

# FOREST SECTOR MODELING CONFERENCE

**TOPIC** Forest Sector Modeling: State-of-the-Art and Future Challenges in an Expanding Global Marketplace

**DATES** November 17, 2008: Reception & Dinner  
November 18-19, 2008: Conference  
November 20, 2008: Field Trip

**LOCATION** University of Washington Botanic Gardens • Center for Urban Horticulture  
3501 NE 41st Street  
Seattle, Washington 98105 • USA

## AGENDA

### Monday, November 17

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1800 Reception | [Northwest Horticulture Society Hall](#)

1900 Dinner | [Northwest Horticulture Society Hall](#)

### Tuesday, November 18

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0700 Breakfast | [Northwest Horticulture Society Hall Section C](#)

0800 Welcome | [Northwest Horticulture Society Hall Sections A & B](#)  
**B. Bruce Bare** • *Dean*, University of Washington College of Forest Resources

0815 Keynote Speaker  
**Birger Solberg** • Norwegian University of Life Sciences

0900 Comments

0910 Region 1 | State-of-the-Art: Europe  
**Anne Toppinen** • University of Helsinki

0940 Region 2 | State-of-the-Art: Asia  
**Hiroyasu Oka** • Forestry and Forest Products Research Institute

1010 Comments

1020 Break

1050 Region 3 | State-of-the-Art: Southern Hemisphere  
**James Turner** • New Zealand Forest Research Institute

1120 Region 4 | State-of-the-Art: North America  
**David Wear** • USDA Forest Service Southern Research Center

1150 Comments

1200 Lunch | [Northwest Horticulture Society Hall Section C](#)

1330 CONCURRENT SESSIONS 1A

Using Models for Policy I | [Northwest Horticulture Society Hall Section A](#)

*Profit Persistence in Globalising Forest Industry: Econometric Analysis with Panel Data*

**Susanna Laaksonen-Craig** • British Columbia Ministry of Forests and Range

*The North American Softwood Lumber Sector: Market Modeling and Policy Analysis*

**Runsheng Yin** • Michigan State University

*Foreign Direct Investment Outflows in Forest Industry: The Case of Importing and Exporting Countries*

**Daowei Zhang** • Auburn University

Bioenergy I | [Northwest Horticulture Society Hall Section B](#)

*Possible Reductions of Greenhouse Gas Emissions by the Use of Wood Fuels in Norway*

**Hanne Sjølie** • Norwegian University of Life Sciences

*Energy vs. Material: Modeling Alternative Uses of Wood to Assess Economic Impacts*

**Peter Schwarzbauer** • University of Natural Resources and Applied Life Sciences

*Effects of Expanded Wood-Based Bioenergy Production on Forest Markets in the U.S. South*

**Robert Abt** • North Carolina State University

Land Use in Forest Sector Modeling | [Isaacson Classroom](#)

*The European Forest and Agricultural Sector Optimization Model - EUFASOM*

**Uwe Schneider** • Hamburg University

*Development and Application of An Integrated Forest and Agricultural Sector Model For Use in Policy Analysis for Greenhouse Gas (GHG) Mitigation and Adaptation: Lessons Learned and Future Opportunities*

**Ralph Alig** • USDA Forest Service Pacific Northwest Research Station

*The Impact of Second Generation Biofuels on the Global Forest and Land-use Sectors*

**Uwe Schneider** • Hamburg University

1500 Break

1530 CONCURRENT SESSIONS 1B

Models Measuring Impacts on Forest Land | Northwest Horticulture Society  
Hall Section A

*Impact Analysis of Endangered Species Act on Stock Market Return in US Companies*

**Xianchun Liao** • Mississippi State University

*Integrating Non-Timber Values into Market-Based Forest Valuation Models*

**Bret Vicary** • James W. Sewall Company

*Modeling the Impact of Carbon Trading Legislation on New Zealand's Plantation Estate*

**Bruce Manley** • University of Canterbury

Bioenergy II | Northwest Horticulture Society Hall Section B

*Increased Use of Bioenergy: Impacts and Opportunities for the Norwegian Forest Sector*

**Erik Trømborg** • Norwegian University of Life Sciences

*Incorporating Wood-Based Bio-Energy Models into FSMs*

**Larry Mason** • University of Washington College of Forest Resources

*Economy-wide Impact Analysis of Policies to Promote Forest Biomass and Bioenergy in Florida*

**Ming-Yuan Huang** • University of Florida

1700 Adjourn

Wednesday, November 19

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0700 Breakfast | [Northwest Horticulture Society Hall Section C](#)

0800 Housekeeping Comments | [Northwest Horticulture Society Hall Section A](#)

0830 CONCURRENT SESSIONS 2A

Using Models for Policy III | [Northwest Horticulture Society Hall Section A](#)

*An Economic Analysis of Mountain Pine Beetle Impacts in a Global Context*

**G. Cornelis van Kooten** • University of Victoria

*Agent-based Forest Sector Modeling for Investment and Policy Decisions Following Natural Disturbances*

**Olaf Schwab** • University of British Columbia, Department of Forestry

*Simulation Analyses of the Japanese Wood Market*

**Satoshi Tachibana** • Forestry and Forest Products Research Institute

Elasticities in Models | [Northwest Horticulture Society Hall Section B](#)

*Derived Long-Run and Short-Run Relation of a Lumber Market*

**Nianfu Song** • Louisiana State University

*Integration of Disaggregated Elasticity Estimates into the SubRegional Timber Supply Model*

**Jui-Chen Yang** • RTI International

*Modeling Pine Pulpwood Supply and Demand in the US South: A Structural and Non-structural Approach*

**Xianchun Liao** • Mississippi State University

Trade and Globalization | [Northwest Horticulture Society Hall Section C](#)

*The Impacts of Increasing Russian Roundwood Export Tariffs on the Forest Sector Markets*

**Anne Toppinen** • University of Helsinki

*Development of a Conceptual Model of International Marketing Strategies and its Application in the Brazilian Pulp and Paper Sector*

**João Carlos Garzel Leodoro da Silva** • Universidade Federal do Parana

*Impact of Anti-Dumping Policy on Wooden Bedroom Furniture Imports from China*

**Changyou Sun** • Mississippi State University

1000 Break

Using Models for Policy IV | Northwest Horticulture Society Hall Section A

*Scenario Analysis of the Impact of Potential Measures to Prevent Import of Illegal Wood and Wood Products*

**Alexander Moiseyev** • European Forest Institute

*Modeling the Implications of Illegal Logging for the New Zealand Forest Sector*

**James Turner** • New Zealand Forest Research Institute

*European Scale Forest Resource Modeling at High Resolution Based on Inventory Data*

**Gert-Jan Nabuurs** • Alterra, Wageningen University

Forest Sector Models I: Carbon Accounting | Northwest Horticulture Society  
Hall Section B

*Carbon Taxes, Carbon Accounting and Forest Biomass Burning for Power Generation in British Columbia*

**Kurt Niquidet** • University of Victoria, REPA Research Group

*Assessing Potential Carbon Sequestration-Harvest Trade-offs With a Dynamic Regional Market Model of Public and Private Timberlands in Western Oregon*

**Darius Adams** • Oregon State University

*The Implications for the Timber Sector of US Biofuel Mandates*

**Roger Sedjo** • Resources for the Future

Forest Sector Models II | Northwest Horticulture Society Hall Section C

*Wood Use Increase in Construction Sector; Market, Forest Management and Climatic Impacts - Towards an Integrated Modeling Framework*

**Henna Lyhykäinen** • University of Helsinki

*The U.S. Forest Assessment System: Modeling and Forecasting the Forest Sector in the United States*

**David Wear** • USDA Forest Service Southern Research Center

1200 Lunch

1330 CONCURRENT SESSIONS 3

Modeling Impacts of Climate Change | [Northwest Horticulture Society Hall Section A](#)

*Consequences of Climate Change for the Global Forest Sector*

**Joseph Buongiorno** • University of Wisconsin

*Finnish Forest Sector Model: Analyzing Bioenergy and Climate Policy Implications*

**Lauri Hetemäki** • Finnish Forest Research Institute

*Potential Forest Sector Impacts of Climate Change on Douglas-fir Forests of the United States Pacific Northwest*

**Gregory Latta** • Oregon State University

Forest Sector Models III | [Northwest Horticulture Society Hall Section B](#)

*Structure of New U.S. Forest Products Module (USFPM) in GFPM*

**Andrew Kramp** • USDA Forest Service Forest Products Laboratory

*Accounting for Uncertainty in a Forest Sector Model using Monte Carlo Simulation*

**Maarit Kallio** • Finnish Forest Research Institute

*Modeling and Projections of Forest Resources in Japan*

**Hirofumi Kuboyama** • Forestry and Forest Research Institute

1500 Break

1530 Concluding Panel  
Contemporary Directions for Forest Sector Modeling by Rapporteurs

1630 Adjourn

Thursday, November 20

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0700 Field Trip | [Meet at Center for Urban Horticulture](#)

1700 Return