

JEFFREY ROBERT VINCENT

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Personal

Citizen of the United States
Born June 27, 1959, in Millbury, Ohio
Married, with two children

Education

Ph.D., School of Forestry & Environmental Studies, Yale University, 1988
(Dissertation: *Optimal Tariffs on Resource-Based Intermediate and Final Goods*)

M.S., Forestry, Michigan State University, 1984

A.B., Social Anthropology (*cum laude*), Harvard University, 1981

Employment

Since 2007 *Clarence F. Korstian Professor of Forest Economics and Management*, Nicholas School of the Environment and Earth Sciences, Duke University.

Since 2001 *Professor*, Graduate School of International Relations & Pacific Studies, University of California, San Diego
Associate Faculty, Department of Economics, University of California, San Diego
Environmental Research Director, Institute on Global Conflict and Cooperation, University of California

2000-2001 *Fellow*, Overseas Program Office, Harvard University
Research Fellow, Center for International Development, Harvard University

1995-2000 *Fellow of the Institute*, Harvard Institute for International Development
Lecturer, Department of Economics, Harvard University

Jeffrey Robert Vincent (October 26, 2007)

- Adjunct Lecturer*, Kennedy School of Government, Harvard University
- Fall, 1999 *Adjunct Associate Professor of International Economics*, Fletcher School of Law and Diplomacy, Tufts University
- 1990-95 *Institute Associate*, Harvard Institute for International Development
- 1987-90 *Assistant Professor*, Department of Forestry and Graduate Specialization in Resource Economics, Michigan State University
- 1988 *Visiting Scientist*, College of Forest Resources, University of Washington
- 1984 *Field Assistant*, Harvard Forest, Costa Rica
- 1981-83 *Research Assistant*, Harvard Forest, Petersham, Massachusetts

Awards/Honors

- 2006 Cozzarelli Prize (best article in Applied Biological, Agricultural, and Environmental Sciences published in the *Proceedings of the National Academy of Sciences*)
- 2003 McKinsey Award (most significant article published in *Harvard Business Review*)
- 2001 Edwin Way Teale Distinguished Lecturer, University of Connecticut (Title of lecture: *Tropical forests: for what, and how?*)
- 1983-86 National Science Foundation Graduate Fellowship

PUBLICATIONS

Journal articles

Ferreira, S., K.R. Hamilton, and J.R. Vincent. 3rd review. "Comprehensive wealth and future consumption: accounting for population growth." *World Bank Economic Review*.

Potts, M.D., and J.R. Vincent. In press. "Harvest and extinction in multi-species communities." *Ecological Economics*.

Potts, M.D., and J.R. Vincent. In press. "Spatial distribution of species populations, relative economic values, and the optimal size and number of reserves." *Environmental and Resource Economics*.

Boscolo, M., and J.R. Vincent. 2007. "Impact of area taxes on logging behavior." *Environment and Development Economics* 12(4):505-520.

Vincent, J.R. 2007. "Spatial dynamics, social norms, and the opportunity of the commons." *Ecological Research* 22(1):3-7.

Auffhammer, M., V. Ramanathan, and J.R. Vincent. 2006. "Atmospheric brown clouds and greenhouse gases have reduced rice harvests in India." *Proceedings of the National Academy of Sciences* 103:19668-72.

T. Sterner, M. Troell, J.R. Vincent, S. Aniyar, S. Barrett, W. Brock, S. Carpenter, K. Chopra, P. Ehrlich, M. Hoel, S. Levin, K.-G. Mäler, J. Norberg, L. Pihl, T. Söderqvist, J. Wilen, and A. Xepapadeas. 2006. "Quick fixes for the environment: part of the solution or part of the problem?" *Environment* 48(10):20-27.

Ferreira, S., and J.R. Vincent. "Genuine savings: leading indicator of sustainable development?" *Economic Development and Cultural Change* 53(3):737-754, 2005.

Rosen, S.B., W. MacLeod, J.R. Vincent, D.M. Thea, and J. Simon. "Why do Nigerian manufacturing firms take action on AIDS?" *Journal of Business in Developing Nations* 8:1-38, 2004.

Rosen, S.B., J.R. Vincent, W. MacLeod, M. Fox, D.M. Thea, and J. Simon. "The cost of HIV/AIDS to businesses in Africa." *AIDS* 18:317-324, 2004.

Boscolo, M., and J.R. Vincent. "Nonconvexities in the production of timber, biodiversity, and carbon sequestration." *Journal of Environmental Economics and Management* 46:251-268, 2003.

Rosen, S.B., J. Simon, J.R. Vincent, W. MacLeod, M. Fox, and D.M. Thea “AIDS is your business.” *Harvard Business Review* 81(2):80-87, 2003.

Vincent, J.R., J. Aden, G. Dore, M. Adriani, V. Rambe, and T. Walton. “Public environmental expenditures in Indonesia.” *Bulletin of Indonesian Economic Studies* 38(1):61-74, 2001.

Davis, J., A. Kang, J.R. Vincent, and D. Whittington. “How important is improved infrastructure to microenterprises? Evidence for piped water supply from Uganda.” *World Development* 29(10):1753-1767, 2001.

Vincent, J.R. 2000. “Green accounting: from theory to practice.” *Environment and Development Economics* 5(1&2):13-24.

Rosen, S., J.L. Simon, D.M. Thea, and J.R. Vincent. 2000. “Care and treatment to extend the working lives of HIV-positive employees: calculating the benefits to business.” *South African Journal of Science* 96(6):300-304.

Boscolo, M., and J.R. Vincent. 2000. “Promoting better logging practices in tropical forests: a simulation analysis of alternative regulations.” *Land Economics* 76(1):1-14.

Vincent, J.R. 1999. “A framework for forest accounting.” *Forest Science* 45(4):1-10.

Larson, B.A., et al. 1999. “The economics of air pollution health risks in Russia: a case study of Volgograd.” *World Development* 27(10):1803-1819.

Vincent, J.R. 1999. “Net accumulation of timber resources.” *The Review of Income and Wealth* 45(2):251-262.

Vincent, J.R., and M. Gillis. 1998. “Deforestation and forest land use: a comment.” *The World Bank Research Observer* 13(1):133-140.

Vincent, J.R. 1997. “Testing for environmental Kuznets curves within a developing country.” *Environment and Development Economics* 2(4):417-432.

Vincent, J.R. 1997. “Resource depletion and economic sustainability in Malaysia.” *Environment and Development Economics* 2(1):19-37. [Reprinted in *Natural Resource Accounting and Economic Development: Theory and Practice*, ed. C. Perrings and J.R. Vincent. Edward Elgar, Aldershot, United Kingdom, 2003.]

Vincent, J.R., T. Panayotou, and J.M. Hartwick. 1997. “Resource depletion and sustainability in small open economies.” *Journal of Environmental Economics and Management* 33(3):274-286.

Vincent, J.R., and T. Panayotou. 1997. “Consumption: challenge to sustainable development ... or distraction?” *Science* 276:53-55.

- Lim Hin Fui, J.R. Vincent, and Woon Weng Chuen. 1995. "Markets for nontimber forest products around Pasoh Forest Reserve, Malaysia." *Journal of Tropical Forest Science* 6(4):502-507.
- Vincent, J.R., and C.S. Binkley. 1994. "Efficient multiple-use forestry may require land-use specialization: reply." *Land Economics* 70(3):396-397.
- Vincent, J.R., and C.S. Binkley. 1993. "Efficient multiple-use forestry may require land-use specialization." *Land Economics* 69(4):370-376.
- Vincent, J.R. 1993. "Managing tropical forests: comment." *Land Economics* 69(3):313-318.
- Vincent, J.R. 1993. "Depletion and degradation are not the same." *Journal of Forestry* 91(4):24-25.
- Ahmad, I.H., and J.R. Vincent. 1993. "Demand for sawnwood of well-known and lesser known species in Peninsular Malaysia." *Journal of Tropical Forest Science* 4(4):340-353.
- Vincent, J.R. 1992. "The tropical timber trade and sustainable development." *Science* 256(5064):1651-1655.
- Parthama, I.B.P., and J.R. Vincent. 1992. "Monthly models of United States demand for Indonesian hardwood plywood." *Bulletin of Indonesian Economic Studies* 28(1):101-112.
- Vincent, J.R., D.J. Brooks, and A.K. Gandapur. 1991. "Substitution between tropical and temperate sawlogs." *Forest Science* 37(5):1484-1491.
- Vincent, J.R., A.K. Gandapur, and D.J. Brooks. 1990. "Species substitution and tropical log demand in Japan." *Forest Science* 36(3):657-664.
- Vincent, J.R. 1990. "Rent capture and the feasibility of tropical forest management." *Land Economics* 66(2):212-223.
- Vincent, J.R. 1989. "Optimal tariffs on intermediate and final goods: the case of tropical forest products." *Forest Science* 35(3):720-731.
- Vincent, J.R. 1988. "Malaysia: key player in international trade." *Journal of Forestry* 86(12):32-35.
- Binkley, C.S. and J.R. Vincent. 1988. "Timber prices in the U.S. south: past trends and outlook for the future." *Southern Journal of Applied Forestry* 12:15-18.
- Vincent, J.R. 1986. "Growth of the forest products industry in Malaysia: 1961-85." *Malaysian Forester* 49(3):223-240.

Vincent, J.R. 1986. "Input/output models and forest resource constraints: a comment." *Forest Science* 32(2): 397-401.

Tomlinson, P.B., and J.R. Vincent. 1984. "Anatomy of the palm *Rhapis excelsa*, X: differentiation of stem conducting tissue." *Journal of the Arnold Arboretum* 65: 191-214.

Vincent, J.R., and P.B. Tomlinson. 1983. "Architecture and phyllotaxis of *Anisophyllea disticha* (Rhizophoraceae)." *Bulletin of the Singapore Botanical Gardens* 36(1): 3-18.

Book chapters

Simon, J.L., S. Rosen, A. Whiteside, J.R. Vincent, and D.M. Thea. 2000. "The response of African businesses to HIV/AIDS." In *HIV/AIDS in the Commonwealth 2000/1*, ed. G. Morrison. Kensington Publications Ltd., London.

S. Rosen, J.R. Vincent, J.L. Simon, G. Singh, and D.M. Thea. 2000. "A model for assessing the costs of workforce HIV/AIDS." Proceedings of the XIII International AIDS Conference, held July 9-14 in Durban, South Africa. International Proceedings Division, Monduzzi Editore, Bologna.

Vincent, J.R. 1999. "Discussion on 'Timber Trade and Environment,' by Edward B. Barbier." In *World Forests, Society, and Environment*, ed. M. Palo and J. Uusivuori. Kluwer Academic Publishers, Dordrecht, The Netherlands.

Vincent, J.R. 1998. "Economic considerations pertaining to the expansion of logging in the Amazon." In *Forest Policies and Sustainable Development in the Amazon*. Proceedings of a workshop held July 14-16, 1997, in Rio de Janeiro. Cadernos FBDS No. 2. United Nations Development Programme, New York, and Fundação Brasileira para o Desenvolvimento Sustentável, Rio de Janeiro.

Vincent, J.R. 1998. "Comments on 'Where development can or cannot go: the role of poverty-environment linkages,' by Ramon Lopez." In *Annual World Bank Conference on Development Economics 1997*, in B. Pleskovic and J.E. Stiglitz, eds. The World Bank, Washington, D.C.

Panayotou, T., and J.R. Vincent. 1997. "The International Environment Program." In *Assisting Development in a Changing World*, ed. D.H. Perkins, R. Pagett, M. Roemer, D.R. Snodgrass, and J.J. Stern. Harvard University Press, for Harvard Institute for International Development.

Vincent, J.R., and S. Farrow. 1997. "A survey of pollution charge systems and key issues in policy design." In *Controlling Pollution in Transition Economies*, ed. R. Bluffstone and B. Larson. Edward Elgar, London.

Panayotou, T., and J.R. Vincent. 1997. "Environmental regulation and competitiveness." In *The Global Competitiveness Report 1997*. World Economic Forum, Geneva, Switzerland.

Akhtar, Sajjad, and J.R. Vincent. 1996. "Pakistan." In *Structural Adjustment, the Environment, and Sustainable Development*, David Reed, ed. Earthscan, London.

Vincent, J.R. 1996. "Environmental funds in developing and transition economies." In *Sustainable Development Finance: Opportunities and Obstacles*. Proceedings of the Third Expert Group Meeting on Financial Issues of Agenda 21, held February 6-8, 1996 in Manila. United Nations, New York.

Vincent, J.R., et al. 1995. "Impediments to environmental investments in CEE and the NIS." In *Financing Environmental Quality in Central and Eastern Europe: An Assessment of International Support*, G. Klaasen and M. Smith, eds. International Institute for Applied Systems Analysis, Laxenburg, Austria.

Vincent, J.R. 1995. "Timber trade, economics, and tropical forest management." In *Ecology, Conservation, and Management of Southeast Asian Forests*, R. Primack and T. Lovejoy, eds. Yale University Press, New Haven, Conn.

Tomich, T., M. Roemer, and J.R. Vincent. 1994. "Development from a primary export base." In *Asia and Africa: Legacies and Opportunities in Development*, D. Lindauer and M. Roemer, eds. Institute of Contemporary Studies Press, San Francisco.

Vincent, J.R., and Yusuf Hadi. 1993. "Malaysia." P. 440-482 in *Sustainable Agriculture and the Environment in the Humid Tropics*, National Research Council, ed. National Academy Press, Washington, D.C.

Vincent, J.R., and C.S. Binkley. 1992. "Forest-based industrialization: a dynamic perspective." P. 93-138 in *Managing the World's Forests*, N. Sharma, ed. Kendall/Hunt Publishing Company, Dubuque, Iowa, for The World Bank.

Vincent, J.R. 1992. "A simple, nonspatial modeling approach for analyzing a country's forest-products trade policies." P. 43-54 in *Forestry Sector Analysis for Developing Countries*, R.W. Haynes, P. Harou, and J. Mikowski, eds. *CINTRAFOR Special Report 10*. College of Forest Resources, University of Washington, Seattle.

Vincent, J.R. 1992. "Forest-sector models in developing countries." P. 149-155 in *Forest Sector, Trade, and Environmental Impact Models: Theory and Applications*, D. Adams, R. Haynes, B. Lippke, and J. Perez-Garcia, eds. Proceedings of an international symposium, held April 30-May 1 at CINTRAFOR, College of Forest Resources, University of Washington, Seattle.

Walker, D.R., and J.R. Vincent. 1991. "Annotated bibliography of valuation studies in developing economies." P. 191-199 in *Valuing Environmental Benefits in Developing Economies*, J.R. Vincent, E.W. Crawford, and J.P. Hoehn, eds. *Special Report No. 29*. Michigan Agricultural Experiment Station, Michigan State University, East Lansing, Mich. 199 p.

Vincent, J.R., Awang Noor Abd. Ghani, and Yusuf Hadi. 1990. "Revenue systems, rent capture, and logging behavior in Peninsular Malaysia." Proc. of Session S4.04-00, XIX World Congress, International Union of Forestry Research Organizations, held August 6-10, 1990, in Montreal.

Vincent, J.R., P.A. Cardellichio, D.J. Brooks, and R.W. Haynes. 1990. "Modeling forest sector dynamics: challenges for future analysis." Proc. of XIX World Congress, International Union of Forestry Research Organizations, held August 6-10, 1990, in Montreal.

Vincent, J.R., D.J. Brooks, and A.K. Gandapur. 1990. "Tropical-temperate sawlog substitution in Japan." Proc. of XIX World Congress, International Union of Forestry Research Organizations, held August 6-10, 1990, in Montreal.

Vincent, J.R., J.L. Chamberlain, and S.T. Warren. 1987. "Summary." P. 199-203 in *Utilization Without Conversion: Natural Management of Tropical Moist Forests*, F. Mergen and J.R. Vincent, eds. School of Forestry & Environmental Studies, Yale University, New Haven, Conn.

Working papers, book reviews, etc.

Saphores, J.-D., J.R. Vincent, and V. Marochko, with R. Subrick, I. Abrudan, L. Bouriaud, and C. Zinnes. In press. "Detecting collusion in timber auctions: an application to Romania." Policy Research Working Paper, The World Bank, Washington, DC.

Vincent, J.R. 2004. "Detecting illegal trade practices by analyzing discrepancies in forest products trade statistics: an application to Europe, with a focus on Romania." Policy Research Working Paper 3261, The World Bank, Washington, DC.

Vincent, J.R. 2002. "Window of opportunity opens to test market-based air pollution policies in Almaty, Kazakstan." Case 7.3 in *Environmental Policy Lessons Learned*. Report No. 21, Environmental Policy and Institutional Strengthening Indefinite Quantity Contract (EPIQ). U.S. Agency for International Development, Washington, D.C.

Vincent, J.R. 2002. "PROPER: Innovative use of facility information to generate support for policy reforms in Indonesia." Case 9.3 in *Environmental Policy Lessons Learned*. Report No. 21, Environmental Policy and Institutional Strengthening Indefinite Quantity Contract (EPIQ). U.S. Agency for International Development, Washington, D.C.

Vincent, J.R. 2002. "Solid analysis furthers diagnosis of timber auctions in Romania." Case 10.1 in *Environmental Policy Lessons Learned*. Report No. 21, Environmental Policy and Institutional Strengthening Indefinite Quantity Contract (EPIQ). U.S. Agency for International Development, Washington, D.C.

Vincent, J.R. 2002. "Environmental monitoring and enforcement authorities devolve to local governments in Indonesia." Case 14.1 in *Environmental Policy Lessons Learned*. Report No. 21, Environmental Policy and Institutional Strengthening Indefinite Quantity Contract (EPIQ). U.S. Agency for International Development, Washington, D.C.

Vincent, J.R. 2002. Review of *Timber Booms and Institutional Breakdown in Southeast Asia* (M. Ross, Cambridge University Press, 2001). *Journal of Environment and Development* 11(1):116-119.

AIDS Economics Team (Center for International Health, Boston University). 2001. "Analyzing the 'AIDS tax' on businesses." *Brookings Conference Report No. 9*. The Brookings Institution, Washington, D.C.

Vincent, J.R. 2001. "Are greener national accounts better?" *CID Working Paper No. 63*. Center for International Development, Harvard University, Cambridge, Massachusetts.

- Islam, N., J.R. Vincent, and T. Panayotou. 1999. "Unveiling the income-environment relationship: an exploration into the determinants of environmental quality." *Development Discussion Paper No. 701*. Harvard Institute for International Development, Cambridge, Massachusetts.
- Rosen, S., and J.R. Vincent. 1999. "Household water resources and rural productivity in sub-Saharan Africa: a review of the evidence." *Development Discussion Paper No. 673*. Harvard Institute for International Development, Cambridge, Massachusetts.
- Vincent, J.R., et al. 1998. "Forest regeneration in Khabarovsk krai." *Environment Discussion Paper No. 43*. Harvard Institute for International Development, Cambridge, Massachusetts.
- Boscolo, M., J.R. Vincent, and T. Panayotou. 1998. "Discounting costs and benefits in carbon sequestration projects." *Development Discussion Paper No. 638*. Harvard Institute for International Development, Cambridge, Massachusetts.
- Vincent, J.R., and B. Castaneda. 1997. "Economic depreciation of natural resources in Asia and implications for net savings and long-run consumption." *Development Discussion Paper No. 614*. Harvard Institute for International Development, Cambridge, Massachusetts.
- Vincent, J.R. 1996. "Natural resource market evolution in a transition economy." Paper presented in Harvard University environmental economics seminar series, November 20, 1996.
- Xie, Jian, J.R. Vincent, and T. Panayotou. 1996. "Computable general equilibrium models and the analysis of policy spillovers in the forest sector." *Environment Discussion Paper No. 19*. Harvard Institute for International Development, Cambridge, Massachusetts.
- Vincent, J.R., et al. 1995. *The Economics of Watershed Management: A Case Study of Mae Taeng*. Thailand Development Research Institute, Bangkok.
- Teter, D.F., J.R. Vincent, and Kadar Wiryanto. 1995. "Coal mining in Indonesia: environmental impacts, sustainability, and economic development." *Environment Discussion Paper No. 2*. Harvard Institute for International Development, Cambridge, Massachusetts.
- Vincent, J.R., and M. Newmark. 1992. "Deforestation and economic growth when food is nontradable." *Development Discussion Paper No. 420*. Harvard Institute for International Development, Cambridge, Mass.
- Vincent, J.R., W.J. Lange, and H.D. Seok. 1992. "Labor demand by forest products industries: a review." *Research Paper FPL-RP-510*. Forest Products Laboratory, U.S. Forest Service.
- Santisuk, T., T. Smitinand, W. Hoamuangkeaw, P. Ashton, S.H. Sohmer, and J.R. Vincent. 1991. *Plants for our future: botanical research and conservation needs in Thailand*. Royal Forest Department, Thailand, and U.S. Agency for International Development, through World Wildlife Fund-U.S. 48 p.

Vincent, J.R. 1990. "Don't boycott tropical timber." *Journal of Forestry* 88(4):56.

Vincent, J.R. 1989. Review of *Public Policies and the Misuse of Forest Resources* (ed. R. Repetto and M. Gillis, Cambridge University Press, 1988). *International Environmental Affairs* 1(3):245-247.

Cardellichio, P.A., Y.C. Youn, C.S. Binkley, J.R. Vincent, and D.M. Adams. 1988. "An economic analysis of short-run timber supply around the globe." *CINTRAFOR Working Paper 18*. College of Forest Resources, University of Washington, Seattle.

Vincent, J.R. 1987. "Modeling Japan-South Seas trade in forest products." *General Technical Report No. 210*. Pacific Northwest Research Station, U.S. Forest Service. 28 p.

Vincent, J.R., and C.S. Binkley. 1987. Review of *The Economics of Forestry and Natural Resources* (P.O. Johansson and K.G. Lofgren, Basil Blackwell, 1985). *Forest Science* 33(1): 248-250.

Vincent, J.R. 1985. "White Mountain National Forest timber: a survey of its users." *The Northern Logger and Timber Processor* 33(9): 10-11, 34-35.

Books and monographs

Mäler, K.-G., and J.R. Vincent, eds. 2005. *Handbook of Environmental Economics, Volume 2: Valuing Environmental Changes*. K. Arrow and M. Intriligator, series editors. North-Holland, Amsterdam.

Vincent, J.R., and Rozali bin Mohamed Ali, lead authors. 2005. *Managing Natural Wealth: Environment and Development in Malaysia*. Resources for the Future Press, Washington, D.C. [New edition of Vincent, J.R., Rozali bin Mohamed Ali, and Associates, 1997, *Environment and Development in a Resource-Rich Economy: Malaysia under the New Economic Policy* (see below)].

Mäler, K.-G., and J.R. Vincent, eds. 2005. *Handbook of Environmental Economics, Volume 3: Economywide and International Environmental Issues*. K. Arrow and M. Intriligator, series editors. North-Holland, Amsterdam.

Perrings, C., and J.R. Vincent, eds. 2003. *Natural Resource Accounting and Economic Development: Theory and Practice*. Edward Elgar, Aldershot, United Kingdom.

Mäler, K.-G., and J.R. Vincent, eds. 2003. *Handbook of Environmental Economics, Volume 1: Environmental Degradation and Institutional Responses*. K. Arrow and M. Intriligator, series editors. North-Holland, Amsterdam.

Aden, J., G. Dore, J.R. Vincent, and T. Walton, lead authors. 2001. *Indonesia: Environment and Natural Resource Management in a Time of Transition*. 129 pp.

Vincent, J.R., ed. 2000. "Advances in Green Accounting." Special issue of *Environment and Development Economics* 5(1&2).

Vincent, J.R., Rozali bin Mohamed Ali, and Associates. 1997. *Environment and Development in a Resource-Rich Economy: Malaysia under the New Economic Policy*. Harvard Studies in International Development. Harvard University Press, Cambridge, Massachusetts. 420 p.

Holst, Juergen, P. Koudal, and J.R. Vincent, eds. 1997. *Finance for Sustainable Development: The Road Ahead*. United Nations. 503 p.

Vincent, J.R., E.W. Crawford, and J.P. Hoehn, eds. 1991. *Valuing Environmental Benefits in Developing Economies. Special Report No. 29*. Michigan Agricultural Experiment Station, Michigan State University, East Lansing, Mich. 199 p.

Mergen, F., and J.R. Vincent, eds. 1987. *Utilization Without Conversion: Natural Management of Tropical Moist Forests*. School of Forestry & Environmental Studies, Yale University, New Haven, Conn. 212 p.

PROFESSIONAL ACTIVITIES

Memberships in professional societies

American Economic Association

Association of Environmental & Resource Economists

Advisory committees, editorships, and other external positions (selection)

- Since 2006 Editorial Board, *Journal of Tropical Forest Science*.
- Since 2005 Member, Biodiversity Science and Education Initiative, Smithsonian Institution.
- Since 2005 Board of Directors, Beijer Institute of Ecological Economics, Stockholm, Sweden.
- Since 2003 International advisory group, Resource Accounting Network for Eastern and Southern Africa (RANESA).
- Since 2002 International advisory committee, Southeast Asian Network for Development and Environmental Economics (SANDEE).
- Since 2002 International Fellow, Center for Environmental Economics and Policy in Africa (CEEPA), University of Pretoria, South Africa.
- Since 2001 Advisory Board, Forest Economics and Policy Program, Resources for the Future.
- Since 1998 Lecturer, World Bank Institute, Environmental Economics for Development Policy training course.
- 2001-04 Associate Editor, *Environment and Development Economics*.
- 2004 Organizer, Workshop on Spatial Aspects of Reserve Design under Economic Constraints, International Center for Theoretical Physics, Trieste. With Simon Levin and Charles Revelle.
- 2003 Organizer, Workshop on International Financing of Biodiversity Conservation, La Jolla, California. With David Woodruff and Raymond Clémentçon.
- 2002 Vice Chair, Program Committee, 2nd World Congress of Environmental and Resource Economists, Monterey, California.

- 1995-01 Lecturer, Beijer Institute for Ecological Economics, environmental economics training courses in Africa, Asia, and Latin America.
- 1995-99 Editorial board, *World Forests, Society, and Environment*, European Forest Institute, Finnish Forest Research Institute, and United Nations University.
- 1993-97 Advisor to the chair, expert committee on financial aspects of Agenda 21, Commission on Sustainable Development, United Nations.
- 1992-97 Board of Directors, Tropical Forests Foundation.

Manuscript reviewer

Economics: *American Economic Review*, *Review of Economics and Statistics*, *Oxford Economic Papers*, *Review of Income and Wealth*, *World Bank Economic Review*, *World Bank Research Observer*

Environmental economics: *Journal of Environmental Economics and Management*, *Land Economics*, *Resource and Energy Economics*, *Environment and Development Economics*, *Ecological Economics*

Agricultural economics: *American Journal of Agricultural Economics*, *Malaysian Journal of Agricultural Economics*

Environment: *International Environmental Affairs*, *Environmental Management*

Forestry: *Forest Science*, *Canadian Journal of Forest Research*, *Journal of Tropical Forest Science*, *Journal of Forestry*, *Agroforestry Systems*

General: *Science*, *Ambio*, *Bioscience*

Country experience (excluding conferences)

Long-term: Malaysia (1992-93).

Short-term: Bulgaria, China, Costa Rica, Indonesia, Jordan, Kazakstan, Malaysia, Pakistan, Romania, Russia, South Africa, Sri Lanka, Thailand.