Planting Video** – available on video and DVD (in both English and Spanish). (Project Director)
- **NREM BASE** – Software Program for the PC – Searchable database of natural resource and environmental management programs of the Cooperative Extension System (Project Director)
- **FORINSY-PC** – Software Program for the PC – Forestry information software (Project Director)
- **DISCO** – Forestry Investment Analysis Software (Co-Producer)

Undergraduate Teaching Activities –

Invited guest lecturer – Freshman Odyssey Course – The University of Georgia – Extension as A Career Field

Invited guest lecturer - Urban Forest Management - Conducting Street Tree Inventories - Valuation of the Urban Forest. Lecturer and lab instructor, University of Florida. 1994 - Present.

Invited guest lecturer - History and Nature of the Extension Service - Forest Policy Course, The University of Georgia 1996.

Publications

Papers in Refereed Journals

Darr, Molly, Hulcr, J., Eickwort, J., Smith, J., **Hubbard, W.**, Coyle, D. (2020). Forest Health Diagnostics Facebook Page: Impact and Natural Resources Programming Implications. *Journal of Extension*. 58(3). Retrieved on November 12th, 2020 from <https://joe.org/joe/2020june/a5.php>.

Merat, Afsaneh, Allahyan, M., Seidavi, A., and **Hubbard, W.** (2018). Factors influencing the adoption of sericulture by farmers in Guilan Province, Iran. *AIMS Agriculture and Food*. 3(1), 26-40. Doi: 10.2934/agrfood.2018.1.26. Retrieved from <http://www.aimspress.com/article/10.3934/agrfood.2018.1.26>.

Henderson, J. E., Joshi, O., Parajuli, R., & **Hubbard, W. G.** (2017). A regional assessment of wood resource sustainability and potential economic impact of the wood pellet market in the U.S. South. *Biomass and Bioenergy*, 105, 421-427. doi:[10.1016/j.biombioe.2017.08.003](https://doi.org/10.1016/j.biombioe.2017.08.003)

Henderson, J. E., Joshi, O., Tanger, S., Boby, L., **Hubbard, W.**, Pelkki, M., . . . Tappe, P. (2017). Standard Procedures and Methods for Economic Impact and Contribution Analysis in the Forest Products Sector. *Journal of Forestry*, 115(2), 112-116. doi:[10.5849/jof.16-041](https://doi.org/10.5849/jof.16-041)

Boby, L., **Hubbard, W. G.**, Megalos, M., & Morris, H. (2016). Southern Foresters Perceptions' of Climate Change: Implications for Educational Program Development. *Journal of Extension*. Retrieved from <https://joe.org/joe/2016december/rb3.php>

Morris, H.L.C., M.A. Megalos, **W.G. Hubbard**, and L.A. Boby. 2016. Climate change attitudes of Southern forestry professionals: Outreach implications. *Journal of Forestry*, 14-148.

Henderson, J. E., O. Joshi, **W. G. Hubbard**. 2016. The Economic Impact of Wood Pellet Production to the U.S. South. *Proceedings of the 24th European Biomass Conference and Exhibition*. June 6-9, 2016. Amsterdam, The Netherlands. pp. 1345 – 1350. doi:10.5071/24thEUBCE2016-4CO.2.2

Gharis, L., Bardon, R., **Hubbard, W.**, Taylor, E., Gonzalez-Jeuck, G., 2014. Using survey responses to determine the value-added features of a webinar portal system for adoption by natural resource professionals. *Journal of Extension*, December 2014, Volume 52, Number 6.

Bardon, R., Taylor, E., **Hubbard, W.**, Gharis, L. 2014. Calculating the “green” impact of online Extension programs. *Journal of Extension*. June 2014, Volume 52, No. 3. 3IAW2.

Gharis, L., Bardon, R., Evans, J., **Hubbard, W.**, Taylor, E. 2014. Expanding the reach of Extension through social media. *Journal of Extension*. June 2014, Volume 52, No. 3. 3FEA3.

Cubbage, Frederick, Gustavo Balmelli, Adriana Bussoni, Elke Noellemeyer, Anibal N. Pachas, Hugo Fassola, Luis Colcombet, Belén Rossner, Gregory Frey, Francis Dube, Marcio Lopes de Silva, Hayley Stevenson, James Hamilton, **William Hubbard**. 2012. Comparing silvopastoral systems and prospects in eight regions of the world. *Agroforestry Systems*. In press: *Agroforest Syst* DOI 10.1007/s10457-012-9482-z.

Merry, Krista, L., Bettinger, P., and **Hubbard, W.G.** 2008. Back to the Future Part II: Surveying Geospatial Needs of Georgia Agriculture and Natural Resource Extension Professionals. *Journal of Extension*. 46(4): 4RIB1. (Available at: <http://www.joe.org/joe/2008august/rb1.php>).

Merry, Krista, L., Bettinger, P., and **Hubbard, W.G.** 2008. Back to the Future Part 1: Surveying Geospatial Technology Needs of Georgia Land Use Planners. (*Journal of Extension*), 46(3): 3RIB6. (Available online at <http://www.joe.org/joe/2008june/rb6.php>).

Hubbard, W.G. and Sandmann, L. 2007. Using Diffusion of Innovation Concepts to Enhance Program Evaluation. (*Journal of Extension*). Volume 45 (5), 5FEA1 (available online at: <http://www.joe.org/joe/2007october/a1.php>).

Jackson, B., **Hubbard, B.**, M. Habecker, M. Kroenke, S. Traaholt, V.S. Brown., 2004. Members Evaluate their Association of Natural Resource Extension Professionals (ANREP). *Journal of Extension* December 2004. 42(6).

Kennard, D.K., Rauscher, H.M., Flebbe, P.A., Schmoldt, D.L., **Hubbard, W.G.**, Jordin, B., Milnor, W. H. 2005. Using Hyperdocuments to manage scientific knowledge: the prototype Encyclopedia of Southern Appalachian Forest Ecosystems. *Forest Ecology and Management* 207(1-2): 201-213.

Duryea, Mary L., **W.G. Hubbard**, G.M. Blakeslee and R.S. Vasquez. 1996. Wind and Trees: A Survey of Homeowners After Hurricane Andrew. *Journal of Arboriculture*. (22)1:44-49.

Hubbard, W.G. and R.C. Abt. 1989. The Effect of Timber Sale Assistance on Returns to Landowners. *Resource Management and Optimization* (Volume 6(3), pp. 225-234. Harwood Academic Publishers.

Refereed Reports and Monographs

Ashton, S., **Hubbard, W.**, Andreu, M., Drake, D., Elmore, D., Johnson, J., Norland, E., Schultz, B., Smallidge, P., and Smith, S., 2011. *Sustaining the Nation's Forest & Rangeland Resources for*

Future Generations: The Renewable Resources Extension Act Strategic Plan for the State-Federal Partnership 2012-2016.

Hubbard, W.G. 2001. *Forest-Based Economic Development Opportunities in the South.* Southern Perspectives Series – Southern Rural Development Center. Number 20. July 2001.

Peer Reviewed Book Chapters

Hubbard, W.G. (2020) Wood Bioenergy. In Anju Dahiya (Ed). *Bioenergy: Biomass to Biofuels.* (pages 70-88). Elsevier: Amsterdam. Second Edition.

Hubbard, W.G. (2015) Wood Bioenergy. In Anju Dahiya (Ed). *Bioenergy: Biomass to Biofuels.* (pages 55-73). Elsevier: Amsterdam.

Hubbard, W.G. 2009. *Why Have a Management Plan?* In Woodlands Management Course: A Guide to Improving Our Forests. The Forest Landowner Foundation. Atlanta, GA.

Hubbard, W.G. and D.A. Gaddis. 2009. Finances, Taxes and Investment Issues. In *Woodlands Management Course: A Guide to Improving Our Forests.* The Forest Landowner Foundation. Atlanta, GA. 2009.

Hubbard, W.G. and D. Hoge. 2004. Managing Nonindustrial Private Forests at the Interface. In S. W. Vince, M. L. Duryea, E. A. Macie, and L. A. Hermansen (Eds.), *Forests at the Wildland-Urban Interface: Conservation and Management.* CRC Press.

Hubbard, W. G. 2000. Developing a Restoration Plan That Works in M.L. Duryea, E. Kampf Binelli, and L.V. Korhnak, (Eds.). *Restoring the Urban Forest Ecosystem.* School of Forest Resources and Conservation, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Publication SW-140. Please visit the EDIS Web site at <http://edis.ifas.ufl.edu>.

Proceedings Papers

Li, Y., & **Hubbard, W.** (2017). Timber market situation and outlook in the U.S. South. In 2017 Southern Extension Outlook Conference Proceedings (pp. 250-253). Atlanta

Geller, D. P., & **Hubbard, W.** (2017). Supply-Side Perspectives on the Euro-American Pellet Trade. In European Biomass Conference and Exhibition Proceedings ISSN 2282-5819 (pp. 1449-1452). Stockholm, Sweden Invited

Hubbard, W., & Geller, D. P. (2017). Transformative Learning Through the Development of a Competency-Based Climate Education Program for U.S. County Extension Agents. In Proceedings 23rd European Seminar on Extension and Education. Chania, Greece. Retrieved from http://www.esee2017.gr/uploads/attachments/92/Hubbard_Geller.pdf

Cubbage, F., G. Balmelli, A. Bussoni, E. Noellemeyer, A. Pachas, H. Fassola, L. Colcombet, B. Rossner, G. Frey, H. Stevenson, J. Hamilton, and **W. Hubbard.** 2011. Comparing Silvopastoral

Systems and Prospects in Six Regions of the World. In *Proceedings Agroforestry: A Profitable Land Use*.

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Presentations

2021

“Indigenous Knowledge Exchange Systems: Evolving Roles for Extension and Educators at U.S. Land Grant Universities.” Hubbard, W. and Stoltz, A.. 21-23 June 2021 at Teagasc Ballyhaise Agricultural College, Cavan, Ireland (virtual)

“Tips and Tricks for Extension Programming,” Bardon, R. and W. Hubbard, ANREP, 2021 35 attendees.

“RREA Programs – Legislative Outreach Needs for ANREP Members.” ANREP, May 2021, 17 attendees.

“University of Maryland Extension: Opportunities to Work More Closely with Maryland’s Indigenous peoples and tribes.” University of Maryland Native American Think Tank.

“University of Maryland Extension: Opportunities to Work More Closely with Maryland’s Indigenous peoples and tribes.” Maryland Commission on Indian Affairs

“University of Maryland Extension Environment, Natural Resources and Sea Grant Update. New Providence Society, Annapolis, Maryland.

2020

Navigating Tensions to Steward the Forest. Allegheny Society of American Foresters Winter Conference, Conference Center, Boalsburg, PA, United States.

University of Maryland - External Advisory Board Annual Meeting, "Environmental, Natural Resources & Sea Grant Extension Programming in 2020, University of Maryland Extension, College Park Marriott Hotel & Conference Center, College Park, MD, United States.

2019

Using Program Theory to Evaluate a Forest Landowner Education Program. 24th European Seminar on Extension and Education: "ESEE, Acireale, Italy. (June 20, 2019).

Getting to Know Your Woodlands: The Importance of Management Plan. Hubbard, W. (Presenter), Phinney, D. (CoPresenter), McPhail, W. (CoPresenter). 2019 Woodland Stewards Program, " Southern Regional Extension Forestry (SREF), online (forestrywebinars.net). (February 21, 2019).

Environmental, Natural Resources & Sea Grant Extension Programming in 2019, University of Maryland Extension, College Park Marriott Hotel & Conference Center, College Park, MD, United States. (December 4, 2019).

Why a Maryland Native Meadow Working Group?, University of Maryland, NASA Goddard Visitor Center, Greenbelt, MD, United States. (October 9, 2019).

University of Maryland Extension Programs and Staff Changes, Maryland Forest Service, Pecometh Conference Center, Centreville, MD, United States.

Administrative Update - UME, Home Horticulture and the Master Gardener Program, University of Maryland Extension, Wye Conference Center, Queenstown, MD, United States

Southern Forestry Economic Outlook. Southern Outlook Conference, Atlanta, Georgia.

Climate Change Attitudes of Southeast Forestry Professionals. Southern Regional Extension Climate Academy, Athens, GA

Cellulosic Biomass Opportunities in the United States. Cartago, Costa Rica.

Landowner Engagement Strategies in the Southern United States. Southern Group of State Foresters Annual Meeting, New Orleans, LA.

Addressing Natural Resource Issues Through Extension Education. Clemson, SC.

The Results of a Social Network Analysis of Water Quality Professionals in the Metro Atlanta, Georgia Region. Coweeta Forest Service Chief's Review. Coweeta, NC.

Southern Forestry Economic Outlook. Southern Outlook Conference, Atlanta, Georgia.

Climate Change Attitudes of Southeast Forestry Professionals. Society of American Foresters National Convention, Charleston, SC.

Generation NEXT: Southern Extension and Education Responses to the Intergenerational Land Transfer Issue. Society of American Foresters National Convention, Charleston, SC.

Expanding Bioenergy Opportunities from Working Forests and Rangelands. Presentation accepted for the 8th National Natural Resources Extension Conference, Hendersonville, NC.

Developing a National Webinar Series: Successes, Challenges, Implications for the Future. 2010 National Natural Resources Extension Professionals Conference, Fairbanks, AK.

Forestry and Natural Resources Issues Influencing Southern Landowners. Ark-La-Tex Forestry Forum.

Ecosystem Services for Small Private Forest Owners. IUFRO Small-Scale Forestry Conference. Morgantown, WV.

Internet-Based Tools for the Consultant. Association of Consulting Foresters Annual Meeting. Charleston, SC.

Managing Forests in a Depressed Market. 25th Annual Ark-La-Tex Forestry Forum.

Economic Outlook for Forestry in the South. Ark-La-Tex Forestry Forum. Shreveport, LA.

Using a Web-Based Content Management System to Deliver Science to Natural Resource Managers: The Forest Encyclopedia Network. ForestxChange Conference. Frieberg, Germany.

Recovering from the impact of hurricanes on urban forests in Florida. University of Florida faculty Extension seminar. Gainesville, FL.

Factors influencing the adoption of practice by participants in a South-wide distance education forestry shortcourse. University of Florida faculty research seminar. Gainesville, FL.

Forest Certification: History and Current Situation. Seminar presented to Chinese Forestry Delegation, The University of Georgia, Athens, GA.

Private Landowner Implications of the Healthy Forest Restoration Act (HFRA) of 2003. East Texas Forestry Field Day. Overton, TX.

Forestry Services Available for Landowners. East Texas Forestry Field Day, Overton, TX.

Working Across Agency Boundaries to Develop Effective Forestry Education Programs in the Southern United States. IUFRO Extension Working Party Paper, Orvieto, Italy.

Regional Extension Forester Report. Association of Consulting Foresters, Chattanooga, TN.
Regional Extension Forester Report. Southern Group of State Foresters. Charlottesville, VA.

Regional Extension Forestry Report. Association of Extension Administrators, Greensboro, NC.

Natural Resource Based Economic Opportunities. Southern Rural Development Conference. Tampa, FL.

History and Importance of Forestry in the South. Forestry for Nonforesters Shortcourse. Athens, GA.

Introduction to Forest Finance for Landowners. Master Tree Farmer Program. Various sites throughout the South broadcast from Clemson, SC.

Urban Forestry Issues and Opportunities in the South. Forestry for Nonforesters Shortcourse, Athens, GA.

Wildland-Urban Interface: What is it? What are the Opportunities? Forestry for Nonforesters Shortcourse, Athens, GA.

Forestry Terms and Concepts. Forestry for Nonforesters Shortcourse, Athens, GA.

The Basics of Forestry Finance. Master Tree Farmer Program. Clemson, SC (broadcast live to over 1800 landowners across the region).

Opportunities for Small Diameter Wood in the South. Ark-La-Tex Forestry Forum, Shreveport, LA. 2004.

Southern Regional Extension Forestry Activities and Accomplishments (Southern Forestry School Deans and Directors, Southern Extension Directors). Savannah, GA and Mobile, AL.

A vision for knowledge management in forestry. Presentation to the staff at the USDA Forest Service Rocky Mountain Research Station, Denver CO.

Status and trends of southern forestlands Farm and Forestland Protection Workshop. Atlanta, GA.

RREA Opportunities with 1890 Specialists 1890's Administrators Meeting. Atlanta, GA.

Southern region Extension forestry programs Virginia Extension Forestry Retreat. Blacksburg, VA.

Reaching people where they live, work and play: Opportunities with the Cooperative Extension Service. Presentation to the National Urban and Community Forestry Technology Transfer Committee. Reno, NV.

The case for multi-state and regional forestry programs Oklahoma Department of Forestry Seminar. Stillwater, OK.

Benefits of professional forestry assistance Oklahoma Forest Utilization Conference. Wagoner, OK.

Trends of non-industrial forests. Oklahoma Forest Utilization Conference. Wagoner, OK.

Skating to where the puck will be: Extension programming for the new Millennium. Extension Foresters' Triennial Meeting. Asheville, NC.

Importance of urban and community forestry. Mississippi Society of American Foresters meeting. Tupelo, MS.

The encyclopedia of southern Appalachian forest ecosystems: A prototype of an online scientific knowledge management system. Southern Forest Insect Work Committee. Baton Rouge, LA.

What motivates landowners to practice forestry? Tennessee Division of Forestry Training. Pikeville, TN.

Remember to do technology transfer!!! National Urban Forests Conference. San Antonio, TX.

The changing face of forestry Extension. Southeastern Society of American Foresters Meeting. Pensacola, FL. 2003.

Understanding and overcoming barriers to effective bioenergy research technology transfer. International Energy Agency – Bioenergy/Biomass Working Group Conference. Flagstaff, AZ.

The encyclopedia of southern forest science: scientific knowledge management in practice. International Energy Agency – Bioenergy/Biomass Working Group Conference. Flagstaff, AZ.

Educational technology: What's hot...what's not? National Extension Foresters Meeting. Buffalo, NY.

Successful approaches to sustainable forest management on small forestlands. National Society of American Foresters Conference. Buffalo, NY.

Using Internet technologies to bridge the gap between science and practice. National Society of American Foresters Conference. Buffalo, NY.

Southern Forest Resource Assessment: What does it mean for forest landowners? Ark-La-Tex Forestry Forum, Shreveport, LA.

A Review of the History and Relevance of the NREM Program. National Natural Resources Extension Professionals Conference. Naples, FL.

Distance Education Opportunities for Forest Landowners. National Natural Resources Extension Professionals Conference. Naples, FL.

Natural Resource & Environmental Management Programs of the Cooperative Extension Service. National NREM State Contacts Meeting. Naples, FL.

Agroforestry Opportunities with Southern Forestry Extension. Southern Agroforestry Workshop for 1890's Universities. Huntsville, AL.

Opportunities for Minority Involvement in Natural Resources Extension. Celebrating the Success of Minorities in Natural Resources. Tallahassee, FL.

Forestry Issues, Ark-La-Tex Forestry Forum, Shreveport, LA.

Using Economics in Urban Forestry Decisionmaking, Arkansas Urban Forestry Conference, Hot Springs, AR.

Key Partners and Players in Urban Forestry. Urban Forestry for the New Millennium – A Satellite Video Program. Various sites broadcast live from Clemson, SC.

Fire Research Needs in the South – Southern Forest Fire Research Conference. Athens, GA.

NREM Update – Regional Joint Council of Extension Professionals Meeting (JCEP) meeting – Athens, GA.

ANREP Update – Region Joint Council of Extension Professionals (JCEP) meeting –Athens, GA.

Extension Forestry in the South – Auburn University forestry retreat. Auburn, AL.

Forestry Services for Forest Landowners – Master Tree Farmer Session 7. Various sites broadcast from Clemson, SC.

New computer technology for forest landowners – Southern Forestry Conference-Forest Landowners Association Annual Meeting. Alexandria, VA.

The Future of Forestry – Texas A & M University annual Spring Awards Banquet. College Station, TX.

Internet-based information sharing for Extension professionals – NE NREM meeting. Burlington, VT.

Private Nonindustrial Forest Management at the Interface –Wildland Urban Interface Conference. Gainesville, FL.

Forestry Situation in the South – Atlanta, Georgia. Presentation at the Southern Outlook Conference. Atlanta, GA.

Public and Private Assistance to Forest Landowners in the South, NIPF Forestry Symposium, Washington D.C.

Forestry Issues, Ark-La-Tex Forestry Forum, Shreveport, LA.

Future Perspectives in Forestry SAF/SFRC Spring Symposium. Gainesville, FL.

Economics of Urban-Wildland Interface Issues, Georgia FASAT Program. Athens, GA.

Economics of Urban-Wildland Interface Issues The Urban Forestry Institute. Daytona Beach, FL.

Urban Forest Valuation, Urban Forestry Economics, and Urban Forest Planning/Policy Issues, Tennessee Urban Forestry Conference. Nashville, TN.

Forest Finance Issues, Rolling Hills RC&D Landowner Shortcourse. Carrollton, GA.

Financial Tools to Assist Forest Landowners, Forest Landowners Board of Directors Meeting, Lexington, KY.

Southern Forestry Issues: Impacts for Forest Health Professionals. Forest Pest Workshop. Athens, GA.

Forestry Issues Affecting Georgia Forest Landowners. Jasper County Forest Landowners Meeting. Monticello, GA.

Extension Forestry Update. Southern Logger Training and Education Council. Atlanta, GA.

Update on Forestry Issues - Ark-La-Tex Forestry Forum. Shreveport, LA.

Regional Extension Forester Update - Southern Regional Extension Forestry Unit Leader's Meeting. Athens, GA.

Internet Tools for the Forestry Extension Agent. Georgia County Agent Training. Athens, GA.

Urban Forest Inventory and Valuation: Lecture and Lab. Undergraduate Course at the University of Florida. Gainesville, FL.

Regional Extension Forester Update - Association of Southern Region Extension Directors. Huntsville, AL.

Regional Extension Forester Update - American Forest and Paper Association Landowner Assistance Programs Subcommittee. Nashville, TN.

The Impact of Forestry Trends on Southern Seedling Supply and Demand. Southern Nursery Cooperative. Jackson, MS.

Extension Forestry in the South. Team Agriculture Meeting. Tifton, GA.

Regional Extension Forestry Update. USDA Forest Service Cooperative Forestry Unit Planning Retreat. Atlanta, GA.

Regional Extension Forestry Update. Southern Program Leaders Committee. Biloxi, MS.

Association of Natural Resources Extension Specialists Update. National Extension Forester's Meeting. Portland, OR.

Regional Extension Forestry Update. Regional Conservation Education Retreat. Amicalola Falls, GA.

The Importance of Forestry in the South. SAF Walk in the Woods. Gainesville, GA.

New Technologies for Urban and Community Forest Management. Alabama Urban Forestry Conference. Mobile, AL.

Regional Extension Forestry Update. Texas A&M Strategic Planning Session. College Station, TX.

Regional Extension Forestry Update. Multi-state Programming Meeting. Atlanta, GA.

Overcoming Technology Transfer Barriers in Forestry and Natural Resource Management - 3rd International Union of Forestry Research Organizations (IUFRO) Extension Working Party. Blacksburg, VA.

Building With Trees: The Value of Maintaining Trees and Greenspaces in New Developments - Mississippi Urban Forestry Conference. Jackson, MS.

Building Ecologically Sound Communities: An Economic Perspective - Mississippi Urban Forestry Conference. Jackson, MS. January 27, 1998.

Extension/NAPFSC Partnership Opportunities . Presentation to the National Association of Professional Forestry Schools and Colleges. Washington, DC

Extension Forestry Update . Presentations to Southern Region ANR Leaders, Forestry School Deans, AFPA LAP Foresters and Extension Specialists. Various meeting locations and dates. Restoration and Management of Urban Forest Ecosystems: Developing a Management Plan . Urban Forestry Institute. Fort Lauderdale, FL, June 15, 1998.

Internet Materials Available for Forest Landowners - 1997 Southeastern Forest Landowner Information Fair: Exploring your Forestland Management Plan. Waycross, GA.

Urban-Wildland Interface Issues. Wildland Urban Institute - Athens, GA

Internet Opportunities for County Extension Agents - New Agent Training Workshop, Tifton, GA.

Southern Forestry Issues - Forest Landowner's Banquet. Tuskegee, AL.

Pulpwood Economics in the Southeast - East Texas Forestry Field Day. Overton, TX.

Creating Educational Programs to Meet Educational Demands Appalachian SAF meeting. Clemson, SC, June 13, 1997.

Hardwood Management Materials Available Today - Central Hardwoods Extension Working Group. Nashville, IN.

Restoration and Management of Urban Forest Ecosystems: Developing a Management Plan . Urban Forestry Institute. Fort Lauderdale, FL, June 24, 1997.

Using the World Wide Web to Your Advantage - Florida Forestry Association Annual Meeting. Panama City, FL. September 4, 1997.

Research and Extension Responses to Programs for the Underserved Farmer, Rancher and Forest Landowner . Summit of the South, Richmond, VA.

County-Based Urban and Community Forestry Programs - NACAA annual meeting, Nashville, TN.

Extension Forestry Programs in the Southern United States - AFPA Landowner Assistance Program Meeting, Charlotte, NC.

The Use of CD-ROM Technology in Urban & Community Forestry Programs - Florida Urban Forestry Conference, Tallahassee, FL.

Utilizing Internet Technology for Cost-Effective Extension Programming - First Puerto Rican Forestry Conference, San Juan, PR.

Major Issues Affecting Nonfederal Lands , Atlanta GA June 14, 1996. Testimony to the National Research Council's Committee on Prospects and Opportunities for Sustainable Management of America's Nonfederal Forests. .

1995

Partnership Opportunities with Extension . USDA Forest Service Management Team Meeting. Atlanta, GA.

Economics of Urban Forestry Projects and Programs . The Urban Forestry Institute. Marco Island, FL.

Extension Forest Resources in the Southern United States . National Association of Professional Forestry Schools and Colleges - Southern Region. Charleston, SC.

Using Urban Forestry Inventory Data to Determine Biodiversity Characteristics . Florida Urban Forestry Conference. Gainesville, FL.

Financial and Economic Characteristics of Urban Forestry Programs . The Urban Forestry Institute. Jupiter Island, FL.

The Economics of Grazing Cattle in Florida's Woodlands . Landowner workshop, Union County. Starke, FL.

The Florida Forest Stewardship Program . Alachua County forest landowners. Gainesville. FL.

The Florida Forest Stewardship Program . Duval County forest landowners. Jacksonville, FL.

Economics of Urban Forest Management . Florida Division of Forestry and the Cooperative Extension Service, Brooksville, FL.

Project Learning Tree . Elementary school teachers. June 11, 1992, Palatka, FL. Miami, FL.

The Benefits and Values of the Urban Forest . Florida Urban Forestry Conference. Orlando, FL.

Forest Recreation on Your Stewardship Forest . Florida forestland owners; Palatka, FL, Lake City, FL, Marianna, FL and Tallahassee, FL.

Forest Stewardship and Urban & Community Forestry Extension Activities in Florida . Department of Forestry Seminar. Gainesville, FL.

Forest Management & Economics . Florida A&M University. Tallahassee. FL.

1991

Financial and Technical Assistance Available to Small Landowners . Florida-Georgia Forest Landowner Seminar. Fort Valley, GA.

Your Forestland and the Tax Laws . Florida-Georgia Forest Landowner Seminar. Fort Valley, GA.

Computers in Forestry. Florida Division of Forestry. Gainesville, FL.

The Florida Forest Stewardship Program . Landowner workshop, Columbia County. Lake City, FL.

Forest Management in Florida . Florida Association of Property Appraisers and Land Managers. Waldo. FL.

The Economics of Urban Forestry and Urban Forestry Programming. Urban Forestry Institute. Clearwater, FL.

Florida's Forest Stewardship Program . U.S. Fish and Wildlife Cooperative at monthly meeting. Gainesville, FL.

Forest Management and Taxation . Jackson County Landowner Seminar. Marianna. FL.

Tax Issues Impacting the Forestry Budget - Florida Issues . Florida-Georgia Forest Landowner Seminar General Session. Jacksonville, FL.

Marketing Timber for Top Dollar . Florida-Georgia Forest Landowner Seminar Break-out Session (offered twice). Jacksonville, FL.

Tax Issues Affecting Forestry . Putnam County Landowner's Clinic. Palatka, FL.

Economics of Pine Straw Production . Quad County Landowner Clinic on Pine Straw. Lake City, FL.

Economics of Alternative Enterprises . Gadsden County Landowner's Workshop. Quincy, FL.

Forestry in Florida . Vocational Agriculture In-Service Training. Gainesville, FL.

Alternative Enterprises . Madison County Landowner's Conference. Madison, FL.

Update on Federal Taxation Issues . Florida Forestry Association Annual Meeting. Panama City, FL.

Economic Aspects of Public Land Management . Florida Society of American Foresters Annual Meeting. Panama City, FL.

Taxation for Florida Landowners . Florida Landowner Conference. Tallahassee, FL.

Economics of Alternative Enterprises . Florida Landowner Conference. Tallahassee, FL.

FORINSY: The Forestry Information System . Florida Division of Forestry Forester Training Session. Brooksville, FL.

Alternative Enterprises: Christmas Trees, Wildlife Management, Shiitake Mushrooms, and Grazing. In-Service Training Session. Gainesville, FL.

Traditional Forest Management in Florida . Northwest Florida Resource Conservation and Development Committee. Marianna, FL.

Trees of the University of Florida Campus . Florida 4-H Congress. Gainesville, FL.

Economics of your forestry enterprise . Florida Forestry Association Annual Meeting. Haines City, FL.

Invited guest lecturer - Developing Extension Materials from University Research - Senior Seminar Class, University of Florida, 1995 -1998.

Instructor, 1989-1993, Undergraduate courses in Forest Economics, Forest Management and Quantitative Methods in Natural Resource Management. Responsible for lectures and labs in three sixteen week courses. Utilized real world examples and school teaching forest.

Contracts and Grants (PI and CoPI)

Maryland Sea Grant Extension Coastal Communities Program.
University of Maryland Center for Environmental Science (Prime: National Oceanic and Atmospheric Administration), February 1, 2014 - June 30, 2019. \$30,000. Role: Principal Investigator. Credit: 100%.

Supporting Local Watershed Resilience Efforts,
STMD-Maryland Department of Natural Resources. October 1, 2019 - September 30, 2020. \$30,000 Role: Principal Investigator. Credit: 33%.

Building capacity of land-based Atlantic salmon aquaculture in the US.
Maryland Sea Grant College (Prime: National Oceanic and Atmospheric Administration).
September 1, 2019 - August 31, 2020. \$1,000,000. Role: Principal Investigator. Credit: 30%.

Maryland Sea Grant Extension Program.
Sponsored by Maryland Sea Grant College (Prime: National Oceanic and Atmospheric Administration). February 1, 2018 - January 31, 2021. \$285,000. Role: Principal Investigator. Credit: 100%.

Implementation and Advancement of Sea Grant Visioning Efforts.
University of Maryland Center for Environmental Science (Prime: National Oceanic and Atmospheric Administration). September 1, 2019 - August 31, 2020. \$30,000. Role: Principal Investigator. Credit: 100%.

Controlling Fouling and Pests Associated with Water Column Oyster Aquaculture.
Maryland Sea Grant College (Prime: National Oceanic and Atmospheric Administration).
September 1, 2017 - August 31, 2020. \$100,000. Role: Principal Investigator. Credit: 50%.

Maryland Sea Grant Extension Coastal Communities Program.
University of Maryland Center for Environmental Science (Prime: National Oceanic and Atmospheric Administration). February 1, 2014 - June 30, 2019. \$30,000. Role: Principal Investigator. Credit: 100%.

Maryland Sea Grant Extension Climate Change Program.
University of Maryland Center for Environmental Science (Prime: National Oceanic and Atmospheric Administration). February 1, 2014 - June 30, 2019. \$30,000. Role: Principal Investigator. Credit: 100%.

Maryland Sea Grant Extension Program.
University of Maryland Center for Environmental Science (Prime: National Oceanic and Atmospheric Administration). February 1, 2014 - June 30, 2019. \$285,000. Role: Principal Investigator. Credit: 100%.

Training and Workshops to Enable Forest Landowners to Conduct More Prescribed Fire
North Carolina State University. November 1, 2017–October 31, 2019.
Amount: \$25,000. Role: Principal Investigator. Credit: 100%.

To create a regional-relevant forest health and invasive species training course for forestry professionals
USDA Forest Service. December 1, 2017–September 30, 2020.
Amount: \$360,000. Role: Co-Investigator. Credit: 50%.

Don't Fear the Fire: An Education Initiative for Prescribed Burning after Drought
USDA Forest Service, August 7, 2017–April 6, 2019.
Amount: \$45,000. Role: Principal Investigator. Credit: 50%.

Continued Development of National Timber Tax Website www.timbertax.org
USDA Forest Service, July 1, 2017–June 30, 2018.
Amount: \$15,000. Role: Co-Investigator. Credit: 25%.

Increasing Southeastern Public Wildfire Preparedness through the Master Gardener Volunteer Education Program
USDA NIFA, September 1, 2017–August 31, 2020
Amount: \$86,682. Role: Principal Investigator. Credit: 25%.

CESU Conservation Webinar Portal II - Amendment #3
USDA NRCS, 68748215506, August 1, 2015–July 1, 2018
Amount: \$100,000. Role: Principal Investigator. Credit: 100%.

2017 SREF Travel and Support
USDA Forest Service, March 1, 2017–March 1, 2018
Amount: \$40,000. Role: Principal Investigator. Credit: 100%.

RNGR Website and Technology Systems 2017
USDA Forest Service, October 1, 2017–September 30, 2019
Amount: \$80,000. Role: Principal Investigator. Credit: 100%.

eXtension Climate Learning Network- Climate Literacy Certification Program Development
eXtension Foundation, April 1, 2017–September 30, 2017
Amount: \$44,349. Role: Co-Investigator. Credit: 40%.

Southeast Partnership for Advanced Renewables from Carinata (SPARC)
USDA NIFA, April 1, 2017–March 31, 2022
Amount: \$1,999,405. Role: Co-Investigator. Credit: 6%.

Sustaining Excellence in Forest Resources Extension
USDA NIFA, September 30, 2016–September 29, 2018
Amount: \$80,000. Role: Principal Investigator. Credit: 50%.

RNGR Web and App Development 2016
USDA Forest Service, October 1, 2016–September 30, 2018
Amount: \$116,500. Role: Principal Investigator. Credit: 100%.

2016 SREF Travel & Support

USDA Forest Service, March 1, 2016–March 1, 2017

Amount: \$40,000. Role: Principal Investigator. Credit: 100%.

Agriculture, Forestry and Climate eXtension Learning and Climate Advisors Network

eXtension Foundation, March 1, 2016–September 30, 2017

Amount: \$90,909. Role: Principal Investigator. Credit: 40%.

Development of a Mobile Application for Deer Browse Impact Management

Cornell University, November 1, 2015–March 31, 2017

Amount: \$29,500. Role: Principal Investigator. Credit: 100%.

2015-2016 Agriculture and Climate Variability eXtension Learning Network – Salary Support

eXtension Foundation, October 1, 2015–October 31, 2016

Amount: \$8,797. Role: Principal Investigator. Credit: 100%.

Southeast Partnership For Integrated Biomass Supply Systems - Renewal - 1 University Of

Tennessee, August 1, 2011–June 30, 2017

Amount: \$29,850. Role: Principal Investigator. Credit: 100%.

Continued Development of National Timber Tax Website - Revision - 1

US Department of Agriculture, July 1, 2014–June 30, 2016

Amount: \$80,000. Role: Co-Investigator. Credit: 33%.

EFETAC Website Hosting and Support

USDA Forest Service, August 1, 2017–July 31, 2018

Amount: \$100,000. Role: Principal Investigator. Credit: 100%.

Developing a regional forest health and invasive species outreach program

USDA Forest Service, August 1, 2015–July 31, 2018

Amount: \$120,000. Role: Co-Investigator. Credit: 50%.

Extension & Technology Transfer Tools in Support of the USDA Southeast Regional Climate Hub

USDA Forest Service, June 26, 2015–June 30, 2018

Amount: \$70,000. Role: Principal Investigator. Credit: 100%.

Agriculture, Forestry and Climate Science eXtension Learning Network - PNW Pilot Expansion

Univ Of Nebraska-Lincoln, October 1, 2015–July 31, 2016

Amount: \$79,557. Role: Principal Investigator. Credit: 34%.

CFU-SREF Website Maintenance & Development

USDA Forest Service, June 15, 2015–June 30, 2018

Amount: \$32,000. Role: Principal Investigator. Credit: 100%.

CESU Conservation Webinar Portal II

USDA NCRS, August 1, 2015–July 31, 2018

Amount: \$100,000. Role: Principal Investigator. Credit: 100%.

CIFS Website Development Hosting Services
USDA Forest Service, May 1, 2015–April 30, 2016
Amount: \$7,870. Role: Principal Investigator. Credit: 100%.

Appalachian Beginning Forest Farmer Program: Growing Opportunities Beneath the Canopy
USDA NIFA, September 1, 2015–July 31, 2018
Amount: \$36,051. Role: Principal Investigator. Credit: 100%.

2015 SREF Travel & Support
USDA Forest Service, January 1, 2015–March 31, 2016
Amount: \$45,000. Role: Principal Investigator. Credit: 100%.

Agriculture and Climate Variability Learning Network - A Pilot Project
US Department of Agriculture, September 30, 2014–March 31, 2016
Amount: \$90,000. Role: Principal Investigator. Credit: 75%.

Salary Support for the Agriculture and Climate Variability eXtension Learning Network
Assn Public & Land-Grant Univ, October 1, 2014–September 30, 2015
Amount: \$33,289. Role: Principal Investigator. Credit: 100%.

Research & Development Forestry Webinars
USDA Forest Service, September 3, 2014–August 4, 2019
Amount: \$5,000. Role: Principal Investigator. Credit: 100%.

Southeast Partnership For Integrated Biomass Supply Systems - Renewal - 1 University Of
Tennessee, August 1, 2011–July 31, 2015
Amount: \$59,850. Role: Principal Investigator. Credit: 100%.

Climate And Sustainable Forestry Webinar Portal USDA Forest Service, September 2, 2014–
September 1, 2016
Amount: \$10,000. Role: Principal Investigator. Credit: 100%.

CUIF Website Development And Maintenance, US Department of Agriculture, August 2, 2011–
August 31, 2016
Amount: \$15,000. Role: Principal Investigator. Credit: 100%.

Integrating Research, Education And Extension For Enhancing Southern Pine Climate Change
Mitigation And Adaptation - Revision - 1 University Of Florida, March 1, 2011–February 28,
2017
Amount: \$205,403. Role: Co-Investigator. Credit: 33%.

Integrating Research, Education And Extension For Enhancing Southern Pine Climate Change
Mitigation And Adaptation - Revision – 1, University Of Florida, March 1, 2011–February 28,
2017
Amount: \$1,449,289. Role: Co-Investigator. Credit: 33%.

Southeast Partnership For Integrated Biomass Supply Systems - Renewal - 1
USDA NIFA, August 1, 2011–July 31, 2016
Amount: \$259,250. Role: Principal Investigator. Credit: 100%.

RNGR Web and App Development and Support
USDA Forest Service, September 5, 2014–September 30, 2016
Amount: \$75,000. Role: Principal Investigator. Credit: 100%.

RNGR Web and App Development and Support - Revision - 1
USDA Forest Service, September 5, 2014–September 30, 2017
Amount: \$160,000. Role: Principal Investigator. Credit: 100%.

Continued Development of National Timber Tax Website
US Department of Agriculture, June 30, 2014–June 30, 2015
Amount: \$50,000. Role: Co-Investigator. Credit: 33%.

FDACS Secondary Mill Directory Project
Florida Dept Of Ag & Cons Svcs, June 4, 2014–September 30, 2015
Amount: \$25,000. Role: Principal Investigator. Credit: 100%.

Integrating Research, Education And Extension For Enhancing Southern Pine Climate Change
Mitigation And Adaptation, University Of Florida, March 1, 2011–February 28, 2016
Amount: \$202,244. Role: Co-Investigator. Credit: 33%.

Shortleaf Pine Decision Support Tool, State Of North Carolina, April 1, 2013–September 30,
2014, Amount: \$42,219. Role: Principal Investigator. Credit: 100%.

SREF Travel & Support
US Department of Agriculture, January 1, 2014–December 31, 2015
Amount: \$40,000. Role: Principal Investigator. Credit: 100%.

Conservation Webinar Portal US Department of Agriculture, August 1, 2013–July 31, 2014
Amount: \$25,000. Role: Principal Investigator. Credit: 100%.

Conservation Webinar Portal, US Department of Agriculture, August 1, 2013–July 31, 2015
Amount: \$25,000. Role: Principal Investigator. Credit: 100%.

Cohesive Fire Strategy Communication Products
US Department of Agriculture, September 6, 2013–December 31, 2017
Amount: \$65,000. Role: Principal Investigator. Credit: 100%.

Integrating Research, Education And Extension For Enhancing Southern Pine Climate Change
Mitigation And Adaptation, University Of Florida, March 1, 2011–February 28, 2015
Amount: \$19,231. Role: Co-Investigator. Credit: 33%.

Southeast Partnership For Integrated Biomass Supply Systems, University Of Tennessee,
August 1, 2011–July 31, 2014
Amount: \$49,850. Role: Principal Investigator. Credit: 100%.

SREF TRAVEL & SUPPORT

US Department of Agriculture, January 29, 2013–December 31, 2013

Amount: \$20,000. Role: Principal Investigator. Credit: 100%.

Technology Transfer Tools for the National Urban & Community Advisory Council

US Department of Agriculture, August 21, 2013–September 30, 2016

Amount: \$111,399. Role: Principal Investigator. Credit: 100%.

Technology Transfer Tools for the National Urban & Community Advisory Council - Revision
- 1 US Department of Agriculture, August 21, 2013–September 30, 2016

Amount: \$139,041. Role: Principal Investigator. Credit: 100%.

CUIF Website Development And Maintenance

US Department of Agriculture, August 2, 2011–June 30, 2014

Amount: \$5,000. Role: Principal Investigator. Credit: 100%.

RNGR Web Site Redesign Phase 2

US Department of Agriculture, October 1, 2009–September 30, 2014

Amount: \$60,000. Role: Principal Investigator. Credit: 100%.

Web Development And Maintenance For The EFETAC, US Department of Agriculture, August
1, 2013–July 31, 2015

Amount: \$30,271. Role: Principal Investigator. Credit: 100%.

National Timber Tax Website, US Department of Agriculture, July 1, 2009–June 30, 2014

Amount: \$50,000. Role: Co-Investigator. Credit: 33%.

Conservation Webinar Portal, US Department of Agriculture, August 1, 2013–July 31, 2014

Amount: \$25,000. Role: Principal Investigator. Credit: 100%.

Integrating Research, Education And Extension For Enhancing Southern Pine Climate Change
Mitigation And Adaptation, University Of Florida, March 1, 2011–February 28, 2016

Amount: \$314,700. Role: Co-Investigator. Credit: 33%.

SREF Travel & Support, US Department of Agriculture, January 29, 2013–December 31, 2013

Amount: \$20,000. Role: Principal Investigator. Credit: 100%.

COHESIVE Fire Strategy Communication Products, US Department of Agriculture, August 14,
2012–September 30, 2015

Amount: \$75,000. Role: Principal Investigator. Credit: 100%.

Absentee Forest Landowner Education Workshops, US Department of Agriculture, September
15, 2009–September 30, 2015

Amount: \$20,000. Role: Principal Investigator. Credit: 90%.

Web Development And Maintenance for the EFETAC

US Department of Agriculture, August 1, 2012–July 31, 2013

Amount: \$30,333. Role: Principal Investigator. Credit: 100%.

RNGR Web Site Redesign Phase 2

US Department of Agriculture, October 1, 2009–September 30. 2014
Amount: \$50,000. Role: Principal Investigator. Credit: 100%.

National Timber Tax Website

US Department of Agriculture, July 1, 2009–June 30. 2013
Amount: \$50,000. Role: Co-Investigator. Credit: 33%.

Urban Forestry Manual

US Department of Agriculture, August 2, 2011–September 30. 2016
Amount: \$94,040. Role: Principal Investigator. Credit: 100%.

Southern Regional Extension Forester Travel And Support

US Department of Agriculture, May 2, 2012–December 31, 2012
Amount: \$40,000. Role: Principal Investigator. Credit: 100%.

Integrating Research, Education And Extension For Enhancing Southern Pine Climate Change Mitigation And Adaptation University Of Florida, March 1, 2011–February 28, 2016

Amount: \$330,200. Role: Co-Investigator. Credit: 33%.

Southern Regional Forester

Various Other States, October 1, 2011–September 30. 2012
Amount: \$12,274. Role: Co-Investigator. Credit: 50%.

Southern Regional Forester

Various Other States, October 1, 2011–September 30. 2012
Amount: \$20,107. Role: Co-Investigator. Credit: 50%.

Southern Regional Forester

Various Other States, October 1, 2011–September 30. 2012
Amount: \$15,411. Role: Co-Investigator. Credit: 50%.

Southern Regional Forester

Various Other States, October 1, 2011–September 30. 2012
Amount: \$20,234. Role: Co-Investigator. Credit: 50%.

Southern Regional Forester

Various Other States, October 1, 2011–September 30. 2012
Amount: \$89,962. Role: Co-Investigator. Credit: 50%.

CUIF Website Development And Maintenance

US Department of Agriculture, August 2, 2011–September 30. 2013
Amount: \$67,700. Role: Principal Investigator. Credit: 100%.

Urban Forestry Manual

US Department of Agriculture, August 2, 2011–September 30. 2013
Amount: \$71,100. Role: Principal Investigator. Credit: 100%.

Forest Science Delivery In The South: Increasing Effectiveness & Efficiency Through Application And Assessment

US Department of Agriculture, February 17, 2009–February 22, 2014

Amount: \$10,000. Role: Principal Investigator. Credit: 100%.

Web Development And Maintenance For The EFETAC

US Department of Agriculture, September 24, 2010–July 31, 2012

Amount: \$13,000. Role: Principal Investigator. Credit: 100%.

Expanding The Reach Of Extension With Webinar Technologies And Social Media

North Carolina State Univ, September 1, 2011–July 31, 2014

Amount: \$12,450. Role: Principal Investigator. Credit: 100%.

RNGR Web Site Redesign Phase 2

US Department of Agriculture, October 1, 2009–September 30, 2012

Amount: \$100,000. Role: Principal Investigator. Credit: 100%.

Absentee Forest Landowner Education Workshops

US Department of Agriculture, September 15, 2009–September 30, 2013

Amount: \$30,000. Role: Principal Investigator. Credit: 100%.

National Timber Tax Website

US Department of Agriculture, July 1, 2009–June 30, 2012

Amount: \$50,000. Role: Co-Investigator. Credit: 33%.

Southern Regional Extension Forester Travel And Support

US Department of Agriculture, December 13, 2010–December 31, 2011

Amount: \$20,000. Role: Principal Investigator. Credit: 100%.

Southern Regional Forester

Various State, October 1, 2010–September 30, 2011

Amount: \$20,234. Role: Co-Investigator. Credit: 50%.

GFC Website Redesign

GA Forestry Commission, December 7, 2010–May 30, 2011

Amount: \$20,000. Role: Principal Investigator. Credit: 100%.

Southern Regional Forester

Various State, October 1, 2010–September 30, 2011

Amount: \$35,354. Role: Co-Investigator. Credit: 50%.

Web Development And Maintenance for the EFETAC

US Department of Agriculture, September 24, 2010–July 31, 2012

Amount: \$37,000. Role: Principal Investigator. Credit: 100%.

Integrating Research, Education And Extension For Enhancing Southern Pine Climate Change Mitigation And Adaptation

University Of Florida, March 1, 2011–February 28, 2016
Amount: \$348,281. Role: Co-Investigator. Credit: 33%.

Southern Regional Extension Forester Travel And Support
US Department of Agriculture, December 13, 2010–September 30, 2011
Amount: \$20,000. Role: Principal Investigator. Credit: 100%.

Southern Regional Forester
Various State, October 1, 2010–September 30, 2011
Amount: \$102,401. Role: Co-Investigator. Credit: 50%.

Southeast Partnership For Integrated Biomass Supply Systems University Of Tennessee, August 1, 2011–July 31, 2013
Amount: \$119,700. Role: Principal Investigator. Credit: 100%.

RNGR Web Site Redesign Phase 2
US Department of Agriculture, October 1, 2009–September 30, 2012
Amount: \$50,000. Role: Principal Investigator. Credit: 100%.

Absentee Forest Landowner Education Workshops
US Department of Agriculture, September 15, 2009–September 30, 2011
Amount: \$15,000. Role: Principal Investigator. Credit: 100%.

A Strategic Plan For Forestry And Rangelands Extension Programs
US Department of Agriculture, September 1, 2009–August 31, 2012
Amount: \$44,649. Role: Principal Investigator. Credit: 100%.

National Timber Tax Website
US Department of Agriculture, July 1, 2009–December 31, 2011
Amount: \$50,000. Role: Co-Investigator. Credit: 33%.

Energy Conservation & Urban Forests Extension Community Of Practice
US Department of Agriculture, June 15, 2011–September 30, 2014
Amount: \$88,249. Role: Principal Investigator. Credit: 50%.

Urban Forestry South Website Development, Enhancement And Maintenance
US Department of Agriculture, September 1, 2009–September 30, 2012
Amount: \$60,000. Role: Principal Investigator. Credit: 100%.

Southern Regional Extension Forester Travel & Support
US Department of Agriculture, October 1, 2009–September 30, 2010
Amount: \$40,000. Role: Principal Investigator. Credit: 100%.

A Strategic Plan For Forestry And Rangelands Extension Programs
US Department of Agriculture, September 1, 2009–August 31, 2012
Amount: \$85,351. Role: Principal Investigator. Credit: 100%.

Southern Regional Extension Forester
Various State, October 1, 2009–September 30. 2010
Amount: \$153,822. Role: Co-Investigator. Credit: 50%.

Ungulates And Forest Landscapes
US Department of Agriculture, August 18, 2009–September 30. 2011
Amount: \$20,000. Role: Principal Investigator. Credit: 60%.

Absentee Forest Landowner Education Workshops
US Department of Agriculture, September 15, 2009–September 30. 2011
Amount: \$10,000. Role: Principal Investigator. Credit: 100%.

America's Longleaf Initiative
US Department of Agriculture, September 15, 2009–September 30. 2010
Amount: \$15,000. Role: Principal Investigator. Credit: 100%.

RNGR Website Redesign
US Department of Agriculture, October 1, 2008–September 30. 2011
Amount: \$50,000. Role: Principal Investigator. Credit: 100%.

NATIONAL TIMBER TAX WEBSITE US Department Of Agriculture, July 1, 2009–June 30.
2010
Amount: \$50,000. Role: Co-Investigator. Credit: 33%.

Southern Regional Extension Forester Travel & Support Grant
US Department of Agriculture, October 1, 2008–September 30. 2009
Amount: \$20,000. Role: Principal Investigator. Credit: 100%.

Twelfth North American Agroforestry Conference
US Department of Agriculture, January 1, 2010–December 31, 2011
Amount: \$10,000. Role: Co-Investigator. Credit: 33%.

RNGR Information Technology Project
US Department of Agriculture, August 27, 2007–September 30. 2010
Amount: \$25,000. Role: Principal Investigator. Credit: 100%.

Rngr Information Technology Project US Department of Agriculture, August 27, 2007–
September 30. 2009
Amount: \$20,000. Role: Principal Investigator. Credit: 100%.

Proposal To The National Association Of Conservation Districts: Development Of A Woody
Biomass Desk Guide And Tool Kit
Natl Assn Of Conservation Dist, June 1, 2008–December 31, 2009
Amount: \$28,130. Role: Principal Investigator. Credit: 100%.

Southern Regional Extension Forester
Various Other States, October 1, 2008–September 30. 2009
Amount: \$150,830. Role: Co-Investigator. Credit: 50%.

Forest Science Delivery In The South: Increasing Effectiveness & Efficacy Through Application And Assessment US Department of Agriculture, February 17, 2009–December 31, 2011

Amount: \$40,000. Role: Principal Investigator. Credit: 100%.

UFSE Website Enhancements And Support

US Department of Agriculture, September 15, 2008–September 15, 2010

Amount: \$24,500. Role: Principal Investigator. Credit: 100%.

Southern Regional Extension Forester Travel & Support Grant

US Department of Agriculture, October 1, 2008–September 30, 2009

Amount: \$20,000. Role: Principal Investigator. Credit: 100%.

Southern Regional Extension Forester Travel & Support Grant

US Department of Agriculture, October 1, 2007–September 30, 2008

Amount: \$20,000. Role: Principal Investigator. Credit: 100%.

Maintaining And Enhancing The Forest Encyclopedia Network For The Southern Research Station for the SRS, ASHEVILLE, NC

US Department of Agriculture, September 1, 2007–October 31, 2008

Amount: \$32,400. Role: Principal Investigator. Credit: 100%.

Maintaining And Enhancing The Forest Encyclopedia Network For The Southern Research Station for the SRS, ASHEVILLE, NC

US Department of Agriculture, September 1, 2007–October 31, 2008

Amount: \$10,800. Role: Principal Investigator. Credit: 100%.

Southern Regional Extension Forester Travel & Support Grant

US Department of Agriculture, October 1, 2007–September 30, 2008

Amount: \$20,000. Role: Principal Investigator. Credit: 100%.

Assessment Of Opportunities And Techniques To Enhance Application Of Products From PNW Station Funded Research

US Department of Agriculture, July 24, 2007–June 30, 2009

Amount: \$62,702. Role: Principal Investigator. Credit: 100%.

Maintaining And Enhancing The Forest Encyclopedia Network For The Southern Research Station_for the SRS, Asheville, Nc

US Department of Agriculture, September 1, 2007–October 31, 2007

Amount: \$7,200. Role: Principal Investigator. Credit: 100%.

Southern Regional Extension Forester Travel And Support Grant

USDA Forest Service, October 1, 2006–September 30, 2007

Amount: \$20,000. Role: Principal Investigator. Credit: 100%.

USFE Website Enhancements And Support

US Department of Agriculture, August 20, 2007–September 30, 2009

Amount: \$24,000. Role: Principal Investigator. Credit: 80%.

RNGR Information Technology Project
US Department of Agriculture, August 27, 2007–September 30, 2009
Amount: \$50,000. Role: Principal Investigator. Credit: 100%.

Southern Regional Extension Forester Travel And Support Grant
USDA Forest Service, October 1, 2006–September 30, 2007
Amount: \$40,000. Role: Principal Investigator. Credit: 100%.

The Forest Environmental Threat Hypertext Encyclopedia Project
US Department of Agriculture, September 14, 2006–July 18, 2010
Amount: \$30,000. Role: Principal Investigator. Credit: 100%.

UFSE Website Enhancements And Support: Phase II
USDA Forest Service, July 1, 2005–February 29, 2008
Amount: \$21,000. Role: Principal Investigator. Credit: 80%.

RNGR Information Techonology Project
US Department of Agriculture, September 6, 2006–June 30, 2008
Amount: \$50,000. Role: Principal Investigator. Credit: 100%.

FLA Website Development
Forest Landowners Assn, Inc, February 1, 2005–July 31, 2006
Amount: \$6,000. Role: Principal Investigator. Credit: 100%.

The Southern Pine Beetle Hypertext Encyclopedia Project
USDA Forest Service, September 1, 2006–July 2, 2011
Amount: \$285,780. Role: Principal Investigator. Credit: 100%.

Compounding The Impact: Train The Trainer Urban Forestry Education
US Department of Agriculture, September 1, 2006–August 31, 2009
Amount: \$64,426. Role: Co-Investigator. Credit: 5%.

Development And Implementation Of A Prototype For Nationwide Urban Forest Database: A
Prototype For The Southeastern US
US Department of Agriculture, August 1, 2006–September 1, 2008
Amount: \$135,488. Role: Co-Investigator. Credit: 25%.

Sustaining White-Tailed Deer & Forests: An Electronic Resource Center (033096-01)
Northern Initiatives, March 1, 2006–November 30, 2006
Amount: \$30,286. Role: Principal Investigator. Credit: 100%.

Encyclopedia Of Bioenergy And Bio-Based Products as a Component of the Forest
Encyclopedia Network (031204-04)
Southern Forest Research Partnership, October 1, 2004–September 30, 2008
Amount: \$13,000. Role: Principal Investigator. Credit: 100%.

Southern Regional Extension Forester Travel And Support Grant (032677-01)
US Department of Agriculture, October 1, 2005–September 30, 2006
Amount: \$56,000. Role: Principal Investigator. Credit: 100%.

Visualizing Future Landscapes Under Alternative Land Use Scenarios: Linking Geospatial Technologies With Community-Based Forestry, Phase Ii (032569-01)
US Department of Agriculture, September 15, 2005–September 14, 2008
Amount: \$85,500. Role: Co-Investigator. Credit: 20%.

The Forest Environmental Threat Hypertext Encyclopedia Project (031737-02)
US Department of Agriculture, July 19, 2005–January 31, 2008
Amount: \$90,000. Role: Principal Investigator. Credit: 100%.

Project A9b: Accounting For Forest Carbon Sequestration: A Landowner Primer (032114-01)
National Council For Sci & Env, July 1, 2005–December 31, 2006
Amount: \$49,610. Role: Co-Investigator. Credit: 25%.

Southern Regional Extension Forestry Contributions To The Southern Fire Portal (031803-01)
US Department Of Interior, June 1, 2005–June 30, 2007
Amount: \$73,500. Role: Principal Investigator. Credit: 100%.

UFSE Programming Support And Enhancements - 2006 (031801-01)
US Department of Agriculture, September 15, 2005–December 31, 2006
Amount: \$28,000. Role: Principal Investigator. Credit: 87%.

Reforestation Nurseries And Genetics Resource Information Technology Project (031787-01)
US Department of Agriculture, August 10, 2005–December 31, 2008
Amount: \$50,000. Role: Principal Investigator. Credit: 100%.

The Forest Environmental Threat Hypertext Encyclopedia Project (031737-01)
US Department of Agriculture, July 19, 2005–January 31, 2008
Amount: \$111,000. Role: Principal Investigator. Credit: 100%.

National Wood Utilization And Marketing Conference (031591-01)
US Department of Agriculture, July 15, 2005–July 14, 2007
Amount: \$5,000. Role: Principal Investigator. Credit: 100%.

Fla Website Development (031584-01)
Forest Landowners Assn, Inc, February 1, 2005–July 31, 2006
Amount: \$12,000. Role: Principal Investigator. Credit: 100%.

Encyclopedia Of Bioenergy And Bio-Based Products As A Component Of The Forest Encyclopedia Network (031204-03)
Southern Forest Rsch Partnersh, October 1, 2004–September 30, 2007
Amount: \$26,950. Role: Principal Investigator. Credit: 100%.

Encyclopedia Of Bioenergy And Bio-Based Products As A Component Of The Forest Encyclopedia Network (031204-02)
Southern Forest Rsch Partnersh, October 1, 2004–September 30, 2007
Amount: \$51,700. Role: Principal Investigator. Credit: 100%.

Visualizing Future Landscape Under Alternative Land Use Scenarios: Linking Geospatial Technologies With Community-Based Forestry (031304-01)
US Department of Agriculture, September 15, 2004–September 14, 2007
Amount: \$90,130. Role: Co-Investigator. Credit: 20%.

Encyclopedia Of Bioenergy And Bio-Based Products As A Component Of The Forest Encyclopedia Network (031204-01)
Southern Forest Rsch Partnersh, October 1, 2004–September 30. 2007
Amount: \$64,900. Role: Principal Investigator. Credit: 100%.

IITF Content Management System (030362-01)
US Department of Agriculture, September 30. 2004–September 30. 2006
Amount: \$45,000. Role: Principal Investigator. Credit: 100%.

USDA Travel (030328-01)
US Department of Agriculture, October 1, 2004–September 30. 2005
Amount: \$40,000. Role: Principal Investigator. Credit: 100%.

Technical Editing Of The Encyclopedia Of Southern Appalachian Forest Ecosystems (030263-01)
US Department of Agriculture, July 1, 2004–August 31, 2007
Amount: \$50,500. Role: Principal Investigator. Credit: 100%.

Synthesizing The Scientific Knowledge Of Forest Ecosystems In The Cumberland Plateau And Cumberland Mountains Physiographic Provinces (030112-01)
US Department of Agriculture, September 1, 2004–August 31, 2007
Amount: \$45,000. Role: Principal Investigator. Credit: 100%.

National Urban Forestry Technology Transfer Database Development (030056-01)
US Department of Agriculture, July 1, 2004–June 30. 2006
Amount: \$25,600. Role: Principal Investigator. Credit: 50%.

Urban Forestry South Data Entry Project (029881-01)
US Department of Agriculture, July 1, 2004–June 30. 2006
Amount: \$9,430. Role: Principal Investigator. Credit: 100%.

A South-Wide Forest Science Encyclopedia Using The Forest Encyclopedia Network Version 3.0 (029713-01)
US Department of Agriculture, June 1, 2004–May 31, 2006
Amount: \$49,000. Role: Principal Investigator. Credit: 100%.

RNGR Information Technology Project (029744-01)
US Department of Agriculture, July 1, 2004–June 30. 2005
Amount: \$50,000. Role: Principal Investigator. Credit: 100%.

Development Of A Stand Alone Hypertext Authorship Tool (029086-01)
US Department of Agriculture, March 1, 2004–February 28, 2006
Amount: \$35,000. Role: Principal Investigator. Credit: 100%.

Southern Regional Extension Forestry Travel/Support (028776-01)
US Department of Agriculture, October 1, 2003–September 30, 2004
Amount: \$40,000. Role: Principal Investigator. Credit: 100%.

RREA Strategic Plan Implementation (027980-01)
US Department of Agriculture, September 15, 2003–September 14, 2006
Amount: \$29,997. Role: Principal Investigator. Credit: 100%.

Reforestation Nurseries And Genetics Resource Information Technology Project (027779-01)
US Department of Agriculture, July 1, 2003–June 30, 2005
Amount: \$45,000. Role: Principal Investigator. Credit: 100%.

Expanding The Capabilities Of The Zope/Plone Encyclopedia Infrastructure (027661-01)
US Department of Agriculture, July 1, 2003–August 31, 2005
Amount: \$79,350. Role: Principal Investigator. Credit: 100%.

Updating Research Data On The Benefit And Costs Of Urban Forestry For Enhanced
Technology In The Southern Region (025990-01)
US Department of Agriculture, June 1, 2003–June 30, 2005
Amount: \$18,500. Role: Principal Investigator. Credit: 55%.

The Forest -A- Syst Interactive Cd Rom (027137-01)
North Carolina State Univ, March 1, 2003–June 15, 2003
Amount: \$3,669. Role: Principal Investigator. Credit: 10%.

Urban Forestry South Expo-Internet Tools For Today's Urban And Community Forest Manager
(025061-01)
US Department of Agriculture, March 5, 2003–June 30, 2005
Amount: \$40,000. Role: Principal Investigator. Credit: 50%.

Spanish Language Seedling Care And Tree Planting Video (026908-01)
US Department of Agriculture, December 12, 2002–March 29, 2005
Amount: \$45,000. Role: Principal Investigator. Credit: 100%.

Southern Regional Extension Forester Travel And Operations (026856-01)
US Department of Agriculture, January 1, 2003–September 30, 2003
Amount: \$40,000. Role: Principal Investigator. Credit: 100%.

Southern Regional Extension Forester (13 States Cooperating) (026373-01)
VARIOUS OTHER STATES, October 1, 2002–September 30, 2003
Amount: \$106,550. Role: Principal Investigator. Credit: 100%.

Reforestation, Nurseries And Genetics Resource Information Technology Project (026036-01)
GA Forestry Commission, July 1, 2002–December 31, 2003
Amount: \$55,000. Role: Principal Investigator. Credit: 100%.

Southern Natural Resources Web Development Project Ii. Reforestation Nurseries And Genetics
Resource And Nursery Associations Iii. Nurserymanager.Com (022257-02)

GA FORESTRY COMMISSION, October 1, 2000–July 31, 2002
Amount: \$10,000. Role: Principal Investigator. Credit: 100%.

Natural Resources And Environmental Management - Renewable Resources Extension Act
Strategic Planning And Accountability Project (025987-01)
US Department of Agriculture, September 1, 2002–December 31, 2004
Amount: \$38,000. Role: Principal Investigator. Credit: 100%.

Forestry Encyclopedia Network (025585-01)
US Department of Agriculture, May 1, 2002–May 31, 2005
Amount: \$93,000. Role: Principal Investigator. Credit: 100%.

Natural Resource And Environmental Management Programs Of The Cooperative Extension
System - Internet-Based Strategies For...Programs (025062-01)
US Department of Agriculture, May 15, 2002–November 14, 2004
Amount: \$11,000. Role: Principal Investigator. Credit: 100%.

Southern Regional Extension Forester (024078-02)
Various Other States, October 1, 2001–September 30, 2002
Amount: \$13,179. Role: Principal Investigator. Credit: 100%.

Southern Regional Extension Forestry Travel And Support (024872-01)
US Department of Agriculture, January 1, 2002–September 30, 2003
Amount: \$40,000. Role: Principal Investigator. Credit: 100%.

NED DSS Fuel Management Video (024791-01)
US Department of Agriculture, January 1, 2002–September 30, 2005
Amount: \$37,000. Role: Principal Investigator. Credit: 50%.

Intelligent Encyclopedia Of Southern Appalachian Forest Navigation Project 2 (024588-01)
US Department of Agriculture, October 1, 2001–April 30, 2003
Amount: \$9,000. Role: Principal Investigator. Credit: 100%.

Southern Regional Forester Travel 01a (024180-01)
US Department of Agriculture, October 1, 2000–April 30, 2002
Amount: \$15,000. Role: Principal Investigator. Credit: 100%.

Southern Regional Extension Forester (024078-01)
Various Other States, October 1, 2001–September 30, 2002
Amount: \$89,774. Role: Principal Investigator. Credit: 100%.

Spanish Language Seedling Care And Tree Planting Video (024035-01)
US Department of Agriculture, September 1, 2001–August 31, 2002
Amount: \$20,000. Role: Principal Investigator. Credit: 100%.

An Internet System To Display The Development, Status, And Impact Of Voluntary And
Regulatory Fire Protection Programs In Wildlands. Experiencing Residential Expansion
(023870-01).

US Department of Agriculture, September 1, 2001–September 30, 2002
Amount: \$8,000. Role: Principal Investigator. Credit: 100%.

Intelligent Encyclopedia Of Southern Appalachian Forest Navigation Project (023805-01)
US Department of Agriculture, July 1, 2001–October 31, 2002
Amount: \$5,000. Role: Principal Investigator. Credit: 100%.

Natural Resources And Environmental Management Programs On The World Wide Web:
Internet Development And Capacity Building Initiative (023574-01)
US Department of Agriculture, September 1, 2001–December 31, 2003
Amount: \$24,000. Role: Principal Investigator. Credit: 100%.

USDA Forest Service Travel 2001 (022470-01)
US Department of Agriculture, October 1, 2000–September 30, 2001
Amount: \$25,000. Role: Principal Investigator. Credit: 100%.

Southern Regional Forester 01 (022283-01)
Various Other States, October 1, 2000–September 30, 2001
Amount: \$105,916. Role: Principal Investigator. Credit: 100%.

Southern Natural Resources Web Development Project Ii. Reforestation Nurseries And Genetics
Resource And Nursery Associations Iii. Nurserymanager.Com (022257-01)
Ga Forestry Commission, October 1, 2000–June 30, 2002
Amount: \$52,500. Role: Principal Investigator. Credit: 100%.

Technology Training For Urban Forestry Professionals Phase I Satellite Training Of Urban
Forestry (022223-01)
US Department of Agriculture, September 13, 2000–August 31, 2002
Amount: \$55,000. Role: Principal Investigator. Credit: 100%.

Sharing Program Excellence Through New Technologies: Developing A System-Wide
Database (000424-05)
US Department of Agriculture, September 15, 1997–September 14, 2002
Amount: \$43,000. Role: Principal Investigator. Credit: 100%.

Southern Regional Forester FY 2000 (020537-01)
Various Other States, October 1, 1999–September 30, 2000
Amount: \$104,039. Role: Principal Investigator. Credit: 100%.

Forest Service Travel FY99 (018766-02)
US Department of Agriculture, October 1, 1998–March 31, 2001
Amount: \$40,000. Role: Principal Investigator. Credit: 100%.

Forest Service Travel FY 2000 (020485-01)
US Department of Agriculture, October 1, 1999–September 30, 2000
Amount: \$25,000. Role: Principal Investigator. Credit: 100%.

Sharing Program Excellence Through New Technologies: Developing A System-Wide Database (000424-04)
US Department of Agriculture, September 15, 1997–September 30, 2000
Amount: \$24,400. Role: Principal Investigator. Credit: 100%.