

Paul J. Ferraro
Department of Economics
Andrew Young School of Policy Studies, Georgia State University
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EDUCATION

BA (Biology and History), Duke University, 1990

MS (Environmental Economics), Duke University, 1994

PhD (Applied Economics), Cornell University, 2001

Doctoral Dissertation: *Constructing Markets for Ecosystem Services: essays in conservation contracting*. Chair: Jon M. Conrad.

FELLOWSHIPS AND ADVISORY BOARDS

Advisory Board, Conservation Strategy Fund, 2009-present

Kathryn Fuller Science for Nature Fund Visiting Scientist, 2007-present

Scientific and Technical Advisory Panel for the Global Environment Facility (GEF), 2006-present (one of five science advisors to the GEF; 70 days per year)

World Wildlife Fund Senior Science Fellow, 2006-present

Resources for the Future Joseph Fisher Fellow, 2000

Institute for the Study of World Politics Fellow, 1999

United States Environmental Protection Agency STAR Fellow, 1997-1999

ACADEMIC POSITIONS

Associate Professor (tenured), Department of Economics, Andrew Young School of Policy Studies, Georgia State University, July 2007 – present.

Assistant Professor, Department of Economics, Andrew Young School of Policy Studies, Georgia State University, August 2001 – June 2007

PRACTICE

A Grazing Permit Retirement Auction in the Charles M. Russell National Wildlife Refuge (5/08-present), National Wildlife Federation/World Wildlife Fund, Montana; Payments for Avoided Ecosystem Degradation in Nudo del Azuay, Ecuador, Fundación Cordillera Tropical and CIFOR (7/08-present); Program Evaluation of Institute for Family Centered Services' In-home Treatment Service for at-risk Youth, Maryland and Virginia (4/06-3/08); Payments for Environmental Services, Sustainable Agriculture and Natural Resources Management (SANREM) Collaborative Research Support Program (9/06-10/07); International Panel to Evaluate Costa Rica's Programa de Pagos de Servicios Ambientales y Proyecto Ecomercados, Ministerio de Ambiente y Energía, Costa Rica (9/05); Ukraine-American Policy and International Coordination Work Group and Ukraine Environmentally Sound Business Development Project. For USAID/Bureau for Europe and the New Independent States. (9/96 – 12/96); Economic Factors Affecting the Conservation or Depletion of Biodiversity, and A Framework for Affecting Household Behavior to Promote Biodiversity Conservation: field applications. For USAID/Africa Bureau (10/95 – 9/96); Pesticide Use and Pest Management in Madagascar: sub-sector and programmatic environmental assessment. For USAID/Africa Bureau and USAID/Madagascar (8/95 – 9/95); Trade in Biodiversity for Environmental Management. For USAID/Madagascar (6/94 – 11/94); Environmental Valuation of a Development and Conservation Project. For World Bank/Duke University (3/91 – 6/91; 1/92); Alternatives to Destruction: steps towards the sustainable use of the Malagasy rain forest. Funded

by the Rhode Island Zoological Society, the Biodiversity Support Program (World Wildlife Fund, the Nature Conservancy, and the World Resources Institute), and the Rainforest Alliance. (8/91 – 12/96); Man and the Malagasy Rain Forest: an integrated conservation/sustained development project. Funded by the UNESCO Man and the Biosphere Program. (6/89 – 7/89; 8/90 – 3/91).

I have also provided pro bono advice to more than two dozen non-profit and governmental environmental groups since 2001.

TEACHING

Courses Taught: Environmental and Natural Resources Economics (PhD); Environmental Economics and Policy (Masters); Environmental and Natural Resource Economics (Undergraduate). Introduction to Microeconomics (Undergraduate); Mathematics for Economists (PhD).

Guest Lecturer: Critical Issues in Conservation and Sustainable Development (Graduate); Disease Prevention and Control (Undergraduate); Environmental Conservation (Graduate); Environmental Economics (PhD); Experimental Economics (Graduate, Undergraduate); Introduction to Macroeconomics (Undergraduate); Introduction to Policy Analysis (Undergraduate); Protected Area Management (Graduate); Rural Livelihoods and Biological Resources (Graduate); Senior Economics Capstone Course

PUBLICATIONS: REFEREED SCHOLARLY

Ferraro, PJ. 2001. Global Habitat Protection: Limitations of development interventions and a role for conservation performance payments. *Conservation Biology* 15(4): 990-1000.

Ferraro, PJ and RD Simpson. 2002. The Cost-effectiveness of Conservation Performance Payments. *Land Economics* 78(3): 339-353.

Ferraro, PJ. 2002. The Local Costs of Establishing Protected Areas in Low-income Nations: Ranomafana National Park, Madagascar. *Ecological Economics* 43(2-3): 261-275.

Azzaino, Z, J Conrad and PJ Ferraro. 2002. Optimizing the Riparian Buffer: Harold Brook in the Skaneateles Lake Watershed, New York. *Land Economics* 78(4): 501-514.

Ferraro, PJ, and A Kiss. 2002. Direct Payments for Biodiversity Conservation. *Science* 298: 1718-1719.

Ferraro, PJ. 2003. Assigning Priority to Environmental Policy Interventions in a Heterogeneous World. *Journal of Policy Analysis and Management* 22(1): 27-43.

Ferraro, PJ, D Rondeau, and GL Poe. 2003. Detecting Other-regarding Behavior with Virtual Players. *The Journal of Economic Behavior and Organization* 51(1): 99-109.

Ferraro, PJ. 2003. Conservation Contracting in Heterogeneous Landscapes: An application to watershed protection with threshold constraints. *Agricultural and Resource Economics Review* 32(1): 53-64.

Ferraro, PJ and A Kiss. 2003. Will Direct Payments Help Biodiversity? Response. *Science* 299 (28 March): 1981-1982.

Ferraro, PJ. 2004. Targeting Conservation Investments in Heterogeneous Landscapes: A distance function approach and application to watershed management. *American Journal of Agricultural Economics* 86(4): 905-918.

Ferraro, PJ and RD Simpson. 2005. Cost-Effective Conservation When Eco-entrepreneurs have Market

- Power. *Environment and Development Economics* 10(5): 651-663.
- Ferraro, PJ and RD Simpson. 2005. Protecting Forests and Biodiversity: are investments in eco-friendly production activities the best way to protect endangered ecosystems and enhance rural livelihoods? *Forests, Trees and Livelihoods* 15(2): 2-10.
- Ferraro, PJ, T Uchida and JM Conrad. 2005. Price Premiums for Eco-friendly Commodities: Are 'green' markets the best way to protect endangered ecosystems? *Environmental and Resource Economics* 32(3): 419-438.
- Ferraro, PJ. 2005. Corruption and Conservation: the need for empirical analyses. *Oryx – The International Journal of Conservation* 39: 257-259. [Invited by the editor]
- Ferraro, PJ and LO Taylor. 2005. Do Economists Recognize an Opportunity Cost When They See One? A dismal performance from the dismal science. *Contributions to Economic Analysis & Policy* 4(1), Article 7.
- Ferraro, PJ and SK Pattanayak. 2006. Money for Nothing? A call for empirical evaluation of biodiversity conservation investments. *PLoS Biology* 4(4): 482-488.
- Naidoo, R, A Balmford, PJ Ferraro, S Polasky, T Ricketts and M Rouget. 2006. Integrating Economic Costs into Conservation Planning. *Trends in Ecology and Evolution* 21(2): 681-687.
- Naidoo, R, A Balmford, PJ Ferraro, S Polasky, T Ricketts and M Rouget. 2007. Response to Hockley et al.: The merit of economic and biological measures in conservation planning. *Trends in Ecology and Evolution* 22(6): 287-288.
- Ferraro, PJ and T Uchida. 2007. Stock Market Reactions to Information Disclosure: new evidence from Japan's Pollutant Release and Transfer Register. *Environmental Economics and Policy Studies* 8: 159-171.
- Ferraro, PJ and RG Cummings. 2007. Cultural Diversity, Discrimination and Economic Outcomes: an experimental analysis. *Economic Inquiry* 45(2): 217-232.
- Uchida, T and PJ Ferraro. 2007. Voluntary Development of Environmental Management Systems: Motivations and regulatory implications. *Journal of Regulatory Economics* 32: 37-65.
- Ferraro, PJ, C McIntosh and M Ospina. 2007. The Effectiveness of Listing under the U.S. Endangered Species Act: An econometric analysis using matching methods. *Journal of Environmental Economics and Management* 54(3): 245-261.
- Ferraro, PJ. 2008. Asymmetric Information and Contract Design for Payments for Environmental Services. *Ecological Economics* 65(4): 810-821.
- Fisher, B, K Turner, A Balmford, R Brouwer, R Costanza, R de Groot, S Farber, P Ferraro, R Green, D Hadley, J Harlow, P Jefferiss, C Kirby, P Morling, S Mowatt, R Naidoo, J Paavola, B Strassburg, D Yu, M Zijlstra. 2008. Ecosystem Services and Economic Theory: Integration for policy-relevant research. *Ecological Applications* 18(8): 2050–2067.
- Andam, KS, PJ Ferraro, A Pfaff, GA Sanchez-Azofeifa, and J Robalino. 2008. Measuring the Effectiveness of Protected Area Networks in Reducing Deforestation. *Proceedings of the National Academy of Sciences* 105(42): 16089-16094. (Andam & Ferraro share senior authorship)
- Leimona, B, BK Jack, and PJ Ferraro. 2009. A Revealed Preference Approach to Estimating Supply Curves for Environmental Services: experimental field auctions and soil erosion control in Indonesia. *Conservation Biology* 23(3): 359-367.

Arriagada, R, EO Sills, SK Pattanayak, and PJ Ferraro. In Press. Combining Qualitative and Quantitative Methods to Evaluate Participation in Costa Rica's Program of Payments for Environmental Services. *Journal of Sustainable Forestry*.

Ferraro, PJ. In Press. Regional Review of Payments for Watershed Services: Sub-Saharan Africa. *Journal of Sustainable Forestry*.

Ferraro, PJ. In Press. Counterfactual Thinking and Impact Evaluation in Environmental Policy. *New Directions for Evaluation*.

Ferraro, PJ and H Gjertsen. In Press. A Global Review of Incentive Payments for Sea Turtle Conservation. *Chelonian Conservation and Biology*.

Sutherland, WJ, WM Adams, RB Aronson, R Aveling, TM Blackburn, S. Broad, G. Ceballos, IM Côté, RM Cowling, GAB da Fonseca, E Dinerstein, PJ Ferraro, E Fleishman, C Gascon, M Hunter Jr, J Hutton, P Kareiva, P, A Kuria, DW Macdonald, MacKinnon, K, Madgwick, FJ, Mascia, MB, McNeely, J, Milner-Gulland, EJ, Moon, S, Morley, CG, Nelson, S, Osborn, D, Pai, M, Parsons, ECM, Peck, LS, Possingham, H, Prior, SV, Pullin, AS, Rands, MRW, Ranganathan, J, Redford, KH, Rodriguez, JP, Seymour, F, Sobel, F, Sodhi, NS, Stott, A, Vance-Borland, K & Watkinson, AR. In Press. One Hundred Questions of Importance to the Conservation of Global Biological Diversity. *Conservation Biology*.

PUBLICATIONS: REFEREED PROFESSIONAL/PRACTITIONER

Ferraro, PJ. 2005. Guest Editorial: An Economist's Reflections on the 25th Annual Symposium for Sea Turtle Biology and Conservation: Empirical Program Evaluation and Direct Payments for Sea Turtle Conservation. *Marine Turtle Newsletter* 109: 2-6.

Ferraro, PJ. 2006. Response to Comment by Peter C.H. Pritchard. *Marine Turtle Newsletter* 111: 4-5.

Sills, EO, S Pattanayak, PJ Ferraro, and K Algers. 2006. Abordagens Analíticas na Avaliação de Impactos Reais de Programas de Conservação. *Megadiversidade* 2(1-2): 39-49.

PUBLICATIONS: BOOKS, MONOGRAPHS AND REPORTS

Ferraro, PJ and RA Kramer. 1997. Compensation and Economic Incentives: Reducing pressures on protected areas. In *Last Stand: protected areas and the defense of tropical biodiversity*, R Kramer, C van Schaik, and J Johnson (eds.). New York: Oxford University Press, pp. 187-211.

Lee, DR, PJ Ferraro, and CB Barrett. 2000. Introduction: Changing perspectives on agricultural intensification, economic development and the environment. In *Tradeoffs or Synergies? Agricultural Intensification, Economic Development and the Environment in Developing Countries*, DR Lee and CB Barrett (eds.). Wallingford, UK: CAB International, pp. 1-16.

Ferraro, PJ. 2001. Reconciling the Long-term Conservation Needs of Large Mammals and Local Communities: conservation performance payments. In *Terrestrial Ecoregions of the Indo-Pacific: a conservation assessment*, eds., E Wikramanayake, E Dinerstein, and CJ Loucks. Washington, D.C.: Island Press, pp. 185-187.

Ferraro, PJ. Contributing author to *Ecosystems and human well-being: policy responses, Findings of the Responses Working Group of the Millennium Ecosystem Assessment* (2005, Cambridge University Press). The *Millennium Ecosystem Assessment* was a four-year, \$21 million undertaking intended to produce a comprehensive view of the state and management of the planet's ecological resources.

Nyhus, PJ, SA Osofsky, PJ Ferraro, H Fischer and F Madden. 2005. Bearing the Costs of Human-wildlife Conflict: the challenges of compensation schemes. In *People and Wildlife: Conflict or Coexistence?* edited by R Woodroffe, S Thirgood & A Rabinowitz. Cambridge University Press, Cambridge, U.K.

Ferraro, PJ. 2006. Integrating Biophysical and Economic Information to Guide Land Conservation Investments. In *Economics and Contemporary Land Use Policy: Development and Conservation at the Rural-Urban Fringe*, edited by R Johnson and S Swallow. Resources for the Future Press, Washington, D.C., pp.267-290.

Ferraro, PJ and RD Simpson. 2006. Cost-effective Conservation: A review of what works to preserve biodiversity. In *Resources for the Future Reader in Environmental Policy and Resource Management*, 2nd edition, edited by WE Oates. Resources for the Future Press, Washington DC. Reprinted from 2001 article in *Resources* 143: 17-20.

Albers, HJ and PJ Ferraro. 2006. Economics of Biodiversity Conservation in Developing Countries. In *Economic Development and Environmental Sustainability: new policy options*, edited by M Toman and R Lopez. Oxford University Press, NY.

Ferraro, PJ and RG Cummings. 2007. Experimental approaches to understanding inter-cultural conflict over resources. In *Using Experimental Methods in Environmental and Resource Economics*, edited by J. List. Edward Elgar, pp. 137-160.

Cotten, S, PJ Ferraro and CA Vossler. 2008. Can Public Goods Experiments Inform Policy? Interpreting results in the presence of confused subjects. In *Environmental Economics, Experimental Methods*, edited by T. Cherry, S. Kroll and J. Shogren. Routledge, pp.194-211.

Sills, E, R Arriagada, P Ferraro, S Pattanayak, L Carrasco, E Ortiz, S Cordero, and K Andam. In Press. Impact of the PSA Program on Land Use. In *Ecomarkets: Costa Rica's Experience with Payments for Environmental Services*, edited by G. Platais and S. Pagiola.

PUBLICATIONS: NON-REFEREED AND OTHER

Parks, PJ and PJ Ferraro. 1994. Invited review of "Introduction to Ecological Economics: with Gaylord Nelson, Herman Daly, and John Cobb, Jr." *Society and Natural Resources* 7: 196-198.

Ferraro, PJ, with R Tshombe, R Mwinyihali, and JA Hart. 1997. Projets Intégrés de Conservation et de Développement: un cadre pour promouvoir la conservation et la gestion des ressources naturelles. *Wildlife Conservation Society Working Paper No. 6*. Bronx, N.Y.: Wildlife Conservation Society, 1997.

Ferraro, PJ. 2001. Cost-effective Targeting of Riparian Buffers in Georgia when Water Quality Benefits are Difficult to Measure. *Georgia Water Policy & Planning Center Working Paper #2001-005*.

Ferraro, PJ. 2001. Water Quality Protection and the Cost-effective Targeting of Riparian Buffers in Georgia. *Georgia Water Policy & Planning Center Working Paper #2001-004*.

Ferraro, PJ. 2001. Conservation Performance Payments: Efficient investments for ecoregion conservation? *Sharing Across Boundaries* (A Publication of the Conservation Strategies Unit of World Wildlife Fund) 3: 3.

Ferraro, PJ, and A Kiss. 2003. Direct Payments for Biodiversity Conservation. Reprinted in the *Himalayan Journal of Sciences*, 1(2) (August) [originally published in *Science*]

Ferraro, PJ. 2004. *Direct Payments to Protect Endangered Ecosystems and Experimental Methods to Estimate Payment Costs*. Prepared for the Twenty-First Biannual Workshop of the Economy and Environment Program for Southeast Asia (EEPSEA), Hanoi, May.

Ferraro, PJ. 2004. Assigning Priority to Ecosystem Restoration Investments in Georgia's Chickasawhatchee Swamp. *Georgia Water Policy & Planning Center Working Paper #2004-017*.

Ferraro, PJ. 2005. Are We Getting What We Paid For? The Need for Randomized Environmental Policy Experiments in Georgia. *Georgia Water Policy & Planning Center Working Paper #2005-022*. [from

2001-2006, I also wrote another seven papers for the Georgia Water Policy & Planning Center (see www.h2opolicycenter.org)

Hartshorn, G, PJ Ferraro, and B Spergel. 2005. *Evaluation of the World Bank – GEF Ecomarkets Project in Costa Rica*. November, North Carolina State University.

Ferraro, PJ. 2007. *Performance Payments for Sea Turtle Nest Protection in Low-income Nations: a case study from Tanzania*. January, National Marine Fisheries Service, La Jolla, CA.

Asquith, N, S Wunder et al. 2008. *Payments for Watershed Services: The Bellagio Conversations*. Fundación Natura Bolivia: Santa Cruz de la Sierra

Ferraro, PJ. 2008. Protected Areas and Human Well-Being. In *Economics and Conservation in the Tropics: A strategic dialogue*. Conservation Strategy Fund, Moore Foundation, Resources for the Future.

Arriagada, R, EO Sills, SK Pattanayak, and PJ Ferraro. 2008. Evaluating Initiatives with Direct Conservation Payments: econometric analysis of the Costa Rican Program of payments for environmental services. *Sylvanet* 21: 24-31.

PUBLICATIONS: UNDER REVIEW AND IN PROCESS

Castillo, M, PJ Ferraro, J Jordan, and R Petrie. The Today and Tomorrow of Kids: discount rates among adolescents. Working Paper.

Ferraro, PJ. Common Pool Resource Management without Prices: A randomized policy experiment to test the effects of imperfect information and pro-social preferences. Working Paper.

Ferraro, PJ. Know Thyself: incompetence and overconfidence. Working Paper.

Ferraro, PJ and C Vossler. The Source and Significance of Confusion in Public Goods Experiments. Working Paper.

Pfaff, A, J Robalino, GA Sanchez-Azofeifa, K Andam and P Ferraro. Location Affects Protection: Observable characteristics drive park impacts in Costa Rica. Working Paper..

Adji, A, J Alm, and PJ Ferraro. Experimental Tests of Ricardian Equivalence with Nondistortionary versus Distortionary Taxes. Working Paper.

Andam, K and PJ Ferraro. Effect of Race on Married Women's Retirement Planning. Working Paper.

Arriagada, R, E Sills, S Pattanayak, P Ferraro, and S Cordero. Impact Evaluation of the Costa Rican Program of Payments for Environmental Services at the Parcel Level. Working Paper.

Andam, K, PJ Ferraro, KE Sims, MB Holland. Do Protected Areas Increase Poverty? Evidence from Costa Rica and Thailand. Working Paper.

Delaney, J and PJ Ferraro. Do Investors React to Information from the Toxics Release Inventory? An econometric reassessment. In process.

Ferraro, PJ. Testing Game Theory with Nash agents. In process.

Ferraro, PJ. Evaluating Conservation Projects without Experimental or Quasi-experimental designs: a case study of conservation performance payments to protect African sea turtles. In process.

Ferraro, PJ. Institutional Coordination in the Presence of Joint Production and Spatial Heterogeneity Across Landscapes. In process.

Ferraro, PJ. The Distortionary Dynamics of Direct and Indirect Transfers with Heterogeneous Agents. In process.

Ferraro, PJ. and JT. Hsieh. Using Virtual Agents to Differentiate among Altruism, Strategic Behavior and Error in the Ultimatum Game. In process.

EXTERNALLY-FUNDED RESEARCH PROJECTS

Georgia State University Research Foundation, *Dynamics of Repeated Public Goods Games*, Principal Investigator \$10,000, 2002-2003.

Georgia State University Research Foundation, *Research Instrumentation Grant*, Co-Principal Investigator (PI: Laury; Co-PIs: Petrie, Taylor, Pouget and Gillette), \$46,206, 2004.

United States Department of Agriculture, *Agricultural Water Policy for Georgia*, Principal Investigator, \$837,429, 2004-2005.

National Oceanic and Atmospheric Administration (National Marine Fisheries Service). *Evaluating the Effectiveness and Efficiency of Sea Turtle Conservation*, Principal Investigator, \$54,040, 2004-2006.

National Science Foundation (Economics), *Private Provisions of Public Goods: Applying Matching Estimators to Evaluate 'Direct Payments' for Tropical Forest Conservation*, Co-Principal Investigators: P. Ferraro, S. Pattanayak, and E. Sills, \$31,051. 2005-2007.

United States Department of Agriculture, *Agricultural Water Policy for Georgia*, Co-Principal Investigators: P. Ferraro and L. Taylor, \$129,215. 2006-2007.

World Wildlife Fund, *Northern Great Plains Ecoregion: incentives and evaluation*. Principal Investigator, \$46,194. 2008-present.

United Nations Environment Programme, *Scientific and Technical Advisor Panel*. Principal Investigator, \$65,628. 2008-present.

International Initiative for Impact Evaluation, Global Development Network, *The Impact of Energy Efficient Technology on Energy Consumption: a randomized experiment*. Proposal Preparation Grant, \$5,000, Co-Principal Investigators: Kwaw Andam, Felix Asante, Paul Ferraro. 2008-present.

Information about external funding received prior to 2001 is not included here but is available upon request (New York Water Resources Institute, Rainforest Alliance, William Lazar Foundation, Rhode Island Zoological Society, Biodiversity Support Program).

PRESENTATIONS AT PROFESSIONAL MEETINGS AND CONFERENCES (2000-2008)

2000: Economic Science Association; International Association for the Study of Common Property Annual Meeting

2001: Northeastern Agricultural and Resource Economics Association Annual Meeting; Southern Economics Association Annual Meeting; Potencialidades de los sistemas silvo-pastoriles para la generación de servicios ambientales

2002: World Congress of Environmental and Resource Economists (two presentations); Land Use Policy Conference (sponsored by the Northeastern Agricultural and Resource Economics Association); Healthy Ecosystems, Healthy People: Linkages between Biodiversity, Ecosystem Health and Human Health; Society for Conservation Biology Annual Meeting; Southern Economics Association Annual Meeting;

2003: Rural Livelihoods, Forests and Biodiversity (co-sponsored by the Center for International Forestry Research (CIFOR), Germany's Ministry of Economic Cooperation and Development (BMZ), the German Foundation for International Development (DSE) and Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ)); Economic Science Association, International Meeting (two presentations);

Southern Economics Association Annual Meeting (three presentations); Conference on International Financing of Biodiversity Conservation in Developing Countries

2004: Annual CAMP Resources Conference; Economic Science Association, North American Regional Meeting; Southern Economics Association Annual Meeting;

2005: Annual Symposium on Sea Turtle Biology and Conservation; Conference on Experimental Public Economics; Experimental Economics and Public Policy; Association of Environmental and Resource Economists Conference on Natural Resources at Risk

2006: Society for Conservation Biology Annual Meeting (two presentations); Economic Science Association International Meetings; Society for Conservation Biology Annual Meeting; Annual CAMP Resources Conference

2007: American Economic Association Annual Meeting; Association of Environmental and Resource Economists Conference on Valuation and Incentives for Ecosystem Services; American Agricultural Economics Association Annual Meeting

2009: American Economic Association Annual Meeting

Workshop Presentations (Invited Speaker)

2001: Resources for the Future; The Nature Conservancy; World Wildlife Fund

2002: North Carolina State University; Emory University

2004: Emory University; Davidson College

2005: Workshop on Payments for Environmental Services (PES) – Methods and design in developing and developed countries; Southwest Fisheries Science Center, U.S. National Marine Fisheries Service; Scripps Institute for Oceanographic Research/University of California-San Diego

2006: Valuing Wild Nature Workshop (co-sponsored by English Nature and Royal Society for the Protection of Birds); US Agency for International Development's International Symposium on Biodiversity Conservation in Agriculture; World Wildlife Fund; Conservation International (two presentations); Kinship Conservation Fellows Symposium (Kinship Foundation); Joint Committee Meeting of the Georgia Senate Natural Resources and the Environment Committee and the Georgia Senate Agriculture and Consumer Affairs Committee; Duke University, NC State University, University of North Carolina and RTI International; Duke University, Nicholas Institute; University of California-Santa Barbara, Bren School of Environmental Studies; Scripps Institute for Oceanographic Research/University of California-San Diego; Evaluation Office, The Global Environment Facility

2007: Scientific Workshop on Payments/Rewards for Environmental Services; Bellagio Workshop on Payments for Watershed Services; University of Minnesota; Georgia State University, Nonprofit Group Seminar Series; Georgia State University, Child Policy Seminar Series; Harvard University, Frontiers in Sustainable Development Speaker Series; Annual Environmental Evaluator's Forum, Environmental Protection Agency; Virginia Tech

2008: Environmental Protection Agency Expert Panel on Evaluating Partnership Programs; Moore Foundation Workshop on Economics and Conservation; University of Georgia, Warnell School Seminar Series; World Bank Independent Evaluation Group/NORAD Evaluation Department Workshop on Evaluating REDD; University of Cambridge Global Assessment Workshop of 100 Questions of Greatest Importance to Conservation Policy and Practice; Georgia Water Wise Council; World Wildlife Fund Conservation Science Program Seminar Series; World Wildlife Fund Northern Great Plains Seminar Series.

2009: Yale University; Fundación Cordillera Tropical (Ecuador); Global Environment Facility; Lincoln Institute of Land Policy

SUPERVISION OF DISSERTATIONS AND MASTERS THESES

Doctoral Thesis Committee Chair

Voluntary Approaches to Environmental Protection, Toshihiro Uchida. August 2004. Dissertation was awarded a GSU Dissertation Grant, the Resources for the Future Joseph L. Fisher Fellow award, and the Southern Economics Association Graduate Award.

The Effect of Penalty Severity on Compliance Behavior, Vid Adrison. December 2007.

Essays on the Evaluation of Land Use Policy: The Effects of Regulatory Protection on Land Use and Social Welfare, Kwaw Andam (PhD Public Policy). May 2008. Dissertation was awarded a GSU Dissertation Grant, the Resources for the Future Joseph L. Fisher Fellow award, and the Southeast Evaluation Association Graduate Award.

Essays on the Evaluation of Environmental Programs. Merlin Hanauer, in progress.

Doctoral Thesis Committee Member

Essays on Ricardian Equivalence, Artidiantun Adji, December 2006.

Governmental Fragmentation and the Attainment of Environmental Quality, Peter Bluestone. December 2007.

Evolutionary Genetics of Color Linked to Behavior in Cleaning Gobies, Liliana Letteri (Georgia Tech, Department of Biology), in progress.

Direct Approaches in Payments for Environmental Services: designing and assessing success factors and constraints. Beria Leimoina (Wageningen University), in progress.

Essays in Conservation Contracting, Rohit Jindal (Michigan State University), in progress.

Essays in Environmental Auctions, William Holmes, in progress

Essays in Environmental Economics, Andrew Chupp, in progress

Evaluating El Programa Familias en Acción: household shocks and heterogeneous treatment effects. Monica Ospina, in progress.

Masters Paper Co-Chair, *Economic Growth, Infrastructure and Institutional Efficiency: A Case of Indonesia*, Muhammad Yusri Zamhuri, completed May 2003.

Masters Thesis Chair, *Ultimatum Game with Robots*, Ju Hsieh, completed August 2006.
Committee Reader on 5 dissertation committees.

SERVICE ACTIVITIES INTERNAL TO THE UNIVERSITY

Member, Andrew Young School of Policy Studies' Dean Search Committee, 2008-present.

Member, Faculty Recruiting Committee, Econometrics (Assoc/Full Professor), 2008-present.

Chair, Andrew Young School of Policy Studies' Environmental Action Committee, 2008-present.

Member, Andrew Young School of Policy Studies' Advisory Committee for Visiting Faculty program, 2008-present.

Member, Department of Economics Assistant Professor Performance Evaluation Committee, 2008

Member, Department of Economics' Undergraduate Program Committee, 2004-present.

Member, Department of Economics' Educational Policy Committees (Resource/Environmental, Economic Development, Experimental), 2001-present.

Member, GSU Senate Cultural Diversity Committee, 2004-2007.

Member, GSU Senate Administrative and Support Unit Review Committee, 2004-2005.

Member, GSU Senate Cultural Diversity Sub-committee, African-American Male Initiative, 2004-2007.

Member, Search Committee for the Noah Langdale Chaired Professorship in the Department of Economics, 2004-2005

Member, Faculty Recruiting Committee, Environmental Economics (Asst/Assoc Professor), 2007-2008.

Member, Faculty Recruiting Committee, Environmental Economics (Asst/Assoc Professor), 2005-2006.

Member, Faculty Recruiting Committee, Environmental and Experimental Economics (Asst Professor), 2001-2002.

Member, Faculty Recruiting Committee, Environmental and Experimental Economics (Assoc Research Professor), 2001-2002.

Faculty Advisor, GSU Economics Club, 2004-2007.

Faculty Advisor, GSU chapter of the Omicron Delta Epsilon Honors Society, 2004-present.

Coordinator, Department of Economics seminar series scheduling, 2003-present.

Department Liaison, Institutional Review Board protocols, 2007-present.

Department Captain, State Charitable Contributions Campaign, 2003 (97% participation rate)

Proposed and received University support to run a randomized experiment to test the effectiveness of early intervention and strength-based advising in improving undergraduate retention, progression and graduation in the Andrew Young School of Policy Studies, 2006-present.

SERVICE ACTIVITIES IN ACADEMIC AND PROFESSIONAL ORGANIZATIONS

Program Committees

Co-organizer, Symposium *Direct Payments as an Alternative Conservation Investment*, Society for Conservation Biology Annual Meeting, 2002.

Member, Organizing and Host Committee for 2006 International Meetings of the Economic Science Association, 2006.

Co-organizer, Symposium *How Do We Know It's Working? State-of-the-Art in Program Evaluation and Implications for Conservation Science and Policy*. Society for Conservation Biology Annual Meeting, 2006.

Member, Program Advisory Group, Second Annual Environmental Evaluator's Networking Forum, 2007

Chair of Program Sessions

Organizer/Chair, *Experimental Analyses of Inter-Ethnic and Inter-Racial Effects on Economic Behavior*, Southern Economic Association Annual Meeting, 2003.

Organizer/Chair, *Learning and Group Dynamics*, Southern Economic Association Annual Meeting, 2004.

Chair, *Environmental Sociology*, Society for Conservation Biology Annual Meeting, 2006.

Chair, *Corporate Environmental Behavior*, American Agricultural Economics Association, 2007

Chair, *Globally Important Conservation Policy Questions*, University of Cambridge Assessment of 100 Questions of Greatest Importance to Conservation Policy and Practice, 2008

Panelist/Discussant

Discussant, Economic Science Association Annual International Meetings, 2000.

Discussant, *AERE* Workshop Assessing and Managing Environmental and Public Health Risks, 2001.

Discussant, Annual Meetings of the Southern Economics Association, 2001.

Invited Panelist, Workshop on Integrated Ecosystem Management and Incentives for Biodiversity Conservation in Africa, 2002.

Discussant, Southern Economics Association Meetings, 2002.

Discussant, Southern Economic Association Annual Meeting, 2003.

Invited Panelist, National Academy of Sciences and the U. S. National Committee of the International Union of Biological Sciences (IUBS) Workshop on Human Dimensions of Biodiversity, 2003.

Discussant, Workshop on International Financing of Biodiversity Conservation in Developing Countries, 2003.

Discussant, Southern Economic Association Annual Meeting, 2004 (two papers)

Discussant, Conference on Experimental Public Economics, 2005.

Invited Panelist, NIH Fogarty International Cooperative Biodiversity Group (ICBG), 2005.

Invited Panelist, Kinship Conservation Fellows Symposium (Kinship Foundation), 2006.

Invited Panelist, Workshop on Payments for Watershed Services: building on pilot experiences to mainstream a tool for sustainable conservation and development, 2007.

Discussant, American Agricultural Economics Association Annual Meeting, 2007.

Invited panelist, Environmental Protection Agency Expert Panel on Evaluating Partnership Programs, 2008.

Invited Panelist, World Bank Independent Evaluation Group/NORAD Evaluation Department Workshop on Evaluating REDD, 2008.

Referee and Editing

Ad hoc Assigning Editor, *Conservation Biology*; National Science Foundation; National Institute of Health; Global Environment Facility; U.S. Environmental Protection Agency, Office of Program Evaluation; Food and Agriculture Organization; United Nations Environment Program; Blackwell Publishing; Island Press; Palgrave MacMillan Press; Routledge Press; Economy and Environment Program for Southeast Asia; Social Sciences and Humanities Research Council of Canada; Millennium Ecosystem Assessment; United States Department of Agriculture; Conservation International; Echoing Green Foundation; Land and Water Australia; Latin American and Caribbean Environmental Economics Program; Le Fonds Français pour l'Environnement Mondial; South Asian Network for Development and Environmental Economics; World Wildlife Fund Kathryn Fuller Science for Nature Fund Fellowship Program.

Agricultural and Resource Economics Review; Agroforestry Systems; American Economic Review; American Journal of Agricultural Economics; Biodiversity and Conservation; Biological Conservation; Bioscience; Conservation Biology; Conservation Letters; Ecological Economics; Ecology and Society; Economic Inquiry; Economics Bulletin; Environment and Development Economics; Environmental and Resource Economics; Environmental Conservation; Environmental Economics and Policy Studies; Environmental Management; European Review of Agricultural Economics; Experimental Economics; Forest Science; The Geographical Journal; Journal of Environment; Journal of Environmental Management; Journal of Environmental Economics and Management; Journal of Forestry Economics; Journal of Public Economics; Journal of Soil and Water Conservation; Journal of Wildlife Management; Land Economics; Land Use Policy; Natural Resource Modeling; Oryx - The International Journal of Conservation; PLoS Biology; Proceedings of the National Academy of Sciences; Public Finance Review; Resource and Energy Economics; Review of Agricultural Economics; Science; Social Science Quarterly; Society and Natural Resources; Southern Economic Journal; World Development.

MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS

American Agricultural Economics Association, American Association for the Advancement of Science, American Economic Association, Association of Environmental and Resource Economists, Economic Science Association, Northeastern Agricultural and Resource Economics Association, Society for Conservation Biology, Southern Economic Association, Western Economic Association.

LANGUAGES AND INTERNATIONAL EXPERIENCE

Intelligible (but not pretty) French, Malagasy and Spanish. Work Experience: Australia, Costa Rica, Ecuador, Madagascar, Mexico, Tanzania, Ukraine, United States and Zaïre (Congo).

MEDIA

Research profiled by National Public Radio (2002, 2007), *The New York Times* (2006, 2007), *New Scientist* magazine (2005, 2007), *Nature* (2002, 2009), *PLoS Biology*, *Newsday*, *Conservation*, *Ecosystem Marketplace*, *environmentalresearchweb*, *Houston Daily Journal*, *Greenwire* news, The Australian Broadcasting Corporation, *de Volkskrant* (Dutch newspaper), *Vista Verde News – Natur & Tiere*, *SciDev.net*, *International Ecotourism Monthly*, *Environmental Research Web*, *Georgia State Magazine*, *Nachrichten aus der Wissenschaft – Aktuelles aus Forschung und Technik*, *Sustainable Development Update*, *The Signal*, *Tangents*, *WRAS*, and *Radioline*.