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Associate Professor of Forest Resource Economics
CURRICULUM VITAE

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PERSONAL DATA

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Education

- 1990: Ph.D., Forest and Wood Science with course concentrations in microeconomics, forest and natural resources economics, risk, capital theory and finance, production economics, and policy analysis. Colorado State University, Fort Collins, CO.
Dissertation Title: Investment Evaluation and Parameter Stability of a Nominal and Real Capital Asset Pricing Model.
- 1984: M.S., Forest Resources with course concentrations in microeconomics, forest and natural resources economics, and policy analysis. University of Idaho, Moscow, ID.
- 1981: B.S., Forestry Management with course concentrations in forest resources management. Washington State University, Pullman, WA.

Honors and Societies

- 2007 – 2010: Associate Editor for Economics of the *Northern Journal of Applied Forestry*
- 2001: Presented an invited lecture entitled: “What is the value of ... ?” at the Ben Roach Forum Diner held in Kane, PA on April 12, 2001.
- 2001: Attend the Society of American Foresters National Leadership Academy held May 19 – 22, 2001.
- 2000: Received the 1999 New York Chapter of the Society of American Foresters Society Commendation Award that recognizes extraordinary efforts or significant contributions that further the goals of the Society and profession.
- 2000 – : Member of the Ben Roach Executive Committee

- 1999 – : Asked to serve on the editorial board of the *Journal of Regional Analysis and Policy*.
- 1999: Invited to participate in and provide written comment at the National Capacity in Forestry Research workshop sponsored by the National Academy of Sciences' National Research Council, held from July 15 – 16, 1999
- 1999: Invited to present a seminar in a special short course in Environmental Economics at the Centro Nacional de Educación Ambiental (National Center for Environmental Education) in Valsain, Spain in June 1999.
- 1999: Invited to present a seminar entitled “Estimation of Economic Impacts of Nature Tourism” to the Corporación Nacional Forestal in Santiago Chile in January 1999.
- 1998 – : Member of the New York State Department of Environmental Conservation's Natural Resources Conservation Education Steering Committee.
- 1998: Invited to present the results of a 1998 New York Center for Research and Development funded research project entitled “Economic Analysis of Silviculture Applied to Diameter-Limit Cut Stands in the Southern Tier and Central New York” to New York State Sen. John A. DeFrancisco on Dec. 6, 1999.
- 1997: Distinguished Teacher Award presented by the Undergraduate Student Association of the State University of New York College of Environmental Science and Forestry.
- 1997 – 2001: Chairperson of the Education Committee for the New York State Chapter of the Society of American Foresters.
- 1995 – 2007: Continuing Forestry Education (CFE) coordinator for the New York State Chapter of the Society of American Foresters.
- 1993 – Member Society of American Foresters.
- 1993: USDA Certificate of Merit for superior efforts as a research economist/forester.
- 1980: President of the Washington State University Chapter of Xi Sigma Pi.
- 1978: A member of the Washington State University Chapter of Xi Sigma Pi.

Professional Positions

- 2000 – : Associate Professor of Forest Resource Economics, Department of Forest and Natural Resources Management, SUNY - College of Environmental Science and Forestry, Syracuse, NY. My principal responsibilities translate into a 50% teaching, 40% research, and 10% public service time commitment. I am currently responsible for teaching undergraduate and graduate courses in forest resource, natural resource, and environmental economics. My research focuses primarily on developing mathematical and economic models to critically analyze questions concerning the sustainable management and use of forest resources. The sections

entitled “Publications” and “Grant Proposals Funded” illustrates the breadth of my research. My public service activities include working on various Faculty of Forestry and College committees, teaching continuing education courses, and participating in professional activities (e.g., Society of American Foresters).

- 2006 – : Chair – Graduate Education Committee for the Department of Forest and Natural Resources Management.
- 1994 – 2000: Assistant Professor of Forest Resource Economics, Department of Forest and Natural Resources Management, SUNY - College of Environmental Science and Forestry, Syracuse, NY. My principal responsibilities translate into a 50% teaching, 40% research, and 10% public service time commitment. I am currently responsible for teaching undergraduate and graduate courses in forest resource, natural resource, and environmental economics. My research focuses primarily on developing mathematical and economic models to critically analyze questions concerning the sustainable management and use of forest resources. The sections entitled “Publications” and “Grant Proposals Funded” illustrate the breadth of my research. My public service activities include working on various Faculty of Forestry and College committees, teaching continuing education courses, and participating in professional activities (e.g., Society of American Foresters).
- 1992 – 1994: Research Economist/Forester (GS-12), USDA Forest Service, Southeast Forest Experiment Station, Research Triangle Park, NC. My research focused on four general areas: 1) developing a market-oriented regional forest sector model to assess the effects of changes in biological and public policy factors on timber investment and supply, 2) examining the financial risk associated with investing in natural resources management, 3) examining the socioeconomic and regional economic impacts of public resource management policies, and 4) examining the economic value of biotechnology progress in forestry. In addition, I was responsible for managing cooperative agreements between myself and researchers outside of the Forest Service.
- 1990 – 1992: Quartet Systems, Inc, Haydenville, MA. A firm specializing in economic, social, and political analysis and information systems consulting. I was a project manager for contracts and responsible for regional and welfare economic analysis. My work entailed: 1) assisting towns in revitalizing their economies by analyzing and evaluating regional economic policies and problems, 2) assisting non-economists in understanding, using, and interpreting the results of regional economic tools and models through oral and written reports and educational programs, 3) supervising contracts dealing with urban - rural interface problems, land use planning, industrial targeting, and the impacts of natural resource-based industries on a regional economy, and 4) supervising the development of three software packages used in regional economic analysis and writing the User's Manuals.
- 1989 – 1990: Faculty Research Associate, Department of Resource Economics, and State Specialist in Resource Economics, Center for Economic Development and the

Center for Rural Massachusetts, University of Massachusetts, Amherst, MA. I worked on research, development, and use of MicroIMPLAN, a microcomputer-based system for constructing regional accounts that characterize the interdependence between producing and consuming sectors of an economy. This model is used extensively by the USDA Forest Service as well as other state and federal governmental agencies and university researchers for regional economic policy analysis and evaluation. In addition, I was a principal instructor for training Extension Service personnel on the use of MicroIMPLAN and providing user assistance at the local, regional, and national levels.

- 1988 – 1989: Operations Research Analyst (GS-11), USDA Forest Service, Ft. Collins, CO. Primary duties included research and development of the Version 2 IMPLAN and the MicroIMPLAN models. I assisted state and federal governmental agencies, national and international consulting groups, and university researchers in designing and conducting research using the Version 2 IMPLAN and MicroIMPLAN models. Responsibilities included the preparation and editing of documentation needed to disseminate the results of these studies. I was also a principal instructor for MicroIMPLAN training, given at the USDA National Computer Center at Ft. Collins and at the University of Minnesota.
- 1986 – 1988: Operations Research Analyst (GS-9), USDA Forest Service, Ft. Collins, CO. Primary duties were to: 1) assist in developing, constructing, and testing the Version 2 IMPLAN code, 2) update the Version 2 IMPLAN database, and 3) assist Forest Service and non-Forest Service users in designing and conducting research using the Version 2 IMPLAN model.
- 1985 – 1986: Computer Programmer (GS-7), USDA Forest Service, Ft. Collins, CO. Primary duties were to: 1) maintain and update the Version 1 IMPLAN code and database, and 2) assist Forest Service and non-Forest Service users in designing and conducting research using the Version 1 IMPLAN model.

International Research

- 2001 – 2003: Co-investigator in the development on an urban vegetation management system for air pollution control and decision making at the local level for Santiago, Chile.
- 1998 – 1999: Consultant on a World Bank project pertaining to the analysis of nature tourism and its potential economic and environmental impacts: Phase 2.
- 1996: Consultant on a World Bank project pertaining to the analysis of nature tourism and its potential economic and environmental impacts: Phase 1.
- 1993 – 1994: Principal investigator in developing a social accounting matrix (SAM) for the municipality of Guaraqueçaba, Brazil. A SAM provides a concise framework for analyzing a region's economy by: 1) describing the production activities, the composition of institutions' (i.e., households, federal, state and local governments) income, consumption, savings and investment, and external trade, and 2) emphasizing the links between demand, production, and income in a

region's economy. The SAM is used to examine the economic impacts of ecotourism in the region.

1989: Co-investigator in developing an input-output model for the country of Mexico and the state of Durango. The input-output model used MicroIMPLAN as a shell to generate the regional accounts and estimate economic impacts and was used to examine the impacts of the wood products industries on the economies of Mexico and the State of Durango.

University Teaching Positions

- 1994 – : SUNY - College of Environmental Science and Forestry, Syracuse, NY. I am responsible for teaching two undergraduate courses: 1) Introduction to Economics and 2) Managerial Economics for Environmental Professionals; and three graduate courses: 1) Managerial Economics for Environmental Professionals, 2) Resource and Environmental Economics, and 3) Forest and Natural Resources Policy Seminar. The Managerial Economics for Environmental Professionals courses apply economic principles and quantitative decision making methods to the sustainable management and use of forest and related natural resources. The Resource and Environmental Economics course is an introductory course in resource and environmental economics: applying economic theories and models to analyze decisions concerning the use of forest, marine, and water resources and to analyze policy tools for mitigating pollution created as a result of production and consumption.
- 1990 – 1991: University of Massachusetts, Amherst, MA. I was responsible for teaching an undergraduate and graduate course in Forest and Natural Resource Economics. The topics taught included microeconomic theory, capital theory and finance, and methods used in pricing non-market assets (i.e., the travel cost model, contingent valuation, and the hedonic method). The course concentrated on applying these theories to the problems of forest and natural resources management.
- 1983 – 1985: Colorado State University, Fort Collins, CO. As a graduate teaching and research assistant, I was responsible for helping in the teaching of graduate and undergraduate courses that concentrated on applying microeconomic principles to the problems of forest and natural resources management.
- 1981 – 1983: University of Idaho, Moscow, ID. As a graduate teaching and research assistant, I was responsible for helping in the teaching of undergraduate courses that concentrated on applying microeconomic principles to the problems of forest and natural resources management. I was also responsible for teaching a laboratory section in forest management.

PUBLICATIONS

Publications in Peer-Reviewed Journals

- Escobedo, Francisco, John E. Wagner, David J. Nowak, Carmen Luz De la Maza, Manuel Rodriguez, and Daniel E. Crane. 2008. Analyzing the cost-effectiveness of Santiago, Chile's policy of using urban forests to improve air quality. *Journal of Environmental Management*. **86**:148-157.
- Sandulescu, Emil, John E. Wagner, Sharon Paillar, Donald W. Floyd, Craig J. Davis. 2007. Policy Analysis of a Government-Sanctioned Management Plan for a Community-Owned Forest in Romania. *Forest Policy and Economics*. **10**:14-24.
- Escobedo, Francisco, J., David J. Nowak, John E. Wagner, Carmen Luz De la Maza, Manuel Rodriguez, Daniel E. Crane, and Jaime Hernández. 2006. The socioeconomics and management of Santiago de Chile's public urban forest. *Urban Forestry and Urban Greening*. **4**(3-4):104-114.
- Wagner, John E. and Paul E. Sendak. 2005. The Annual Increase of Northeastern Regional Timber Stumpage Prices: 1961 – 2002. *Forest Products Journal*. **55**(2):36-45.
- Wagner, John E., Bryan Smalley, and William Luppold. 2004. Factors Affecting the Merchandising of Hardwood Logs in the Southern Tier of New York. *Forest Products Journal*. **54**(11):98-102.
- Wagner, John E., Christopher A. Nowak, and Lisa M. Casalmir. 2003. Financial Analysis of Diameter-Limit Cut Stands in Northern Hardwoods. *Small-scale Forest Economics, Management and Policy*. **2**(3):357-376.
- Wagner, John E, Craig J. Davis, Dean E. Roczen, and Lee P. Herrington. 2002. Combining Zoning Regulations and Property Tax Relief to Retain Forestland and Promote Forest Management. *North. J. Appl. For.* **19**(2):53-58.
- Wagner, John E. 2001. Regional Economic Diversity: Action, Concept, or State of Confusion. *Journal of Regional Analysis and Policy*. **30**(2):1-22.
- Cubbage, Frederick W., John M. Pye, Thomas P. Holmes, and John E. Wagner. 2000. An Economic Evaluation of Fusiform Rust Protection Research. *Southern Journal of Applied Forestry*. **24**(2):77-85.
- Carroll, Megan E., Valerie A. Luzadis, John E. Wagner and Donald W. Floyd. 2000. Assessing the Business Environment for the Forest Products Industry in the Northeast. *Forest Products Journal*. **50**(5):61-66.
- Wagner, John E. and Thomas. P. Holmes. 1999. Estimating Economic Gains for Landowners due to Time-Dependent Changes in Biotechnology. *Forest Science*. **45**(2):163-170.
- Wagner, John E. 1998. Meža Resursu Izmantošana Savstarpēji Konkurējošiem Mērķiem. *Meža Dzīve*. **11/12**:22-24.
- Wagner, John E. and Steve C. Deller. 1998. Measuring the Effects of Economic Diversity on Growth and Stability. *Land Economics*. **74**(4):541-560.

- Wagner, John E., Valerie A. Luzadis, and Donald W. Floyd. 1998. A Role for Economic Analysis in the Ecosystem Management Debate. *Landscape and Urban Planning*. **40**:151-157.
- Martinez de Anguita, Pablo and John E. Wagner. 1997. Análisis económico de la certificación de bosques. *Revista Montes*. n° 50-4° Trimestre de 1997. pp. 47-52.
- Wagner, John E. 1997. Estimating the Impacts of Tourism. *Annals of Tourism Research*. **24**(3):592-608.
- Wagner, John E., Frederick W. Cabbage, and Clair H. Redmond. 1995. Comparing the Capital Asset Pricing Model and Capital Budgeting Techniques to Analyze Timber Investments. *Forest Products Journal*. **45**(7/8):1-9.
- Wagner, John E., Frederick W. Cabbage and Thomas P. Holmes. 1994. Estimated Economic Impacts in Southern Softwood Stumpage Markets due to Environmental Regulations. *Southern Journal of Applied Forestry*. **18**(4):156-162.
- Wagner, John E., Steve C. Deller, and Gregory S. Alward. 1992. Estimating Economic Impacts using Industry and Household Expenditures. *Journal of the Community Development Society*. **23**(2):79-102.
- Wagner, John E. and Douglas B. Rideout. 1992. The Stability of the Capital Asset Pricing Model's Parameters in Analyzing Forest Investments. *Canadian Journal of Forest Research*. **22**:1639-1645.
- Wagner, John E. and Douglas B. Rideout. 1991. Evaluating Forest Management Investments: Real Capital Asset Pricing Model and the Income Growth Model. *Forest Science*. **37**(6):1591-1604.
- Rideout, Douglas B. and John E. Wagner. 1988. Testing Cost-Sharing Techniques on a Multiple-Use Timber Sale. *Forest Ecology and Management*. **23**:285-296.
- Rideout, Douglas B. and John E. Wagner. 1986. An Analysis of the Separable Costs - Remaining Benefits Method of Joint Cost Allocation. *Canadian Journal of Forest Research*. **16**(5):880-884.

Other Peer-Reviewed Publications

- Kays, J., G. Goff, S.J. Milauskas, M. Greason, J.E. Wagner and H. Canham. 2007. Developing a Custom Portable Sawmill Enterprise. Natural Resources, Agriculture, and Engineering Service. NRAES-134. Cornell Cooperative Extension, Ithica NY
- Martinez de Anguita, Pablo and John E. Wagner. 2006. Sostenibilidad Económica: Análisis Económico Regional. In Martinez de Anguita, Pablo, *Desarrollo Rural Sostenible*, McGraw-Hill, Madrid Spain
- Martinez de Anguita, Pablo and John E. Wagner. 2000. Introducing the environment in the regional development economics: applications in the Input-Output and Social Accounting Matrix models. In Curso de Economía Social y Cooperativas. Universidad Católica de Avila.

- Sedjo, Roger A., Dale E. Towell and John E. Wagner. 1999. Economic Interactions at Local, Regional, National, and International scales. In: W.T. Sexton et al (eds), *Ecological Stewardship: A Common Reference for Ecosystem Management*, vol. III, Elsevier Science Ltd, Oxford.
- Pye, John M., John E. Wagner, Thomas P. Holmes, and Frederick W. Cabbage. 1997. Positive Returns from Investment in Fusiform Rust Research. USDA Forest Service Southern Research Station Research Paper SRS-4. Research Triangle Park, NC 27709.
- Sills, Erin O., Maria Vitória Yamada Müller, Frederick Cabbage, Thomas P. Holmes, John M. Pye, John E. Wagner, Lenita M. Marques, Judith Binns, and Diane C. Riggsbee. 1996. Analysis of the Potential for Ecotourism in Northern Littoral of Paraná Brazil: Project Summary. Forestry Private Enterprise Initiative Report (FPEI) Working Paper. USDA Southeastern Forest Experiment Station, Research Triangle Park, NC 27709 USA.
- Wagner, John E. 1996. Developing a Social Accounting Matrix to Examine Tourism in the Área de Proteção Ambiental de Guaraqueçaba, Brazil. Forestry Private Enterprise Initiative Working Paper (FPEI) No. 58. USDA Forest Service. Southeastern Forest Experiment Station. Research Triangle Park, NC 27709.
- Pye, John M., John E. Wagner, Thomas P. Holmes, and Frederick W. Cabbage. 1995. Evaluation of the Effects of Fusiform Rust Research on Southern Pine Timber Investment Returns. Southeastern Center for Forest Economics Research (SCFER). SCFER Working Paper No. 79. USDA Forest Service, Southern Research Station, Research Triangle Park, NC 27709.

Technical Bulletins, Proceedings, and Documentation Publications, etc.

- Nordman, E.E. and J.E. Wagner. 2007. Prioritizing Open Space Purchases Using Environmental Benefit Scores and Acquisition Costs. Michigan Academy of Science, Arts, & Letters Annual Meeting, Ferris State University, March 9-10, 2007.
- Wagner, J.E., C. Kao, and Y. Hong. 2004 Are stumpage markets in the US Pacific Northwest informationally efficient: A test of the martingale hypothesis. A poster presented at the 2004 Society of American Foresters Convention held in Edmonton, Alberta. October 2-6, 2004.
- Wagner, J.E. and C.J. Davis. 2003. Reader Response: Stand Revisited. *New York Forester*. **60**(1):8-9.
- Malmsheimer, R.W., D. W. Floyd, Rene' Germain, Valerie Luzadis, Sarah Vonhof, and John Wagner. 2003. Strategies to improve forestry graduate programs. In *Forest Science in Practice: Proceedings of the 2003 Society of American Foresters Convention* held in Buffalo, NY. October 25-29 2003. Bethesda, MD: Society of American Foresters. Under review.
- Malmsheimer, R.W., D. W. Floyd, Rene' Germain, Valerie Luzadis, Sarah Vonhof, and John Wagner. 2003. Strategies to improve forestry graduate programs. A poster presented at the 2003 Society of American Foresters Convention held in Buffalo, NY. October 25-29 2003.
- Wagner, John E. 2003. Does Emissions Trading Encourage Innovation? A talk presented at "The

Economic Dynamics of Environmental Law and Static Efficiency Conference held at Syracuse University College of Law in Syracuse, NY held on October 10-11, 2003.

- Wagner, John E. 2003. Improving your Language: Forest Resources Management. *The New York Forester*. **59**(2):8.
- Wagner, John E., Rene' Germain, and Eddie Bevilacqua. 2003. Financial Decision Making in Forestry Made Easy. A workshop presented at the State University of New York, College of Environmental Science and Forestry Syracuse, NY on May 21 -22, 2003.
- Nordman, Erik, John E. Wagner, and Ross Whaley. 2003. Does Quality Matter When Assessing Changes in Forest Natural Capital? A poster presented at the Spotlight on Research 2003: Graduate and Undergraduate Research Symposium" held at the State University of New York, College of Environmental Science and Forestry Syracuse, NY on April 10, 2003.
- Casalmir, Lisa M., John E. Wagner, and Christopher A. Nowak. 2003. Financial Analysis of Thinning Diameter-Limit Cut Stands in Northern Hardwoods. A poster presented at the Spotlight on Research 2003: Graduate and Undergraduate Research Symposium" held at the State University of New York, College of Environmental Science and Forestry Syracuse, NY on April 10, 2003.
- Wagner, John E. 2003. Financial Analysis: A Review for Foresters. A workshop presented at the New York State Society of American Foresters Winter Meeting held in Syracuse, NY on January 29, 2003.
- Casalmir, Lisa M., John E. Wagner, and Christopher A. Nowak. 2003. Financial Analysis of Thinning Diameter-Limit Cut Stands in Northern Hardwoods. A poster presented at the New York State Society of American Foresters Winter Meeting held in Syracuse, NY on January 30, 2003.
- Wagner, John E., Lisa M. Casalmir, and Christopher A. Nowak. 2003. Financial Analysis of Thinning Diameter-Limit Cut Stands in Northern Hardwoods. New York Center for Forestry Research and Development, SUNY – ESF. Misc. Report NYCFRD-03-01.
- Wagner, John E., Lisa M. Casalmir, and Christopher A. Nowak. 2002. Financial Analysis of Thinning Diameter-Limit Cut Stands in Northern Hardwoods. A final report detailing the results of a study funded by the New York Center for Forestry Research and Development, SUNY – College of Environmental Science and Forestry, Syracuse, NY.
- Wagner, John E. and Jennifer A. Cairo. 2001. Estimating the Costs of Wildfire and Forest Fire in the United States. A final report presented to the Institute for the Application of Geospatial and Technology located in Auburn, NY.
- Smalley, Bryan, John Wagner, and Hugh Canham. 2001. Factors affecting the market distribution of hardwood roundwood from harvests in the Southern Tier of New York. A poster presented at the "Spotlight on Research 2001: Graduate and Undergraduate Research Symposium" held at the State University of New York, College of Environmental Science and Forestry Syracuse, NY on April 20, 2001.
- Casalmir, Lisa, John Wagner, Chris Nowak. 2001. Economic Analysis of Thinning Diameter-

- Limit Cut Stands. A poster presented at the “Spotlight on Research 2001: Graduate and Undergraduate Research Symposium” held at the State University of New York, College of Environmental Science and Forestry Syracuse, NY on April 20, 2001.
- O’Donnell, John J., John E. Wagner, and Hugh Canham. 2001. The Ice Storm of 1998 and its Economic Effects on Timber and Recreational Opportunities. A poster presented at the “Spotlight on Research 2001: Graduate and Undergraduate Research Symposium” held at the State University of New York, College of Environmental Science and Forestry Syracuse, NY on April 20, 2001.
- Wagner, John E. 2001. Financial Evidence – Short-term implications: A 20-year investment analysis. A paper presented at the New York State Society of American Foresters Winter Meeting at Syracuse, NY from January 24-26, 2001.
- Casalmir, Lisa M., John E. Wagner and Christopher A. Nowak. 2001. Economical Analysis of Thinning Diameter-Limit Stands. Invited Speaker. Forest Stewards Guild National Meeting. Silver Lake NY. April 2001.
- Wagner, John E. Christopher A. Nowak, Chris Helmes and Lisa M. Casalmir. 2001. Economic Analysis of Diameter-Limit Cut Stands in Northern Hardwoods. The New York Center for Forestry Research and Development Misc. Report NYCFRD-00-01. SUNY – College of Environmental Science and Forestry, Syracuse, NY 13210.
- Wagner, John E, Christopher A. Nowak, Chris Helmes, and Lisa M. Casalmir. 2000. Economic Analysis of Diameter-Limit Cut Stands In Northern Hardwoods. A final report detailing the results of a study funded by the New York Center for Forestry Research and Development, SUNY – College of Environmental Science and Forestry, Syracuse, NY.
- Casalmir, Lisa, John Wagner, Chris Nowak. 2000. Economic Analysis of Thinning Diameter-Limit Cut Stands. A poster presented at the Society of American Foresters’ 2000 National Convention held in Washington D.C. from November 15-19, 2000.
- Wagner, John., Hugh Canham, William Bentley, Rene’ Germain, and Craig Davis. 2000. Financial Feasibility Analysis of In-Woods Chipping to Supply Wood Chips for the Proposed Norbord Expansion. A report to the Watershed Agricultural Council. State University of New York College of Environmental Science and Forestry. Syracuse, NY 13210.
- Wagner, John E. 1999. A View from the Middle. This invited comment was part of the National Academy of Sciences’ National Research Council’s Committee on National Capacity in Forestry Research workshop held at the National Academy of Sciences in Washington D.C. from July 15-16, 1999.
- Casalmir, Lisa, Craig Davis, John Wagner, and Lianjun Zhang. 1999. Economically Optimal Rotation Age Determination Under Sustainable Forestry. A poster presented at the Society of American Foresters’ 1999 National Convention held in Portland, OR from September 11-15, 1999.
- Helmes, Chris, Chris Nowak, John Wagner, Hugh Canham, and Eddie Bevilacqua. 1999. Economic Analysis of Diameter-Limit Cut Stands in the Southern Tier and Central New

- York. A poster presented at the Society of American Foresters' 1999 National Convention held in Portland, OR from September 11-15, 1999.
- Wagner, John E. 1999. Introduction to Forestry Economics. A paper presented at the "Evaluacion Economica Integral de Recursos Naturales y Sistemas Forestales" Conference held in Valsain, Spain from May 31 to June 3, 1999.
- Casalmir, Lisa, Craig Davis, John Wagner, and Lianjun Zhang. 1999. Economically Optimal Rotation Age Determination Under Sustainable Forestry. A poster presented at the "Spotlight on Research '99: Graduate and Undergraduate Research Symposium" held at the State University of New York, College of Environmental Science and Forestry Syracuse, NY on April 14, 1999.
- Helmes, Chris, Chris Nowak, John Wagner, Hugh Canham, and Eddie Bevilacqua. 1999. Economic Analysis of Diameter-Limit Cut Stands in the Southern Tier and Central New York. A poster presented at the "Spotlight on Research '99: Graduate and Undergraduate Research Symposium" held at the State University of New York, College of Environmental Science and Forestry Syracuse, NY on April 14, 1999.
- Wagner, John E., Lee Herrington, Valerie Luzadis, Ruth Yanai, and Lianjun Zhang. 1999. Report by the Ad Hoc Committee on the Review of the Faculty of Forestry's 1997 Strategic Plan. Faculty of Forestry, State University of New York, College of Environmental Science and Forestry, Syracuse, NY.
- Wagner, John E. 1998. Regional Economic Multipliers and Leakages. A report prepared for a World Bank project pertaining to the analysis of nature tourism and its potential economic and environmental impacts: Phase 2.
- Marcouiller, David W., Steven C. Deller, and John E. Wagner. 1998. The Role on Non-Market Forest Resources in Rural Development: An Environmental Social Accounting Matrix Approach. A paper presented at the "Who Owns America II: How Land and Natural Resources are Owned and Controlled" conference organized by the North American Program of the Land Tenure Center and the Lincoln Land Institute, held in Madison WI, from June 3-6, 1998.
- Carroll, Megan, Valerie Luzadis, John Wagner, and Donald Floyd. 1998. Regulatory Climate and Forest Products Industry Competitiveness: Perspectives from the Northeast. A poster presented at the "Spotlight on Research '98: Graduate and Undergraduate Research Symposium" held at the State University of New York, College of Environmental Science and Forestry Syracuse, NY on April 14, 1998.
- Wagner, John E. 1998. Brave Enough? Try Stump-the-Chump. Focus on Teaching and Learning at SUNY-ESF. 9(1):6-7.
- Hassett, James and John Wagner. 1998. Use of Early Semester Student Evaluations. A paper and poster presented at the "Symposium on Teaching, Learning, and Technology" sponsored by Faculty Governance Subcommittee on Instructional Quality, Offices of the President and Provost, and IDEaS held at SUNY - College of Environmental Science and Forestry Syracuse, NY on February 6, 1998.

- Carroll, Megan, Valerie Luzadis, John Wagner, and Donald Floyd. 1998. Perceptions of Regulatory Climate: What Do Logger And Sawmiller Think? A paper presented at the 7th International Symposium on Society and Resource Management: Culture, Environment, and Society held at University of Missouri-Columbia, Columbia, MO from May 27-31, 1998.
- Carroll, Megan, Valerie Luzadis, John Wagner, and Donald Floyd. 1997. Perceptions of Regulatory Climate: What Do Logger And Sawmiller Think? A poster presented at the Society of American Foresters' National Convention held in Memphis, TN from Oct. 4 - 8, 1997.
- Carroll, Megan, John Wagner, Donald Floyd, and Valerie Luzadis. 1997. Assessing the Regulatory Environment for the Primary Wood Products Industry in New York State. A poster presented at the "Spotlight on SUNY-ESF Research" held at the State University of New York, College of Environmental Science and Forestry Syracuse, NY on April 18, 1997.
- Floyd, Donald W., Maureen O'Neil Fellows, Charles A. Maynard, and John E. Wagner. 1997. A Strategic Plan for the Faculty of Forestry: 1997-2000. Faculty of Forestry, State University of New York, College of Environmental Science and Forestry, Syracuse, NY.
- Wagner, John E., Valerie A. Luzadis, and Donald W. Floyd. 1995. What is the Role of Economics in an Ecosystem Approach to Management? Final Report to the New York Center for Forestry Research & Development, SUNY - College of Environmental Science and Forestry, Syracuse, NY.
- Wagner, John E., Valerie A. Luzadis and Donald W. Floyd. 1995. A Conceptual Framework for an Economic Evaluation of an Ecosystem Approach to Management. In the proceedings of the Southern Forest Economics Workers 25th Annual Meeting held in New Orleans, LA from April 17-19, 1995.
- Pye, John M., John E. Wagner, Thomas P. Holmes and Frederick W. Cabbage. 1994. What's Rust Hazard Prediction Worth? A Bioeconomic Simulation of Resistant Seedling Allocation Across the South. In the proceedings of the 8th Biennial Southern Silvicultural Research Conference held at Auburn University, Auburn, AL from Oct. 31 to Nov. 3, 1994.
- Wagner John, E., Thomas P. Holmes and John M. Pye. 1994. The Economic Value of Genetic Progress in Forestry Revisited. In the proceedings of the Southern Forest Economics Workshop held in Savannah, GA from March 27-29, 1994.
- Wagner, John E. and Steve C. Deller. 1993. A Measure of Economic Diversity: An Input-Output Approach. Center for Community Economic Development Staff Paper 93.3, University of Wisconsin/Extension - Madison.
- Wagner, John E., David N. Wear and Peter J. Parks. 1993. A Modeling Framework for Management and Policy Analysis in the Forest Sector. In the proceedings of the Southern Forest Economics Workshop held at Duke University, Durham, NC from April 21-23, 1993.
- Dicks, Michael R., Bengt Hyberg, Thomas Hebert, Eric Siverts, John Wagner. 1991. Development of a Regional Inter-Sectorial Impact Simulator (RISIS). Oklahoma State University Agricultural Experiment Station Bulletin #B-800.

- Alward, Greg S., L. Eric Siverts, Doug Olson, John Wagner, Dave Senf and Scott Lindall. 1989. MicroIMPLAN Software Manual. Unpublished material developed in cooperation with the USDA Forest Service Timber and Land Management Group in Ft. Collins and the Department of Agricultural and Applied Economics at the University of Minnesota.
- Dicks, Mike R., Bengt T. Hyberg, Thomas Hebert, John E. Wagner, Eric Siverts, and Greg Alward. 1988. A Method for Measuring Land Use Interindustry Impacts: Combining Input-Output analysis with Spreadsheets. Economic Research Services Technical Bulletin.
- Siverts, Eric, Greg Alward, John E. Wagner, and Ken Walters. 1987. Interim IMPLAN Version 2 User's Guide. USDA Forest Service. Systems Application Unit. Land Management Planning. Fort Collins, CO.

Extension Bulletins and Publications

- Feldman, R., Nancy Goff, and John E. Wagner. 1990. Report on Franklin's Industrial Development: Current Situation, Future Prospects. A study and report to the Town of Franklin, MA. Center for Economic Development at the University of Massachusetts, Amherst, MA.
- Feldman, R., Nancy Goff, and John E. Wagner. 1989. Strategic Analysis: North Central Worcester County, MA. Center for Economic Development at the University of Massachusetts, Amherst, MA.
- Flynn, C., Nancy Goff, and John E. Wagner. 1989. Fiscal and Economic Impacts of the Proposed Patriot Generating Station; Town of Barre, MA. Center for Economic Development at the University of Massachusetts, Amherst, MA.

GRANT PROPOSALS FUNDED

- 2005 FNRM Research Incentive Funds. Title: Economic Research Project Development with USFS Penobscot Experimental Forest. John E. Wagner. Total Funding \$881
- 2004 USDA Forest Service Northeastern Research Station. Title: A test of the efficient market hypothesis for Pennsylvania's hardwood stumpage market given the information set includes knowledge of hardwood lumber prices. John E. Wagner. Duration: 2 years. Total Funding: \$20,919.
- 2003 NSRC Preproposal. Title: Determination of new silviculture guidelines to balance sustainable production of forest products and critical forest habitat structures in managed northern hardwood forests. Principle Investigator: Gregory G. McGee, EFB. Co-Principle Investigators: Ralph Nyland, John Wagner, and others. Duration: 3 years. Total Funding: \$150,000.
- 2001 Cayuga Community College. Title: "Estimating the Costs of Wildfire and Forest Fires in the United States". John E. Wagner. Duration: 5 months. Funding Level: \$22,074.00
- 2001 Fondo de Fomento al Desarrollo Cientifico y Tecnologico (FONDEF), Santiago Chile.

- Title: “Development of an Urban Vegetation Management System for Air Pollution Control and Decision Making at the Local Level.” Francisco J. Escobedo, David J. Nowak, and John E. Wagner. Duration: 2 years. Funding Level: \$36,000. This is one component of a larger project funded by Fondo de Fomento al Desarrollo Científico y Tecnológico. Principle Investigator: University of Chile, Santiago. Duration: 2 year. Total Funding: \$287,273.
- 2000 Watershed Agriculture Council. Title: “Financial Feasibility Analysis of In-Woods Chipping to Supply Wood Chips for the Proposed Norbord Expansion” John E. Wagner, Hugh O. Canham, Craig J Davis, and Rene’ Germain. Duration: 1 year. Funding Level: \$26,121.
- 1999 Maryland Cooperative Extension. Title: “An Economic Analysis of Portable Sawmills.” John E. Wagner and Hugh O. Canham. Duration: 1 month. Funding level: \$400.
- 1999 USDA Forest Service, Northeast Area State and Private Forestry. Title: “Factors Affecting Distribution of Hardwood Roundwood Products in the Southern Tier of New York.” John E. Wagner. Duration: 2 years. Funding level: \$47,180.
- 1999 Niagara Mohawk Power Corporation. Title: “Ecological Inventory and Land Management Alternatives Analysis of Niagara Mohawk Power Corporation Lands – Economic Analysis.” John E. Wagner. Duration: 1 year. Funding level: \$5,000. This is one component of a larger project funded by Niagara Mohawk Power Corporation. Principal Investigator: James Gibbs. Duration: 1 year. Total Funding: \$180,421.
- 1998 USDA - National Forest Service. Title: “Northern New York Ice Storm Project - Economic Impact Analysis.” John E. Wagner and Hugh O. Canham. Duration: 2 years. Funding level: \$45,000.
- 1998 New York Center for Forestry Research and Development. SUNY College of Environmental Science and Forestry. Title: “Economic Analysis of Silviculture Applied to Diameter-Limit Cut Stands in the Southern Tier and Central New York.” John E. Wagner, Christopher Nowak, Hugh Canham, and Edwin Bevilacqua. Duration: 2 years. Funding level: \$48,000.
- 1998 World Bank, Environmental Department. Title: “Analysis of Nature Tourism and Its Potential Economic and Environmental Impacts: Phase 2.” John E. Wagner. Duration: 1 year. Funding level: \$1,000.
- 1997 State University of New York Learning Network. Develop a World Wide Web-based College course on Environmental Economics. Duration: 8 months. Funding level: \$4,000.
- 1996 New York Center for Forestry Research & Development. SUNY College of Environmental Science and Forestry. Title: “Assessing the Comparative Regulatory Environment for the Primary and Secondary Wood Products Industry in New York State.” John E. Wagner, Donald W. Floyd, and Valerie A. Luzadis. Duration: 1 year. Funding level: \$14,833.
- 1996 World Bank, Environmental Department. Title: “Analysis of Nature Tourism and Its

- Potential Economic and Environmental Impacts: Phase 1.” John E. Wagner. Duration: 1 year. Funding level: \$1,000.
- 1995 USDA Forest Service; Southeastern Forest Experiment Station. Title: “A Forest Sector Model.” Craig. J. Davis and John E. Wagner. Duration: 2 years. Funding level: \$28,000.
- 1995 USDA National Research Initiative Competitive Grants Program. Title: “An Environmental Social Accounting Matrix for Analyzing Forest Management.” Steven C. Deller, David W. Marcouiller, and John E. Wagner. Duration: 2 years. Funding level: \$60,989.
- 1994 New York Center for Forestry Research & Development. SUNY College of Environmental Science and Forestry. Title: “What is the Role of Economics in an Ecosystem Approach to Management?” John E. Wagner, Valerie A. Luzadis, and Donald W. Floyd. Duration: 1 year. Funding level: \$7,500.

PARTICIPATION IN PROFESSIONAL MEETINGS AND SEMINARS

- Wagner, John E. 2002. Current and Emerging Issues. Chaired a Panel Discussion at the New York State Society of American Foresters Winter Meeting held in Liverpool NY on January 31, 2002.
- Wagner, John E., William Bentley, and Valerie Luzadis. 2002. Helping the Forester to Become a Better Leader. A workshop presented at the New York State Society of American Foresters Winter Meeting held in Liverpool NY on January 31, 2002.
- Wagner, John E. and Hugh O. Canham. 2002. Financial Analysis in Forest Management. A workshop presented at the New York State Society of American Foresters Winter Meeting held in Liverpool NY on January 30, 2002.
- Wagner, John E. 2001. Diameter-Limit Cutting: Examining the Evidence. A talk presented at “Meeting the Challenges of Sustainable Forestry in Pennsylvania”. A workshop held at Pennsylvania State University, University Park, PA on September 19, 2001.
- Wagner, John E., Hugh O. Canham, and John J. O’Donnell. 2001. Economic Impact Analysis of Timber Losses, Recreational Impact, and Regional Impact of the 1998 Ice Storm. A paper presented at the Ice, Trees, and People: An Integration of Research, Education, and Management Conference held in Syracuse, NY from March 28-29, 2001.
- Wagner, John E. 2001. Financial Evidence – Short-term implications: A 20-year investment analysis. A talk presented at the New York State Society of American Foresters Winter Meeting at Syracuse, NY from January 24-26, 2001.
- Canham, Hugh, and John E. Wagner. 2001. Economic impact of deer in rural woodlands. A paper presented at the New York State Society of American Foresters Winter Meeting at Syracuse, NY from January 24-26, 2001.
- Wagner, John E. 2000. Co-chair a concurrent session entitled “Employment Skills for Natural Resource Students” held at the New York State Tri-Society Meeting (Society of American Foresters, The Wildlife Society, and the American Fisheries Society) in Syracuse, NY from

January 27 – 29, 2000.

- Wagner, John E. 1999. Break Even Analysis for Beech Control. A talk presented at Regenerating Northern Hardwoods in the Adirondacks held at the Huntington Wildlife Forest in Newcomb, NY from October 14-15, 1999. Sponsored by the State University of New York College of Environmental Science and Forestry.
- Wagner, John E. 1998. Break Even Analysis for Beech Control. A talk presented at Regenerating Northern Hardwoods in the Adirondacks held at the Huntington Wildlife Forest in Newcomb, NY. Sponsored by the State University of New York College of Environmental Science and Forestry.
- Wagner, John E., Valerie A. Luzadis and Donald W. Floyd. 1995. A Conceptual Framework for an Economic Evaluation of an Ecosystem Approach to Management. A paper presented at the 25th Annual Meeting of the Southern Forest Economics Workers held in New Orleans, LA from April 17-19, 1995.
- Pye, John M., John E. Wagner, Thomas P. Holmes and Frederick W. Cabbage. 1994. What's Rust Hazard Prediction Worth? A Bioeconomic Simulation of Resistant Seedling Allocation Across the South. A paper presented at the 8th Biennial Southern Silvicultural Research Conference, Auburn University, Auburn AL. from Oct. 31 to Nov. 3, 1994.
- Pye, John M., John E. Wagner, Thomas P. Holmes and Frederick W. Cabbage. 1994. Benefits to South-wide Timber Markets of Genetic Selection for Resistance to Fusiform Rust. A paper presented at the South-wide Forest Disease Workshop held in Asheville, NC from June 7-9, 1994.
- Wagner, John E., Lenita Marques, Maria Vitória Yamada Müller, Evan Mercer, Frederick W. Cabbage. 1994. The Potential Economic Benefits of Ecotourism in the Área de Proteção Ambiental de Guaraqueçaba, Brazil. A paper presented at the 1994 World Congress on Tourism for the Environment held in Puerto Rico from May 31 to June 4, 1994.
- Cabbage, Frederick W., John E. Wagner, Vitória Y. Müller, Erin O. Sills, John M. Pye, David N. Wear, Thomas P. Holmes and D. Evan Mercer. 1994. Analysis of the Potential for Ecotourism in the Atlantic Coastal Forest of Brazil: Methods and Progress. A paper presented at the 1994 World Congress on Tourism for the Environment held in Puerto Rico from May 31 to June 4, 1994.
- Wagner John, E., Thomas P. Holmes and John M. Pye. 1994. The Economic Value of Genetic Progress in Forestry Revisited. A paper presented at the 1994 Southern Forest Economics Workshop held in Savannah, GA from March 27-29, 1994.
- Wagner, John E. and Steve C. Deller. 1994. A Measure of Economic Diversity: An Input-Output Approach. An invited paper presented at the Western Regional Science Association 1994 Annual Meeting held in Tucson, AZ from Feb. 23-27, 1994.
- Wagner, John E., John Pye, Thomas Holmes, and Frederick Cabbage. Biodiversity: Viewpoints and Current Research. A symposium sponsored by The Center for World Environmental and Sustainable Development held at the University of North Carolina Chapel Hill, NC on Jan. 29, 1994.

- Pye, John, John E. Wagner, Thomas Holmes, and Robert Healy. Developing Sustainable Tourism in the Atlantic Forest of Brazil. Tropical Seminar Series. Center for World Environmental and Sustainable Development held at North Carolina State University, Raleigh, NC on Nov. 17, 1993.
- Wagner, John E., David N. Wear and Peter J. Parks. REFORM: A Regional Forest Management and Market Model. Presented at “Forest Resource Assessment and Modeling Workshop” held in Memphis, TN on May 10, 1993.
- Wagner, John E., David N. Wear and Peter J. Parks. A Modeling Framework for Management and Policy Analysis in the Forest Sector. A paper presented at the Southern Forest Economics Workshop held at Duke University, Durham, NC from April 21-23, 1993.
- Pye, John M., John E. Wagner, Frederick W. Cabbage and Thomas P. Holmes. Estimating the Economic Benefits of Fusiform Resistance. An abstract in the proceeding from the South-wide Forest Disease Workshop held in Auburn, AL from January 13-15, 1993.
- Chairperson of the Session: Input-Output Analysis II. At the Southern Regional Science Association Meeting held in Washington, D.C. from March 22-24, 1990.
- Wagner, John E. and Gregory S. Alward. Impact Analysis combining Expenditure Patterns and Response Coefficients given the MicroIMPLAN Input-Output Model. A paper presented at the Southern Regional Science Association Meeting in Washington, D.C. from March 22-24, 1990.