

WILLIAM A. MASTERS

Professor of Agricultural Economics
Associate Head, Department of Agricultural Economics
Purdue University

403 W State Street • West Lafayette, IN 47907
phone 765.494.4235 • fax 765.494.9176
wmasters@purdue.edu • www.agecon.purdue.edu/staff/masters

(In electronic versions, click links to external sites or publications, working papers and [presentations](#))

EDUCATION

Stanford University	Ph.D. (1991), M.A. (1986) -- Food Research Institute
Yale University	B.A. (1984) -- Economics and Political Science
Deep Springs College	(1979-1982)

EMPLOYMENT

Purdue University

Professor (since 4/02), *Associate Prof.* (7/96-4/02); *Assistant Prof.* (12/91-7/96)

Associate Head, [Department of Agricultural Economics](#) (since 2/07)

Research focus: Food and agricultural policy, technology and market institutions

Courses taught: [International economic development](#) (undergraduate, 2007-present)

[Agricultural development and policy](#) (graduate, 1996-present)

[Agricultural trade](#) (undergraduate, 2005-06)

[Computational analysis of markets and policy](#) (PhD, 2004-05)

[Agricultural development](#) (undergraduate, 1992-2003)

Columbia University (9/03-8/04)

Visiting Professor, School of International and Public Affairs

Interim Executive Director, Center on Globalization and Sustainable Development

Led diversified social-science research program (8 staff, 20 affiliates)

Instructor/creator of new course on food and agriculture in development

Harvard University (1/2000 – 12/2000)

Visiting Scholar, Center for International Development.

Stanford University (1985-1991)

Graduate Fellow, Teaching and Research Assistant in the Food Research Institute

University of Zimbabwe, Harare, Zimbabwe (1988-1990)

Research Associate and part-time lecturer

International Food Policy Research Institute, Washington DC (1987)

Research Assistant

Mavhudzi Government Secondary School, Nyazura, Zimbabwe (1985)

Teacher, English Department

COLANTA Dairy Cooperative, Medellin, Colombia (1983)

Intern in Technical Assistance Department

Haitian Development Foundation, Port-au-Prince, Haiti (1981)

Intern in Head Office Staff

PROFESSIONAL SERVICE AND HONORARY APPOINTMENTS

Member, International Growth Center (Oxford and London), 2009-present
 Editor, *Agricultural Economics*, 2007-present (with Gerald Shively)
 Board of Trustees, Deep Springs College, 2002-present (chair, Academic Affairs ctee.)
 Advisory Ctee., Partnership to Cut Hunger in Africa (Washington, DC), 2001-present
 Scientific Adviser, International Foundation for Science (Stockholm), 2002-present
 Experts Ctee., Chicago Initiative on Global Agricultural Development, 2008-2009
 Advisory Ctee., Global Entrepreneurship X-Prize (Santa Monica, CA), 2007-2008
 Chair, PhD prelim exams committee (Dept. of Ag. Econ., Purdue), 2005-07
 AAEA awards subcommittee for the Publication of Enduring Quality Award, 2002-2005
 Research Fellow, Global Trade Analysis Project (Purdue University), 1999-2005
 Contributing author for the UN Millennium Ecosystem Assessment, 2002-04
 Member, Network of IFPRI Associates (Washington, DC), 2000-2002

LANGUAGES

Fluent French, some Spanish

PUBLICATIONS**BOOKS**

Distortions to Agricultural Incentives in Africa (2009), with Kym Anderson (eds.).
 Washington DC: The World Bank.
Economics of Agricultural Development (2006), with George Norton and Jeffrey Alwang.
 New York: Routledge ([click here for review in ERAE](#)); 2nd edition to appear 2009.
Government and Agriculture in Zimbabwe (1994). Westport, CT: Praeger.
Better English: A Handbook of Common Errors (1987), with Mia Lewis. Harare,
 Zimbabwe: Longman.

REFEREED JOURNAL ARTICLES (by topic, with links to on-line versions)**Innovation and technological change**

“Beyond the Food Crisis: Trade, Aid and Innovation in African Agriculture” (2008),
African Technology Development Forum, 5(1-2): 3-13.
 “Diffusion and Spillover of New Technology: A Heterogeneous-Agent Model for
 Cassava in West Africa” (2006), with M.E. Johnson and P.V. Preckel, *Agricultural
 Economics*, 35(2), 119-129.
 “Property Rights, Production Technology and Deforestation: Cocoa in Cameroon”
 (2006), with Harounan Kazianga. *Agricultural Economics*, 35(1), 19-26.
 “Paying for Prosperity: How and Why to Invest in Agricultural Research and
 Development in Africa” (2005), *Journal of International Affairs*, 58(2): 35-64.
 “Genetic Improvement and Cocoa Yields in Ghana” (2005), with James Edwin.
Experimental Agriculture, 41(4, Oct.): 491-503.
 “Research Prizes: A New Kind of Incentive for Innovation in African Agriculture”
 (2005), *International Journal of Biotechnology* 7(1/2/3): 195-211.
 “Complementarity and Sequencing of Innovations” (2004), with Michael Johnson.
Economics of Innovation and New Technology, 13(1): 19-31.
 “Research Prizes: A Mechanism to Reward Agricultural Innovation in Low-Income
 Regions” (2003), *AgBioForum* 6(1&2): 71-74.

- “An African Growth Trap: Production Technology and the Time-Consistency of Agricultural Taxation, R&D and Investment” (2003), with Margaret S. McMillan. *Review of Development Economics*, 7(2): 179-191.
- "The experience of resettled farmers in Zimbabwe" (2003), with Sophia Chiremba. *African Studies Quarterly* 7(2-3).
- “Investing in Soils: Field Bunds and Microcatchments in Burkina Faso” (2002), with Harounan Kazianga, *Environment and Development Economics*, 7(3): 571-591.
- "Climate and Scale in Economic Growth" (2001), with Margaret S. McMillan, *Journal of Economic Growth*, 6(3): 167-186.
- “Understanding the Political Economy of Agriculture in the Tropics” (2000), with Margaret S. McMillan, *Amer. Journal of Agricultural Economics*, 82(3): 738-42.
- “Technical change in Senegal’s irrigated rice sector: impact assessment under uncertainty” (2000), with Monica G. Fisher and Mamadou Sidibé, *Agricultural Economics*, 24(2): 179-197
- “Gender and Agricultural Change: Crop-Livestock Interaction in Senegal” (2000), with M.G. Fisher and Rebecca Warner, *Society and Natural Resources*, 13(3): 203-222.
- “Pasture Taxes and Agricultural Intensification in Southern Mali” (1998), with Timothy J. Dalton, *Agricultural Economics*, 19(1-2): 27-32.
- “The Impact of Agricultural Research in Africa: Aggregate and Case Study Evidence” (1998), with Touba Bedingar and James F. Oehmke, *Agricultural Economics* 19(1-2): 81-86.
- “Production Costs and Input Substitution in Zimbabwean Agriculture” (1997) with Timothy J. Dalton and Kenneth A. Foster, *Agricultural Economics* 17 (2-3): 201-209.
- “Returns from Research in Economies with Policy Distortions: Hybrid Sorghum in Sudan” (1995) with Mohamed M. Ahmed and John H. Sanders, *Agricultural Economics* 12: 183-192.

Markets, trade and institutions

- “Introduction to the Special Issue on the World Food Crisis” (2008), with Gerald Shively. *Agricultural Economics* 39(3s): 373-374.
- “How Successful Are Government Interventions in Food Markets? Insights from the Philippine Rice Market” (2007), with Gerald Shively and Richard Yao, *Philippine Journal of Development* 34(1b): 35-59.
- “The Role of Leadership in Democratic Deliberations: Results from a Field Experiment in Sao Tome and Príncipe”(2006), with Macartan Humphreys and Martin Sandbu, *World Politics* 58(4): 583-622.
- “Welfare Gains from Quality Certification of Infant Foods: Results from a Market Experiment in Mali” (2002), with Diakalia Sanogo, *American Journal of Agricultural Economics*, 84(4): 974-989.
- “A Market-Based Approach to Child Nutrition: Mothers’ Demand for Quality Certification of Infant Foods in Bamako, Mali” (2002), with Diakalia Sanogo, *Food Policy*, 27(3): 251-268.
- “Testing the Link between Public Intervention and Food Price Variability: Evidence from Rice Markets in the Philippines” (2002), with Elmer Martinez and Gerald E. Shively, *Pacific Economic Review*, 7(3): 545-554.

- “L’Europe, L’Afrique du Sud, et l’Afrique Australe: Intégration Régionale dans un Contexte Mondial” (2000), with Rob Davies and Thomas W. Hertel, *Revue d’Economie du Développement*, 3: 113-134.
- “The Uruguay Round and Africa: A Global, General Equilibrium Analysis” (1998), with Thomas W. Hertel and Aziz Elbehri, *Journal of African Economies* 7(2): 208-234.
- “Measuring Exchange Rate Misalignment: Inflation Differentials and Domestic Relative Prices” (1998), with Elena Ianchovichina, *World Development* 26(3): 465-77.
- “Spatial Analysis of Maize Market Policy Reform in Zambia” (1997) with Anthony Mwanauo and Paul V. Preckel, *American Journal of Agricultural Economics* 79(2): 514-23.
- "Measuring the Comparative Advantage of Agricultural Activities: Domestic Resource Costs and the Social Cost-Benefit Ratio" (1995) with Alex Winter-Nelson, *American Journal of Agricultural Economics* 77(2): 243-250.
- "Measuring Protection in Agriculture: the Producer Subsidy Equivalent Revisited" (1993), *Oxford Agrarian Studies* 21(2): 133-142.
- "The Scope and Sequence of Grain Market Reform in Zimbabwe" (1993), *Food Research Institute Studies* 22(3): 227-252.
- "Panterritorial versus Regional Pricing for Maize in Zimbabwe" (1993), with Ernst-August Nuppenau, *World Development* 21(10): 1647-1658.
- "Trade Policy and Agriculture: Measuring the Real Exchange Rate in Zimbabwe" (1991), *Quarterly Journal of International Agriculture* 30(1): 21-36.

Book reviews

- Review of [The Bottom Billion](#), by Paul Collier (2009), *American Journal of Agricultural Economics*, forthcoming.
- Review of [Global Warming and Agriculture](#), by William Cline (2008), *Journal of Economic Literature*, 66(2, June): 448-450.
- Review of [Liberaliser l’Agriculture Mondiale?](#) By J.-M. Boussard et al. (2006), *European Review of Agricultural Economics*, 33(3, September): 441-443.
- Review of [Global Crises, Global Solutions](#), edited by Bjørn Lomborg (2005), *Agricultural Economics*, 33(supplement): 529-530.
- Review of [Transforming Agrarian Economies](#) by T.P. Tomich, P. Kilby and B.F. Johnston (1996). *European Review of Agricultural Economics*, 23(3): 373-75.
- Review of [Agricultural Policies in Developing Countries](#) by Frank Ellis (1993). *American Journal of Agricultural Economics*, 75(2): 502-503, 1993.

Chapters in books

- “Agricultural Price Distortion and Stabilization: Stylized Facts and Hypothesis Tests” (with Andres F. Garcia), forthcoming in Kym Anderson (ed.), *Political Economy of Distortions to Agricultural Incentives*. Washington, DC: The World Bank, 2009.
- “Distortions to Agricultural Incentives in Sub-Saharan and North Africa” (with Kym Anderson), in “Distortions to Agricultural Incentives: A Global Perspective, 1955 to 2007.” New York and Washington: Palgrave Macmillan and the World Bank, 2009.
- “Introduction and Summary” (with Kym Anderson), “Cameroon” (with Ernest Bamou) and “Senegal”, in K. Anderson and W.A. Masters, eds., *Distortions to Agricultural Incentives in Africa*. Washington DC: The World Bank, 2009.
- “Food” (contributing author), chapter 8 (pages 209-241), in *Ecosystems and Human Well-Being: Findings of the Millenium Ecosystem Assessment*, edited by Rashid Hassan, Robert Scholes and Neville Ash. Washington: Island Press, 2005.
- “Climate, Agriculture and Economic Development,” chapter 8 (pages 166-83) in *Land Quality, Agricultural Productivity, and Food Security*, edited by K.D. Wiebe. Cheltenham, UK & Northampton MA, USA: Edward Elgar, 2003.
- “Ethnolinguistic Diversity, Government and Growth,” with M. McMillan, ch. 7 (pp. 123-147) in *Welfare, Ethnicity and Altruism*, F. Salter, ed.. London: Frank Cass, 2004.
- “Regionalism in World Food Markets: Implications for Trade and Welfare” (1999) with Thomas W. Hertel and Mark J. Gehlhar, in *Food Security, Diversification and Resource Management: Refocusing the Role of Agriculture*, edited by G.H. Peters and D.D. Hedley. Aldershot, UK: Dartmouth.
- "The Changing Roles of Multilateral and Bilateral Foreign Assistance" (1991), with John W. Mellor, in *Transitions in Development: The Role of Aid and Commercial Flows*, edited by Uma Lele and Ijaz Nabi. San Francisco: ICS Press.

Working papers and non-refereed publications in numbered series

- “Effects and Determinants of Mild Underweight Among Preschool Children Across Countries and Over Time” (2009), with Priya Bhagowalia and Susan Chen. Purdue University Department of Agricultural Economics Working Paper #09-13, October 2009, 25 pages.
- “Accelerating innovation with prize rewards” (2008), with Benoit Delbecq, IFPRI Discussion Paper 835 (December), 44 pages.
- “Linkages between Market Participation and Productivity” (2008), with Ana Rios and Gerald E. Shively. Selected Paper for presentation at the AAEA Annual Meetings, July 2008.
- “Distortions to Agricultural Incentives in Cameroon” (2007), with Ernest Bamou, World Bank Agricultural Distortions Working Paper 41, December (36 pages).
- “Distortions to Agricultural Incentives in Senegal” (2007), World Bank Agricultural Distortions Working Paper 42, December (52 pages).
- "Geographic and Institutional Determinants of Real Income" (2006), with Guiyslain Ngeleza and Raymond Florax, Purdue University Department of Agricultural Economics Working Paper #06-15, December 2006, 34 pages.
- "The Impact of Agricultural Research: A Synthesis of Findings and Policy Implications for the Sahel" (1999), with Touba Bedingar. *Les Monographies Saheliennes* No. 9 (Institut du Sahel, Bamako, Mali), 36 pages.

- “Impact de la Recherche Agricole en Afrique et au Sahel” (1998), *Etudes et recherches sahéliennes/Sahelian Studies and Research* (Institut du Sahel, Bamako), 1(June): 7-8.
- “Technical Change in Senegal’s Irrigated Rice Sector” (1998), with Monica G. Fisher and Mamadou Sidibé, *Etudes et recherches sahéliennes/Sahelian Studies and Research* (Institut du Sahel, Bamako, Mali), no. 1 (June): 21-32.
- “Returns to Rice Technology Development in Sierra Leone” (1998), with James Edwin, *Etudes et recherches sahéliennes/Sahelian Studies and Research* (Institut du Sahel, Bamako, Mali), no. 1 (June): 67-74.
- “Agricultural Technology Development and Transfer in Africa” (1997), with James F. Oehmke and P. Anandajayasekeram, Sustainable Development Technical Paper No. 77 (November). Washington, DC: USAID (56 pages).
- “Measuring the Economic Efficiency of Agricultural Activities in Developing Countries: Domestic Resource Costs and the Social Cost-Benefit Ratio,” with Alex Winter-Nelson, IAAE Occasional Papers No. 7, pp. 395-404, 1997.
- “Second Annual Report of Farm Management Data for Communal Area Farm Units, 1990/91 Farming Season” (1991), with G. Mutangadura, T. Chamboko, L. Sibanda, C. Dzama, and E.A. Attwood. Harare: Government of Zimbabwe, Ministry of Lands, Agriculture and Rural Resettlement (68 pages).
- “First Annual Report of Farm Management Data for Communal Area Farm Units, 1989/90 Farming Season” (1990), with A. Phiri, G. Mutangadura, T. Chamboko, and E.A. Attwood. Harare: Government of Zimbabwe, Ministry of Lands, Agriculture and Rural Resettlement (85 pages).
- “The Value of Foreign Exchange in Zimbabwe” (1990). Working Paper AEE 1/90. Harare: Univ. of Zimbabwe, Dept. of Ag. Economics and Extension (46 pages).
- “The Policy Analysis Matrix in Zimbabwe: A Methodological Introduction” (1989). Working Paper AEE 6/89. Harare: U. of Zimbabwe, Dept. of Ag.Ec.& Ext. (45 p.).

Teaching material

- Market Failure: An Example From Africa* (2005), a 20-minute video on quality information for infant foods.
- The Economic Impact of Agricultural Research: A Practical Guide* (2002), with spreadsheet exercises; also available in French.
- Guidelines on National Comparative Advantage and Agricultural Trade* (1995), APAP Methods and Guidelines Series 40001. Bethesda, MD: Abt Associates (74 pages).
- Hands-On Econ* (an interactive web-based environment for applied microeconomics)
- I-TRADE* (a face-to-face world-market simulation exercise for classroom use)

Extension and outreach publications

- “Ateliers INSAH-Purdue sur l’impact économique de la recherche agricole au Sahel » (CD-ROM, September 2002). www.agecon.purdue.edu/staff/masters/impact.
- “Global Trade Analysis for Southern Africa” (2000), *Southern Africa Update* 7(September), 4 pages. Published with *Trade and Industry Monitor* 15(September). Johannesburg: TIPS. Also published as EAGER Policy Brief 35 (January 2001).
- “Europe, South Africa and Southern Africa: Regional Integration in a Global Context” (2000). African Economic Policy Discussion Paper 30. Washington, DC: EAGER.
- “The Uruguay Round: Impact on Africa” (1999). EAGER Policy Brief No. 20 (4 pages).
- “International Trade”, in “Food System 21” (1998), with P. Abbott, T. Hertel, P.

- Paarlberg and W. Tyner, *Purdue Agricultural Economics Report* (May): pp. 1-3.
- "The Returns to Irrigated Cultivar Development in Senegal" (1998). WARDA Ex-Ante Impact Assessment Research Brief No. 1 (2 pages).
- "Adoption et Impact des Technologies Agricoles: Modelisation en GAMS" (1998), with Jeffrey D. Vitale, Bamako, Mali: Institut du Sahel (53 pages plus diskette).
- "Impact Assessment of African Agricultural Technology Development and Transfer: Synthesis of Findings" (1997), USAID Policy Synthesis 28 (4 pages).
- "Dynamic Comparative Advantage of Sorghum and Millets in Zimbabwe" (1990). Consultant's Report to the SADCC/ICRISAT Sorghum and Millet Improvement Program. Bulawayo, Zimbabwe: SADCC/ICRISAT (202 pages).
- "Regional Price Differences for Maize in Zimbabwe: A District-Level Analysis" (1990), with E.-A. Nuppenau. Background Paper for the World Bank's Zimbabwe Agricultural Sector Memorandum. Harare: The World Bank (81 pages).
- "Agricultural Marketing and Pricing in Zimbabwe" (1990), with A. Duncan, J. Gray, and R. Pearce. Background paper for the World Bank Agriculture Sector Memorandum. Oxford: Food Studies Group (179 pages).

GRANTS AND CONSULTANCIES

Principal investigator or co-PI on over \$3 million in grants and projects from:

International Growth Center: Quality Certification of Infant Foods	(2009-)
NBER Africa Project: Demographic Pressure and Institutional Change	(2008-)
USDA: Graduate Fellowships in Agricultural Trade Policy	(2006-)
World Bank: Political Economy of Agricultural Distortions	(2007-09)
World Bank: Distortions to Agricultural Incentives in Africa	(2006-08)
IFPRI: Using Prize Rewards to Accelerate Innovation in African Agriculture	(2006-08)
USAID: External Evaluation of the Forum for Agricultural Research in Africa	(2006)
USAID: Rural and Agricultural Incomes with a Sustainable Environment-Plus	(2005-08)
Adelson Family Foundation: Supporting Prizes for Agricultural Innovation	(2004-06)
USAID: Biotechnology and Policy Change in West and Central Africa	(2004-05)
USDA: Sources of Global Agricultural Productivity Growth	(2004-05)
IITA: Impact of Cocoa Marketing and Trade Innovations in Africa	(2002-04)
USAID: Impact of Agricultural Technology in West and Central Africa	(1993-04)
ASARECA: Mid-Term Review of ECAPAPA policy-analysis network	(2001)
USAID: Modeling Electricity Trade in Southern Africa	(1998-01)
IFPRI: Market Reform and Agricultural Productivity in Malawi and Benin	(1998-00)
USAID: Equity and Growth through Economic Research (EAGER)	(1995-00)
UN Economic Commission for Africa: Global Trade Analysis	(1997-98)
U.S. Dept. of Education: Building Agribusiness Capacity	(1996-98)
USAID: Zimbabwe Grain Market Reform Research Project	(1994-96)
USAID: Agricultural Policy Analysis Project (APAP III)	(1994)
Purdue University: Global Initiative Faculty Grant for Teaching (twice)	(1992, 1993)
USAID/Zimbabwe: Consultancy on Grain Market Reform	(1992)
World Bank: Consultancy on Agricultural Pricing in Zimbabwe	(1991)
Rockefeller Foundation: Research Fellowship	(1990)
ICRISAT: Consultancy on Sorghum and Millets in Zimbabwe	(1989)

PROFESSIONAL AWARDS, ASSOCIATIONS AND ACTIVITIES

Recipient of a Harry S. Truman Scholarship, Stanford Graduate Fellowship, Fulbright dissertation research grant and other awards.

Recipient of Purdue University's Gamma Sigma Delta Research Award of Merit (2007)

Member of the American Agricultural Economics Association, American Economics Association, International Association of Agricultural Economists.

Reviewer for articles submitted to *American Economic Review*, *American Journal of Agricultural Economics*, *BE Journals in Macroeconomics*, *Economic Development and Cultural Change*, *Food Policy*, *Journal of African Economies*, *Journal of Development Studies*, *Journal of Economic Growth*, *World Development* and other journals; reviewer for books published by the World Bank, IFPRI, and commercial presses; reviewer for grant proposals to NSF.

SHORT COURSES TAUGHT

Principles of Economics and *Economics of Development* (half-semester courses at Deep Springs College, June-July 1998 and 2002).

Impact économique de la recherche agricole (one or two-week workshops in Bamako 1994 & 1995; Niamey 1996, Ouagadougou 1997 & 1998, Praia 2000, Dakar 2002).

African short course in global trade analysis (one week, Johannesburg, S.Africa 1998)

Impact de la recherche en Afrique (all-day seminar, ENSA-Rennes, France 1999)

RECENT PANELS AND CONFERENCES ORGANIZED

"New Data Sources for Research in Agricultural Development," IAAE organized symposium at the annual meeting of the AAEA, 27 July 2009.

"Effects of Food Price Spikes on Dietary Quality," FCN section panel at the annual meeting of the AAEA, 27 July 2009.

"Workshop on Innovation in the Life Sciences," The Earth Institute at Columbia University, 20-21 May 2004.

"State of the Planet 2004—Panel on Food Supply," The Earth Institute at Columbia University, 30 March 2004.

"Escaping the Resource Curse in Developing Countries," The Earth Institute at Columbia University, 26 February 2004.

"Agriculture and Economywide Growth," panel sponsored by the American Economics Association at the ASSA meetings in New Orleans, 5-7 January 2001.

"Can the Tropics Catch Up?" panel sponsored by the American Agricultural Economics Association at the ASSA meetings in Boston, 7-9 January 2000.

RECENT SEMINARS AND PRESENTATIONS

Incentives for New Technology (African Economic Conference, Addis 11/13/09) [[slides](#)]

Food for the Future (ADA Food & Nutrition Conference, Denver 10/20/09) [[slides](#)]

Trends in Agricultural Protection (IAAE Conference, Beijing 8/19/09) [[paper](#)]

Political Economy of Agricultural Policy (GTAP Conference, Santiago 6/11/09 [[slides](#)])

Africa's Turn: From Crisis to Opportunity (IAD Conference, Cornell 4/1/09) [[paper](#)]

Africa's Turn: Windows of Opportunity (CSAE Plenary, Oxford 3/22/09) [[slides](#)]

Geography and Economic Transition (CSAE Conference, Oxford 3/23/09 [[slides](#)])

The World Food Crisis of 2007-08 (Friedman Symposium, Boston 9/25/08) [[webcast](#)]

Explaining Food & Agricultural Policy (Friedman Sem., Tufts Univ. 9/24/08) [[webcast](#)]

RECENT SEMINARS AND PRESENTATIONS (continued)

The World Food Crisis of 2007-08 (Columbia University, New York 9/16/08) [[video](#)]
 Political Economy of Agricultural Distortions (World Bank, Washington 5/23/08) [[slides](#)]
 Accelerating innovation with prizes (IFPRI conference, Addis 4/8/08) [[slides](#)]
 Agricultural trade policy in Africa (FAO Headquarters, Rome 12/10/07) [[slides](#)]
 Accelerating innovation with prize rewards (Research workshop, Lisbon 11/13/07) [[slides](#)]
 Innovative Finance for Agricultural R&D (UN ESA, New York NY 10/18/07) [[slides](#)]
 Incentives for Innovation in African Agriculture (AAAE, Accra, Ghana 8/20/07) [[slides](#)]
 Distortions to Agricultural Incentives in Africa (AAEA, Portland OR 7/31/07) [[slides](#)]
 Incentives for Innovation (J. Lanjouw Memorial Conf., UC Berkeley 3/31/07) [[slides](#)]
 Agricultural Productivity and Real Income (NC-1034, Berkeley 3/30/07) [[slides](#)]
 Distortions to Agric. Incentives in Africa (CSAE conf., Oxford UK 3/20/07) [[slides](#)]
 Trade Policy for Food and Ag. in E. & S. Africa (FAO, Rome, Italy 3/1/07) [[slides](#)]
 Incentives for Innovation to Reduce Poverty (X Prize Foundation, Los Angeles 2/20/07)
 Distortions to Agricultural Incentives in Africa (Bellagio, Italy 11/14/06)
 Rural Poverty Reduction in Nigeria (Northwestern Univ., Evanston IL, 11/2/06)
 The Political Economy of Agriculture (World Bank, Washington, 10/16/06)
 Innovation for Poverty Reduction (CropLife Conference, Geneva, 2/22/06)
 Using Prizes to Reward Technology Adoption (IFPRI, Washington, 9/28-29/05)
 Research and Development (CropLife Annual Conference, Brussels, Belgium 6/2/05)
 Prizes for Innovation in African Agriculture (The World Bank, Washington, 4/29/05)
 Trade and Poverty in Rural Africa (Woodrow Wilson Center, Washington, 4/15/05)
 Scaling up R&D in African agriculture (USAID, Washington 3/10/05)
 Biotechnology in agriculture (Swiss Institute of Technology (ETH), Zurich, 3/12/04)
 NC-1003 conference on agricultural research (Danforth Center, St. Louis MO, 3/5-6/04)
 Rutgers University (Department of Agricultural Economics, New Brunswick, 10/17/03)
 Columbia University (development economics seminar series, New York, 9/30/03)
 American Agricultural Economics Association annual meeting (Montreal, 7/27-30/03)
 Intl. Conference on Agricultural Biotechnology (Ravello, Italy, 6/9-7/3/03)
 International Industrial Organization Conference panel (Boston, MA 4/4-5/2003)
 NC-1003 conference on agricultural research (Rutgers, NY, 2/28-3/1/2003)
 Univ. of Illinois, Urbana-Champaign (*Global Connect* lecture, 10/3/02)
 USAID/CRSP conference on impacts of agricultural research (Washington DC, 9/12/02)
 Second World Congress of Env. and Resource Economists (Monterey CA, 6/24/02)
 INSAH workshop on impacts of agricultural research (Dakar, Senegal, 7/22-26/02)
 CORAF workshop on impacts of agricultural research (Dakar, Senegal, 4/28/02)
 USAID seminar on impacts of agricultural research (Washington DC, 4/25/02)
 FARA seminar and plenary meeting (Maputo, Mozambique, 3/19/02)
 NC-1003 conference on agricultural research (Washington DC, 3/14/02)
 IFPRI seminar (Washington DC, 1/23/02)
 ISPE Conference on Public Finance in Development (Cornell Univ., 9/8/01)
 Tufts Univ., School of Nutrition seminar (2/27/01)
 SPAAR/FARA seminar and plenary meeting (Addis Ababa, Ethiopia, 4/3/01)
 NC-208 conference on agricultural research (Berkeley, CA, 3/31/01)
 ASSA meetings panel sponsored by the AEA (New Orleans, 1/3/01)
 Harvard Univ., Center for International Development conference (10/17/00)
 BIFAD meeting on agricultural development and trade (Washington DC, 9/28/00)