

Brief Curriculum Vitae

FREDERICK W. CUBBAGE

Forest Policy, Economics, and Certification

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EDUCATION

Ph.D.	Forest Economics	University of Minnesota	1981
M.S.	Forest Policy	University of Minnesota	1978
B.S.	Forestry	Iowa State University	1974

PROFESSIONAL EXPERIENCE

Professor, Department of Forestry and Environmental Resources, North Carolina State University, Raleigh, North Carolina, 2004-present

Professor and Head, North Carolina State University, Department of Forestry, 1994-2004

Project Leader, Economics of Forest Protection and Management Work Unit, Southeastern Forest Experiment Station, Research Triangle Park, North Carolina, 1991-1994

Assistant Professor, Associate Professor, and Professor, University of Georgia School of Forest Resources, Athens, 1982-1991

Associate Economist, Southern Forest Experiment Station, New Orleans, 1979-1982

Service Forester, Kentucky Division of Forestry, Elizabethtown, 1974-1976

INSTRUCTION AND ADVISING

Taught 22 different subjects/course levels; 70 classes; 5 universities
Forest and Natural Forest Resource Policy, Forest Economics, Natural Resource Issues, Sustainable Forest Management and Certification, Introduction to Natural Resources

Advised 44 finished graduate students: 11 MS students; 18 MF/MFR/MNR; 15 PhD
Currently advise 6 PhD and 4 Masters' degree students

PUBLICATIONS (356); TECHNICAL SPEECHES (371)

Editor, pending Wiki-book on *Forests and Forestry in the Americas: An Encyclopedia (2007)*

Chairperson and co-author, National Research Council Report, *Forestry Research Capacity (2002)*

Senior author of *Forest Resource Policy (1993)*

95 refereed journal articles; 14 refereed book chapters and editorships

12 non-refereed book chapters and editorships

18 experiment station publications; 18 working papers

122 proceedings articles; 21 web-based publications; 53 popular articles

371 speeches; including 8 congressional/legislative presentations

GRANTS

74 external research grants as a professor or project leader, PI or Co-PI
\$3,297,844 total

PROFESSIONAL

Member, 7 professional and 10 conservation organizations
Chairperson, NRC Forestry Research Capacity Study
Fellow, Society of American Foresters (SAF); Council Member, SAF

Registered Forester, North Carolina
Forest Landowner, Georgia

INTERNATIONAL

Research and consulting, Southern Cone of Americas, 2005-present
Fulbright Lecturing/Research Scholar, August-December, 2004, Uruguay and Argentina
Research project leader, Brazil, 1991-1994
Study tours and student tours, 20 countries
Short courses and program reviews, Thailand, Malaysia, Switzerland, Germany, British Columbia
Spanish language – 6 years of NC State University classes, 2002-2007; capable at intermediate level
Visiting scholar sponsor, 6 visiting scholars, South Korea, Bangladesh, Ukraine, 1994-2006

RECENT BOOKS, REFEREED JOURNAL ARTICLES, AND BOOK CHAPTERS

Books

Cubbage, Frederick W., Editor. 2007. Forests and Forestry in the Americas: An Encyclopedia. Sponsored by the Society of American Foresters and the International Society of Tropical Foresters. Wiki encyclopedia. Current web site at: <http://forestryencyclopedia.jot.com/WikiHome>. In preparation.

National Research Council. 2002. National Capacity in Forestry Research. Written by Frederick W. Cubbage, Perry J. Brown, Thomas R. Crow, John C. Gordon, John W. Humke, Rex B. McCullough, and Ronald R. Sederoff. National Academy of Science Press. Washington, D.C. 144 p.

Cubbage, Frederick W., Jay O'Laughlin, and Charles S. Bullock III. 1993. Forest Resource Policy. John Wiley, Inc. New York. 562 p.

Refereed Journal Articles

Cubbage, Frederick, Patrice Harou, and Erin Sills. 2007. Policy instruments to enhance multi-functional forest management. *Forest Policy and Economics* 9:833-851.

Cubbage, Frederick, Patricio Mac Donagh, José Sawinski Júnior, Rafael Rubilar, Pablo Donoso, Arnaldo Ferreira, Vitor Hoeflich, Virginia Morales Olmos, Gustavo Ferreira, Gustavo Balmelli, Jacek Siry, Mirta Noemi Báez, and José Alvarez. 2007. Timber investment returns for selected plantation and native forests in South America and the Southern United States. *New Forests* 33(3):237-255.

Cubbage, Frederick W. and David H. Newman. 2006. Forest policy reformed: A United States perspective. *Forest Policy and Economics* 9(3):261-273.

Snider, Anthony G. and Frederick W. Cubbage. 2006. Economic analyses of wood chip mill expansion in North Carolina: Implications for nonindustrial private forest (NIPF) management. *Southern Journal of Applied Forestry* 30(2):102-108.

Cubbage, Frederick W., Jacek P. Siry, and Robert C. Abt. 2005. Fast-grown plantations, forest certification, and the U.S. South: Environmental benefits and economic sustainability. *New Zealand Journal of Forestry Science* 35(2:3)/266-289 (published in 2006).

Siry, Jacek. P., Frederick W. Cubbage, and Miyan Rukunuddin Ahmed. 2005. Sustainable forest management: Global trends and opportunities. *Journal of Forest Policy and Economics* 7(4):551-561.

Schaberg, Rex H., P.B. Aruna, Frederick W. Cubbage, George R. Hess, Robert C. Abt, Daniel D. Richter, Sarah T. Warren, James D. Gregory, Anthony G. Snider, Stacy Sherling, and William Flournoy. 2005. Economic and ecological impacts of wood chip production in North Carolina: An integrated assessment and subsequent applications. *Journal of Forest Policy and Economics* 7(2):157-174.

Potter, Kevin M., Frederick W. Cubbage, and Rex H. Schaberg. 2005. Multiple-scale landscape predictors of benthic macroinvertebrate community structure in North Carolina. *Landscape and Urban Planning* 71:77-90

Murthy, Aruna and Frederick W. Cubbage. 2004. An economic analysis of forest products and nature-based tourism sectors in North Carolina. *Southern Rural Sociology* 20(1):25-38.

Siry, Jacek P., Daniel J. Robison, and Frederick W. Cubbage. 2004. Economic returns model for silvicultural investments in young hardwood stands. *Southern Journal of Applied Forestry* 28(4):179-184.

Cubbage, Frederick W. 2004. Costs of forestry best management practices: A review. *Water, Air, and Soil Pollution: Focus* 4(1):131-142.

Pattanayak, Subhrendu K., Robert C. Abt, Allan J. Sommer, Fred Cubbage, Brian C. Murray, Jui-Chen Yang, David Wear, and SoEun Ahn. 2004. Forest forecasts: does individual heterogeneity matter for market and landscape outcomes? *Forest Policy and Economics* 6:243-260.

Potter, Kevin M., Frederick W. Cubbage, Gary B. Blank, and Rex H. Schaberg. 2004. A watershed scale model for predicting nonpoint pollution risk in North Carolina. *Environmental Management* 34(1):62-74.

Donoghue, Ellen M., Frederick W. Cubbage, and D. Evan Mercer. 2003. Contract NGOs in Community-Based Forest Management in the Philippines. *Journal of Sustainable Forestry* 17(4):47-73.

Cubbage, Frederick, Susan Moore, Joseph Cox, Larry Jervis, Judson Edeburn, Daniel Richter, Warren Boyette, Mike Thompson, and Michael Chesnutt. 2003. Forest Certification of State and University Lands in North Carolina. *Journal of Forestry* 101(8):26-31.

Ahmed, Miyan Rukunniddin, and Frederick W. Cubbage. 2003. Gender differences of participation in social forestry programmes in Bangladesh. *Forest, Trees and Livelihoods* 13:79-100.

Chhabra, Deepak, Erin Sills, and Frederick Cubbage. 2003. The significance of festivals to rural economies: estimating the economic impacts of Scottish Highland Games in North Carolina. *Journal of Travel Research* 41(4):421-427.

Dodrill, John D., Frederick W. Cubbage, Rex H. Schaberg, and Robert C. Abt. 2002. Wood chip mill harvest volume and area impacts in North Carolina. *Forest Products Journal* 52(11/12):29-37.

Moore, Roger L., Frederick Cubbage, and Jacek Siry. 2001. Forest recreation: challenges and

opportunities. *Korean Journal of Forest Recreation* 5(4):1-10, December.

Moffat, Steverson, and Frederick W. Cubbage. 2001. Forest certification and agenda setting. *Journal of Forest Policy and Economics* 2:307-318.

Siry, Jacek, Frederick W. Cubbage, and Andy Malmquist. 2001. Growth, yield and returns for southern pine forestry investments. *Forest Products Journal* 51(3):42-48.

Abt, Robert C., Frederick W. Cubbage, and Gerardo Pacheco. 2000. Southern forest resource assessment using the subregional timber supply (SRTS) model. *Forest Products Journal* 50(4):25-33.

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.

Peer-Reviewed Book Chapters

Cubbage, Frederick W., David N. Wear, and Zohra Bennadji. 2005. Economic prospects and policy framework of biotechnology in the southern USA and Latin America. In: *Landscapes, Genomics and Transgenic Conifers*. Claire Williams, Editor. Kluwer-Springer Press. p. 191-207.

Siry, Jacek P., Frederick W. Cubbage, and Miyan Rukunuddin Ahmed. 2003. Sustainable Forest Management: global trends and opportunities. XII World Forestry Congress. Quebec City, Canada. English, French, and Spanish. In: *Proceedings, XII World Forestry Congress*. In: *Actas del Congreso, C-Gente y Bosques en Armonia*. p. 291-299.

Siry, Jacek, and Frederick Cubbage. 2003. World forests: forest area, ownership, and management. Kluwer Academic Publishers. In: *Forests in a Market Economy*. Edited by Erin Sills and Karen Lee Abt. p. 9-21.

Cubbage, Frederick, Anthony Snider, Karen Lee Abt, and Robert Moulton. 2003. Nonindustrial private forests. In: *Forests in a Market Economy*. Kluwer Academic Publishers. Edited by Erin Sills and Karen Lee Abt. p. 23-38.

Siry, Jacek, Frederick W. Cubbage, and Erin O. Sills. 2003. Production economics: timber harvesting. In: *Forests in a Market Economy*. Kluwer Academic Publishers. Edited by Erin Sills and Karen Lee Abt. p. 59-76.

Moffat, Steverson O., Frederick W. Cubbage, Thomas P. Holmes, and Elizabethann O'Sullivan. 2003. Using issue network analysis to assess potential policy implications of sustainable forest management in the United States. In: *Forest Policy for Private Forestry: Global and Regional Challenges*. Edited by: Lawrence Teeter, Benjamin Cashore, and Daowei Zhang. CABI Publishing. New York. p. 29-40.

Roise, Joseph P., Frederick W. Cubbage, Robert C. Abt, and Jacek P. Siry. 2000. Regulation of Timber Yield for Sustainable Management of Industrial Forest Plantations: Theory and Practice. In: Klaus van Gadow, Editor: *Sustainable Forest Management*. Elsevier. p. 217-255.