

JUHA SIIKAMÄKI

Resources for the Future
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EDUCATION

Ph.D., University of California at Davis, Environmental Policy Analysis (economics, ecology)	2001
M. S., University of California at Davis, Agricultural and Resource Economics	1998
M. S. and B.S., University of Helsinki, Agricultural Economics and Policy (agricultural economics, forest economics, economics)	1995

PROFESSIONAL POSITIONS

Resources for the Future	
Senior Fellow	2014-present
Associate Research Director	2012-present
Fellow	2004-2014
Triangle Economic Research, Senior Economist	2002-2004
University of California at Davis, Dept of Agricultural and Resource Economics	
Assistant Project Manager	2001-2002
Agricultural Economics Research Institute, Helsinki, Researcher	1998-2000 1994-1996

PROFESSIONAL AFFILIATIONS

Treasurer, Association of Environmental and Resource Economics (AERE)	2009-2013
Research Associate, Mistra Indigo Program (Instrument Design for Global Climate Mitigation), Sweden	2013-present
Research Associate, Environment for Development Initiative University of Gothenburg	2012-present
Member, Resource Committee, Sustainable Forestry Initiative	2008-2014

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Advisor, Economic Research Forum, Cairo, Egypt 2008-2012

Visiting Lecturer, University of Helsinki, Department of Economics,
Faculty of Agriculture and Forestry 1998-1999

PUBLICATIONS

Journal Articles

Nudging Energy Efficiency Behavior: The Role of Information Labels, Newell, R. G. and J. Siikamäki, *Journal of the Association of Environmental and Resource Economists*, forthcoming.

A Global Predictive Model of Carbon in Mangrove Soils, S. Jardine and J. Siikamäki, *Environmental Research Letters*, forthcoming.

Post-Reform Forest Land Markets in China, with J. Xu, Y. Ji, *Land Economics*, forthcoming.

Conservation Planning: A Review of Return of Investment Analysis, Boyd, J., R. Epanchin-Niell, and J. Siikamäki, *Review of Environmental Economics and Policy*, forthcoming.

Finding Sensitivity to Scope in Nonmarket Valuation, Siikamäki, J. and D. Larson, *Journal of Applied Econometrics* 2013 (Article first published online: 9 OCT 2013, DOI: 10.1002/jae.2357, in press).

Do alcohol taxes in Europe and the US rightly correct for externalities? Parry, I., E. Herrnstadt, and J. Siikamäki, *International Tax and Public Finance*, September 2013.

Blue Carbon: Coastal Ecosystems, Their Carbon Storage, and Potential for Reducing Emissions, Siikamäki, J., J. Sanchirico, S. Jardine, D. McLaughlin, and D. Morris, *Environment* 55: 6(November/December) 2013.

Global economic potential for reducing carbon dioxide emissions from mangrove loss, Siikamäki, J., J. N. Sanchirico, S. L. Jardine, *Proceedings of the National Academy of Sciences*, 2012, Volume 109 (36): 14369-14374.

Potential Biodiversity Benefits from International Programs to Reduce Carbon Emissions from Deforestation, Siikamäki J. and S. Newbold, *Ambio*, 2012, Volume 41 (1): 78-89.

Contributions of the US State Park System to Nature Recreation, Siikamäki, J., *Proceedings of the National Academy of Sciences*, 2011, Volume 108 (34): 14031-14036.

Prioritizing Conservation Activities Using Reserve Site Selection Methods and Population Viability Analysis, Newbold, S. C. and J. Siikamäki, *Ecological Applications*, 2009, 19(7): 1774-1790.

Payments for Ecosystem Services Programs: Predicting Landowners' Enrollment and Opportunity Cost Using a Beta-Binomial Model, Layton, D. F. and J. Siikamäki, *Environmental and Resource Economics*, 2009, 44(3): 415-439.

Climate Change and U.S. Agriculture: Examining the Connections, Siikamäki, J., *Environment*, 2008,

50(4): 36-49.

Air Emissions from Livestock Operations: Valuation and Options for Policy, Shih, J-S., D. Burtraw, K. Palmer, and J. Siikamäki, *Journal of Air and Waste Management Association*, 2008, 58: 1117-1129.

Turning Brownfields into Greenspaces and Active Community Assets: Incentives and Barriers to Revitalization, Siikamäki, J. and K. Wernstedt, *Journal of Health Politics, Policy, and Law*, 2008, 33(3): 559-593.

Discrete Choice Survey Experiments: A Comparison Using Flexible Methods, Siikamäki, J. and D. F. Layton, *Journal of Environmental Economics and Management*, 2007, 53(1): 122-139.

Potential Cost-Effectiveness of Incentive Payment Programs for the Protection of Non-Industrial Private Forests, Siikamäki, J. and D. F. Layton, *Land Economics*, 2007, 83 (4): 539-560.

Consumer Attitudes, Underlying Perceptions and Actions Associated with Food Quality and Safety, Aakkula, J., J. Peltola, R. Majjala, and J. Siikamäki, *Journal of Food Product Marketing* 2005: 11(3):67-87.

Books and Book Chapters (peer reviewed)

Biodiversity Conservation in Latin America and the Caribbean: Prioritizing Policies, a book by Blackman, A., R. Epachin-Niell, D. Velez-Lopez, J. Siikamäki, RFF Press. ISBN-13: 978-0415730969. Publication date July 7, 2014.

Conservation Prioritization using Reserve Site Selection Methods, Newbold, S. C. and J. Siikamäki, forthcoming chapter in *Handbook on the Economics of Natural Resources* (eds. R. Halvorsen and D. Layton), Edgar Elgar Publishing.

The Challenge of Ecosystems and Biodiversity: Alternative Perspective, Siikamäki J, a chapter in B. Lomborg (ed.), *Copenhagen Consensus: Solving the World's Challenges*, Cambridge University Press, 2013, pp. 114-123.

Forests, Biodiversity and Avoided Deforestation in the Latin America, Sedjo, R. and J. Siikamäki, a chapter in *Latin American Development Priorities* (ed. B. Lomborg), Cambridge University Press, 2009, pages 163-226.

Valuing Benefits from Ecosystem Improvements using Stated Preference Methods: An Example from Reducing Acidification in the Adirondacks Park, Evans, D. H. S. Banzhaf, D. Burtraw, A. Krupnick and J. Siikamäki, a chapter in *Saving Biological Diversity: Balancing Protection of Endangered species and Ecosystems*, edited by R. A. Askins, G. D. Dreyer, G. R. Visgilio, Springer, 2008.

Biodiversity in the United States, Siikamäki J. and J. Chow, a chapter in *Perspectives on Sustainable Resources in America*, R. Sedjo (ed.), RFF Press, July 2008. pp. 175-233.

Environmental Benefits from Finnish Agriculture, Pirttijärvi, R., J. Siikamäki, J. Aakkula, and J. Sumelius. A chapter in *Environmental Benefits from Agriculture: Country Case Studies*, pp. 43-55,

OECD, 1997.

Journal Articles In Preparation

Siikamäki, J. and A. Krupnick, Information and the Willingness to Pay for Reducing Shale Gas Risks, manuscript.

Boone, C., W. Schlenker, and J. Siikamäki, ‘Reductions in Peak Hourly Ozone Pollution Explain Half of the Observed Increase in US Corn Yields 1993-2011,’ manuscript.

Banzhaf, H. S., D. Burtraw, S. Chung, D. Evans, A. Krupnick, J. Siikamäki, ‘Valuation of Ecosystem Services in the Southern Appalachian Mountains,’ manuscript.

Siikamäki, J. and S. C. Newbold, ‘Priorities for Global Biodiversity Conservation and International Programs to Reduce Carbon Emissions from Deforestation,’ under preparation.

Siikamäki, J., ‘Physical Activity and Public Health Benefits Associated with Access to Nature,’ under preparation.

Siikamäki, J. and D. F. Layton, ‘Optimal Biological Conservation: Balancing Marginal Costs and Benefits of Protecting Endangered Habitat,’ a manuscript.

‘Can Internet Surveys for Determining Willingness to Pay be Trusted?’ with Alan Krupnick, Dallas Burtraw, Trudy Cameron, Spencer Banzhaf, David Evans, under preparation.

‘Valuation of Ecological Responses to Acidification and Techniques for Transferring Estimates’, under preparation.

‘Valuing Benefits from Anti-Smoking Laws as Local Amenities,’ with R. Laxminarayan and S. Magnuson, under preparation.

Major Reports

Improving the Forest Database to Support Sustainable Forest Management: A Scoping Study Final Report. Juha Siikamäki and Francisco Santiago-Ávila. PROFOR (Program on Forests), the World Bank, Final Report, June 2014.

[Managing the Risks of Shale Gas: Key Findings and Further Research](#), Alan Krupnick, with S. Anisfeld, Z. Chu, H. Gordon, M. Gottlieb, L. Muehlenbachs, S. Olmstead, N. Richardson, J. Saiers, J-S Shih, J. Siikamäki, E. Spiller, C. Timmins, and H. Wiseman, RFF Report, May 2013.

Siikamäki, J., J. Sanchirico, S. Jardine, D. McLaughlin, and D. Morris, [Blue Carbon: Global Options for Reducing Emissions from the Degradation and Development of Coastal Ecosystems](#), RFF Report, November 2012, 84 pages.

Walls, M., S. Darley, and J. Siikamäki, [The State of the Great Outdoors: America’s Parks, Public Lands, and Recreation Resources](#), September 2009, RFF Report, 97 pages.

Greaver T., et al. [Integrated Science Assessment for Oxides of Nitrogen and Sulfur – Ecological](#)

[Criteria](#), U.S. EPA Report EPA/600/R-08/082F, December 2008, 898 pages.

Resources Articles, Short Articles

Krupnick A. and J. Siikamäki, 'Would You Pay to Reduce Risks from Shale Gas Development? Public Attitudes in Pennsylvania and Texas,' *Resources* 185:38-43. 2014.

Siikamäki, J. 'Will Biotech help Bring Back the American Chestnut,' *Resources*, Winter 2013.

Siikamäki, J. 'Towards better decisions by valuing the environment,' invited guest editorial in *Water Economics*-magazine (Ympäristötalous-magazine), Finnish Environment Institute, 1/2013

Siikamäki J. and J. Sanchirico 'Blue Carbon: A Potentially Winning Climate Strategy,' *Resources*, 2012 (181).

Xu, J. and J. Siikamäki, 'Forest Tenure Reform in China,' *Resources*, Summer 2012.

Siikamäki, J. 'State Parks: Assessing Their Benefits,' *Resources*, Winter 2011.

Walls, M. and J. Siikamäki. 'Connecting Americans to the Great Outdoors,' *Resources*, Summer 2010.

Siikamäki, J. 'Biodiversity: What it Means, How it Works, and What the Current Issues Are,' *Resources*, Spring 2008.

Sanchirico, J. N. and J. Siikamäki, 'Natural Resource Economics and Policy in the 21st Century: Conservation of Ecosystem Services,' *Resources*, Spring 2007.

Krupnick, A. and J. Siikamäki, 'How People Value What Nature Provides,' *Resources: Spring 2007*.

Siikamäki, J. and S. C. Newbold 'Prioritizing Investments for Improved Biodiversity Conservation Outcomes,' *RFF Policy Commentary*, June 12, 2009.

Mische John, A., D. Burtraw, D. A. Evans, H. S. Banzhaf, A. J. Krupnick, J. Siikamäki 'An Update on the Science of Acidification in the Adirondack Park,' *RFF Discussion Paper* 08-11, May 2008.

Wernstedt K. and J. Siikamäki, 'Active Living Through Converting Brownfields to Greenspace,' *Planning Magazine*, February 2007, Vol.73, No. 2.

Mäntymaa, E., M. Mönkkönen, R. Svento, and J. Siikamäki. "Estimating the Demand for Biodiversity – Vagueness Band and Open Questions." In *Proceedings: Risk and Uncertainty in Environmental and Resource Economics*, Ierland, Weikard, and Wesseler (eds), Wageningen University, Netherlands, 2002.

Peltola, J., J. Aakkula, R. Maijala, and J. Siikamäki. "Valuation of Economic Benefits from the Finnish Salmonella Control Program." Agricultural Economics Research Institute, Helsinki, Research Reports 30/2001 p. 5-22. (2001).

Siikamäki, J. "Value of Decreased Use of Pesticides? A Contingent Valuation Study on Consumers' Willingness to Pay?" Agricultural Economics Research Institute, Helsinki, Research Reports 217, 1997.

Siikamäki, J. "Finnish Agro-Environmental Program in Practice - Participation and Farm-level Impacts." In Kettunen, L. (ed.): *First experiences of Finland in the CAP*. Agricultural Economics Research Institute, Helsinki, publication 81, 1996.

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Siikamäki, J. “The Contents and Functioning of the Finnish Agro-Environmental Scheme.” In Finnish in “Current environmental economic issues in agriculture,” pages 7-35. Agricultural Economics Research Institute, Helsinki, Research Reports 216, 1996.

Issue Briefs, Other Reports

Siikamäki, J. and F. Santiago-Ávila. Improving the Forests Database to Support Sustainable Forest Management: Scoping Study Final Report. Report to the World Bank. 65 pages. April 2014.

Siikamäki, J., D. Burtraw, J. Maher, and C. Munnings, ‘The US Environmental Protection Agency’s Acid Rain Program,’ *RFF Backgrounder*, November 2012

Siikamäki, J., C. Munnings, and J. Ferris, ‘Competitiveness Impacts of Climate Policy,’ *RFF Backgrounder*, November 2012

Siikamäki, J., C. Munnings, J. Ferris, and D. Morris, ‘Climate Policy, International Trade, and Emissions Leakage,’ *RFF Backgrounder*, November 2012

Siikamäki, J., C. Munnings, and J. Ferris, ‘The European Union Emissions Trading System,’ *RFF Backgrounder*, November 2012

Siikamäki, J., C. Munnings, and J. Ferris, ‘Land Use, Land-Use Change, and Forestry Offsets,’ *RFF Backgrounder*, November 2012

Siikamäki, J., C. Munnings, and J. Ferris, ‘Kyoto Flexibility Mechanisms: Clean Development Mechanism and Joint Implementation,’ *RFF Backgrounder*, November 2012

Ferris, J. and J. Siikamäki, ‘Conservation Reserve Program and Wetland Reserve Program: Primary Land Retirement Programs for Promoting Farmland Conservation,’ *RFF Backgrounder*, August 2009

Walls, M., J. Siikamäki, S. R. Darley, J. Ferris, and J. Maher, ‘Current Challenges, Funding, and Popularity Trends in Local Parks and Recreation Areas: Responses to a Survey of Park Directors,’ *RFF Backgrounder*, March 2009.

Walls, M., J. Siikamäki, S. R. Darley, J. Ferris, and J. Maher, ‘Current Challenges, Funding, and Popularity Trends in State Parks: Responses to a Survey of Park Directors,’ *RFF Backgrounder*, March 2009.

SELECTED RECENT RESEARCH GRANTS

‘Improving the Forests Database to Support Sustainable Management,’ principal investigator, funded by the World Bank 2013 (\$54K).

‘Establishment of the Priority Establishment of Priority Ecosystems for the Biodiversity and Ecosystem Services Initiative,’ principal investigator, funded by Inter-American Development Bank, 2013-2014 (\$419K).

‘Using Earth Observation Data to Improve REDD+ Policy in Mesoamerica and the Dominican Republic,’ with Allen Blackman, funded by National Aeronautics and Space Administration (NASA), Servir Program, 2012-2015. (\$990,998).

‘Evaluating the Economics of Blue Carbon,’ principal investigator, with Jim Sanchirico, funded by the Linden Trust for Conservation; Victoria and Roger Sant, 2012. (\$100K)

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“Prioritizing Policies for Biodiversity Conservation in Latin America and the Caribbean,” with Allen Blackman and Becky Epanchin-Niell. 2012.

‘Regulating Risks from Shale Gas Development’, with Alan Krupnick, Sheila Olmsted, and others, funded by Sloan Foundation.

‘The Coming U.S. Carbon Market: Planning for Ex Post Analysis,’ 2009-2010, Sloan Foundation.

‘Forest Carbon and Global Biodiversity: Systematic Assessment of Investment and Conservation Priorities,’ 2009-2010, funded by Swedish Foundation for Strategic Environmental Research (Mistra), Climate Policy Research Program (Clipore).

‘Outdoor Recreation Review Group--Background Study,’ with Margaret Walls, 2008-2009, funded by Conservation Fund.

‘Can Internet Surveys for Determining Willingness to Pay be Trusted?’ with Alan Krupnick, Trudy Ann Cameron, Spencer Banzhaf, David Evans. Funded by NSF and US EPA STAR, 2008-2012.

‘A Conceptual and Empirical Framework for Analyzing Information Disclosure Programs,’ with Richard Newell and Ian Parry. Funded by US EPA STAR 2008-2011.

‘An Economic Assessment of the Environmental Effects of NO_x and SO_x,’ co-principal investigator with Alan Krupnick. Funded by US EPA, 2008-09. (\$80,000).

‘Valuation of Regional Ecological Response to Acidification and Techniques for Transferring Estimates,’ with Alan Krupnick, Dallas Burtraw, Spencer Banzhaf, David Evans. Funded by US EPA STAR, 2008-2012.

SELECTED RECENT PRESENTATIONS (2008-)

Factors Driving Post Reform Forestland Markets in China: Estimating Supply and Demand Using Choice Experiments, Fifth World Congress of Environmental and Resource Economists, Istanbul Turkey, July 1, 2014.

Collective Forest Tenure Reform in China, Fifth World Congress of Environmental and Resource Economists, Istanbul, Turkey, July 1, 2014.

Information and Willingness to Pay for Reducing Shale Gas Risks, Fifth World Congress of Environmental and Resource Economists, Istanbul Turkey, July 1, 2014.

Nudging Energy Efficiency Behavior: the Role of Information Labels. Invited seminar. Bureau of Economics, U.S. Federal Trade Commission. April 23, 2014.

Blue Carbon: Potential for Carbon Offsets to Support Coastal Ecosystem Conservation, invited seminar, Consultative Group on Biological Diversity, Marine Program Annual Meeting, Salem, MA, April 3, 2014.

Improving the Forests Database to Support Sustainable Forest Management, World Bank, January 8, 2014.

Systematic Conservation Prioritization, invited seminar, USDA Economic Research Service, Washington DC, December 16, 2013.

The Shale Gas Debate: Information, Public Attitudes and Willingness to Pay to Reduce Risks Alan Krupnick and Juha Siikamäki, RFF Webinar, Resources for the Future, December 16, 2013

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The Shale Gas Debate: How Industry and Environmental Messages Stack Up, RFF Capitol Hill Seminar, December 6, 2013.

Systematic Conservation, Juha Siikamäki, Keynote address, Environment for Development Initiative Seventh Annual Conference, Cape Town, South Africa, October 27, 2013.

Factors Driving Post-Reform Forest Land Markets in China, Juha Siikamäki, Yongjie Ji, Jintao Xu, Environment for Development Initiative Seventh Annual Conference, Cape Town, South Africa, October 26, 2013.

Public's Attitudes and the Willingness to Pay to Reduce Shale Gas Risks Survey Results from Pennsylvania and Texas, Juha Siikamäki, Managing the Risks of Shale Gas Development June 27, 2013. Also presented at RFF Research Program Committee, Resources for the Future, Washington DC, October 17, 2013.

Willingness to Pay to Reduce Environmental Risks of Shale Gas Development, Juha Siikamäki and Alan J Krupnick, Third Annual Conference of the Association of Environmental and Resource Economics, Banff, Canada, June 7, 2013.

Global Potential for REDD Programs to Protect Biodiversity, J. Siikamäki and S. Newbold, American Association for the Advancement of Science, Washington D.C., April 23, 2013.

Factors Driving Post-Reform Forest Land Markets in China, Juha Siikamäki, Jintao Xu, Yongjie Ji, Klaus Deininger, Annual Conference on Land and Poverty, World Bank, Washington D.C., April 9, 2013.

Economics of Biodiversity and Ecosystem Services, Juha Siikamäki, Inter-American Development Bank, Biodiversity and Ecosystem Services Seminar, April 5, 2013,

Nudging Energy Efficiency Behavior: The Role of Information Labels, Richard G. Newell and Juha Siikamäki, Allied Social Science Associations (ASSA) Annual Meeting, Association of Environmental and Resource Economists, San Diego, CA, January 5, 2013.

Reduction in Peak Hourly Ozone Levels Explain Half of the Observed Trends in US Corn Yields 1993-2011, Christopher Boone, Wolfram Schlenker, and Juha Siikamäki, Allied Social Science Associations (ASSA) Annual Meeting, Association of Environmental and Resource Economists, San Diego, CA, January 4, 2013.

Global Potential for REDD Programs to Protect Biodiversity, Juha Siikamäki and Stephen C. Newbold, The Sixth Annual Conference of the Environment for Development Initiative, CATIE & Environment for Development, Arenal Manoa, Costa Rica, September 27, 2012.

Economic value of water and determining compensatory fees for water use and wastewater discharges in Peru: a discussion, Juha Siikamäki, workshop "Methodology for determining the economic value of water and compensatory fees for water use and wastewater discharges," Inter-American Development Bank, Washington DC, July 9, 2012.

Evaluating Global Potential for REDD Programs to Protect Biodiversity, Juha Siikamäki and Stephen C. Newbold, AERE 2nd Annual Summer Conference Asheville, June 4, 2012

Energy efficiency behavior: The role of information, purchase cost, and individual discount rates, Richard Newell and Juha Siikamäki, AERE 2nd Annual Summer Conference Asheville, June 4, 2012. Also presented at D-CIDES Conference: Decision Making across the Disciplines, May 18, 2012, Duke University, Durham, North Carolina.

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Forest Tenure Reform, Economic Recession and Farmer Household Labor Re-location Decision, Jintao Xu, Klaus Deininger, Juha Siikamäki and Yongjie Ji, Annual World Bank Conference on Land and Poverty, April 24, 2012.

Blue Carbon: Global Options for Reducing Emissions from the Development of Coastal Ecosystems, 5th Annual Meeting of Environment for Development Initiative, Arusha, Tanzania, October 30, 2011. Also presented at Resources for the Future, September 27, 2011, and at RFF New York Seminar, June 2, 2011.

Measuring Nature Recreation Services from the US State Park System, Juha Siikamäki, Resources for the Future, Washington DC, July 20, 2011

Evaluating Alternative Approaches to Energy Efficiency Labeling Using a Choice Experiment, *Benefits of Environmental Information Disclosure*-workshop, National Center for Environmental Economics, US EPA, January 18, 2011.

Reduced Carbon Emissions from Deforestation and Biodiversity Conservation: A Global Assessment of Tradeoffs and Synergies, Peking University, College of Environmental Science and Engineering, November 18, 2010.

Changing Status of Nature Recreation: New Evidence from Time Use Data on the Role of Access to Nature, *4th World Congress of Environmental and Resource Economists*, July 1, 2010, Montreal, Canada.

The Coming US Carbon Market: Preparing for the Ex Post Assessments, *American Statistical Association Committee on Energy Statistics with the Energy Information Administration (EIA)*, April 29, 2010.

Use of Time for Recreation in the United States, 1965-2007, *Annual Conference of W2133: Benefits and Costs of Natural Resources Policies Affecting Public and Private Lands*, Tucson, Arizona, February 25, 2010.

Payments for Ecosystem Services Programs: Predicting Landowners' Enrollment and Opportunity Cost, *Environment for Development Annual Conference, Lake Naivasha, Kenya*, November 5, 2009.

Valuing Nature: Benefits, Costs and Cost Effectiveness, Conference 'Economic Valuation of the Ecosystem Services', *University of Chicago, Program on the Global Environment*, May 29, 2009.

Integrating Economics and Ecology in Biological Conservation Decisions: Basic Concepts and Two Empirical Applications, invited seminar, *Hanover Seminar Series, Department of Forestry, Michigan State University*, East Lansing Michigan, April 14, 2009.

Incorporating Economics into Biological Conservation Decisions, invited seminar, *Centennial Speaker Series 'UC Davis – Global Leader in Environmental Sciences: Integrating Biophysical Sciences with Ecology and Policy'*, UC Davis, March 11, 2009.

Ecosystem Evaluation and Payment - Conference Summary and Closing Discussion, Juha Siikamäki, *International Symposium on Ecosystem Services Evaluation and Payment, Yangling, China*, October 27, 2008.

Potential Cost-effectiveness of PES-programs for Biological Conservation with an Application to Non-industrial Private Forests, invited presentation, an *International Symposium on Ecosystem Services Evaluation and Payment, Yangling, China*, October 26, 2008.

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Reduced Emissions from Deforestation and Degradation (REDD), *Fifth European Climate Platform Meeting: The Financial Architecture for the Post-2012 Period*, CEPS, Brussels, September 30, 2008.

Cost-Effective Species Conservation with an Application to Pacific Salmon, Juha Siikamäki and Stephen Newbold, *European Association of Environmental and Resource Economists, Annual Conference, Gothenburg, Sweden*, June 26, 2008.

Reducing Carbon Emissions from Deforestation: Overall Potential, Possible Policy Mechanisms, and Issues to be Resolved, Juha Siikamäki, *Critical Aspects of the Post 2012 EU Climate Policy*, Gothenburg, Sweden, June 25, 2008.

PROFESSIONAL SERVICE AND REQUESTS

Ph.D. dissertations

- Dissertation opponent: Rabin Neslo, Department of Applied Mathematics, Delft University, Netherlands, 2011.
- Dissertation pre-examiner: Anna-Kaisa Kosenius, Department of Economics and Management, University of Helsinki, Finland, 2009-10.
- Dissertation pre-examiner: Jouni Kaipainen, Department of Economics, University of Jyväskylä, Finland 2009-2013.

Journal manuscripts reviews

- *Agriculture, Ecosystems and Environment*
- *Conservation Biology*
- *Conservation Letters*
- *Ecological Economics*
- *Economic Inquiry*
- *Environmental and Resource Economics*
- *Environment, Development and Sustainability*
- *Forest Science*
- *Journal of the Association of Environmental and Resource Economists*
- *Journal of Benefit Cost Assessment*
- *Journal of Environmental Economics and Management*
- *Journal of Forestry*
- *Journal of Forest Economics*
- *Journal of Water and Soil Conservation*
- *Land Economics*
- *Resource and Energy Economics*
- *Review of Environmental Economics and Policy*
- *Transportation Research Part B*

Proposal reviews

- *California Energy Commission*
- *California Coastal Commission*
- *Environment for Development Initiative (University of Gothenburg)*

JUHA SIIKAMÄKI (continued)

- *Economic Research Forum (Cairo, Egypt; around 30 research proposal and report reviews)*
- *Latin American and Caribbean Environmental Economics Program*
- *NSF (US National Science Foundation)*
- *Swedish Development Agency.*

SELECTED ADVISORY PANELS, REQUESTS FOR EXPERTISE

Association of Environmental and Resource Economics (AERE), Annual Conference 2011, 2012, 2013, program committee member.

World Congress of Environmental and Resource Economics, program committee member, 2010 (Montreal), 2014 (Istanbul).

Inter-American Development Bank, presenter and expert panel member, "Biodiversity and Ecosystem Services" seminar, Washington DC April 5, 2013.

Inter-American Development Bank, external reviewer, "Methodology for determining the economic value of water and compensatory fees for water use and wastewater discharges in Peru", July 12, 2012.

Economic Research Forum (ERF), Cairo, Egypt. Reviews of approximately 30 research proposals and projects in the MENA region, under research network projects *Environmental Challenges to the MENA Region (2009-2011)* and *Environmental Challenges in the Arab World: Toward an Economic Research Agenda for ERF (2011-current)*.

Member, Advisory Panel, Chicago Department of Environment Natural Resources and Water Quality Division, Ecostructure Incentive Program, 2010-2011.

National Oceanic and Atmospheric Administration, invited external expert, Ecosystem Research Science Challenge Workshop, November 29-December 1, 2011.

'Ecological Benefits Valuation Workshop for the Steam Electric Power Generation Effluent Limitations Guidelines,' expert panel member, U.S. EPA, September 9, 2010.

'Economic Valuation of Cockpit Country Ecosystem Services in Jamaica,' Windsor Research Centre, funded by MacArthur Foundation. May 2008, advisor.

'Dimensión Económica de los Impactos Ambientales del Muro Fronterizo entre Estados Unidos y México', panel member and advisor, valuation of the ecological impacts of the proposed US-Mexico border fence. Ciudad Juarez, Mexico, November 2008. National Institute of Ecology (INE) of Mexico and COLEF (El Colegio de la Frontera Norte).

Latin American and Caribbean Environmental Economics Program (LACEEP). Resource person to support and mentor LACEEP grantees (Latin American Ph.D. students). Funded by the Swedish Development Agency. 2007-08.

JUHA SIIKAMÄKI (continued)