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Last updated: November 1, 2011

Education:

University of Maryland, Ph.D. in Economics, 1992.

University of Dar es Salaam (Tanzania), M.A. in Economics, 1981, Fulbright-Hays scholar.

Swarthmore College, B.A. in History (Distinction), 1979. Phi Beta Kappa.

Professional Experience:

- 2001- **Senior Policy Fellow**
Public Policy Institute of California (PPIC), San Francisco, CA.
Earlier positions held: Director of Research (2008-2010), Associate Director of Research (2007-2008), Research Fellow (2001-2006)
Research and policy outreach on California and western U.S. water policy, land use, climate change, transportation, and public investment policies.
- 1992 - 2001 **Research Economist, Team Leader**
CIRAD (Center for Cooperation in International Research for Agricultural Development), Paris, France.
Research on the economics of agricultural innovation; sources of competitiveness and productivity growth in tropical agricultural commodities; information needs and monitoring systems in liberalized agricultural supply chains. Graduate level and professional training courses on techniques for agricultural supply chain analysis and data collection and analysis.
- 1989-90 **Dissertation Research Fellow**
Brookings Institution, Economic Studies Program, Washington, DC, USA.
- 1988-89 **Staff Economist**
Council of Economic Advisers, Executive Offices of the President, Washington, DC, USA.
Trade and foreign investment policy analysis.

- 1982-88 **Consulting Economist**
The World Bank, Washington, DC, USA. East Africa Projects Dept. (1982-83),
Development Research Dept. (1983-86), Country Economics Dept. (1986-88).
Analysis of agricultural policy and foreign assistance.
- 1980-82 **Research Associate**
Economic Research Bureau, University of Dar es Salaam, Tanzania.
Agricultural policy and project evaluation.
- 1979 **Research Assistant**
Mathematica Policy Research, Inc., Princeton, NJ, USA.
- 1977-79 **Research Assistant**
Dept. of Political Science, Swarthmore College, USA.
Analysis of food aid impact.
- 1977 **Intern** (summer)
Agency for International Development, Washington, DC, USA. Office of
International Assistance

Publications:

Books and Monographs

- 1) *Managing California's Water: From Conflict to Reconciliation* (with J. Lund, A. Dinar, B. Gray, R. Howitt, J. Mount, P. Moyle, and B. Thompson). Public Policy Institute of California, February 2011.
- 2) *Comparing Futures for the Sacramento-San Joaquin Delta*, (with J. Lund, W. Fleenor, W. Bennett, R. Howitt, J. Mount, and P. Moyle), University of California Press and Public Policy Institute of California, February 2010. (July 2008 version available as an online monograph at www.ppic.org, July 2008).
- 3) *Envisioning Futures for the Sacramento-San Joaquin Delta*, (with J. Lund, W. Fleenor, R. Howitt, J. Mount, and P. Moyle), Public Policy Institute of California, February 2007.
- 4) *Water for Growth: California's New Frontier*, Public Policy Institute of California, July 2005.
- 5) *California 2025: Taking on the Future*, editor (with M. Baldassare), Public Policy Institute of California, June 2005.
- 6) *Who Should Be Allowed to Sell Water in California? Third-Party Issues and the Water Market*. Public Policy Institute of California, 2003.
- 7) *Food Safety Management in Developing Countries*, (scientific editor, with E. Boutrif, P. Fabre, M. Pineiro), proceedings of an international workshop (Montpellier, France, 11-13 December 2000), Montpellier: CIRAD and FAO: CD-Rom, 2002.

- 8) *Les champs du cacao : Un défi de compétitivité Afrique-Asie* (with P. Petithuguenin and J. Richard). Paris : Editions Karthala-Cirad, 2000. (Fields of Cocoa : An Africa-Asia Competitiveness Arena)
- 9) *L'arachide au Sénégal : Un moteur en panne* (with C. Freud, J. Richard, P. Thenevin). Paris: Editions Karthala-Cirad, 1997. (Groundnuts in Senegal: A Stalled Engine)
- 10) *Agricultural Research and Innovation in Tropical Africa* (with P.M. Bosc). Montpellier: Cirad publications, "Repères" collection, 1995 (French edition also available).

Journal Articles

- 1) "Preparing California for a Changing Climate." *Climatic Change* (forthcoming, online version Oct 11, 2011) (editorial for special issue, with L. Bedsworth)
- 2) "Adapting California's Water Management to Climate Change." *Climatic Change* (forthcoming, online version Oct 5, 2011) (with J. Lund)
- 3) "California Coastal Management with a Changing Climate." *Climatic Change* (forthcoming, online version Oct 29, 2011) (with G. Moreno).
- 4) "Economic Costs and Adaptations for Alternative Regulations of California's Sacramento–San Joaquin Delta." *San Francisco Estuary and Watershed Science* (forthcoming in 2011) (with S. Tanaka, C. Buck, K. Madani, J. Medellin-Azuara, and J. Lund)
- 5) "Climate Change and Housing Prices: Hedonic Estimates for Ski Resorts in Western North America," *Land Economics* Vol 87(1) (with V. Butsic and R. Valletta).
- 6) "Adaptation to Climate Change – A Review of Challenges and Tradeoffs in Six Sectors," *Journal of the American Planning Association*, Vol. 76(4) (with L. Bedsworth).
- 7) "Show Me the Water Plan: Urban Water Management Plans and California's Water Supply Adequacy Laws." *Golden Gate University Environmental Law Review*, Vol 4(1).
- 8) "Myths of California Water: Implications and Reality," *West-Northwest Journal of Environmental Law and Policy*, Vol. 16 (1), Winter 2010 (with J. Lund, A. Dinar, B. Gray, R. Howitt, J. Mount, P. Moyle, B. Thompson).
- 9) "State Infrastructure Spending and the Federal Stimulus Package," *National Tax Journal*, Vol. LXII (3), September 2009.
- 10) "Is Water Policy Limiting Residential Growth? Evidence from California," *Land Economics*, Vol. 84(1), 2008.
- 11) "Finding Water for Growth: New Sources, New Tools, New Challenges," *Journal of the American Water Resources Association*, Vol. 43(4), 2007.
- 12) "Wet Growth: Effects of Water Policies on Land Use in the American West," (with A. Chen), *Journal of Regional Science*, Vol. 47(1), 2007.

- 13) "Lawns and Water Demand in California," (with M. Davis), *California Economic Policy*, Vol. 2(2), Public Policy Institute of California, July 2006.
- 14) "Linking Housing Growth to Water Supply: New Planning Frontiers in the American West," (with M. K. Browne), *Journal of the American Planning Association*, Vol. 72(2), Spring 2006.
- 15) "Incremental Water Market Development: The California Water Sector 1985-2004" (with R. Howitt), *Canadian Water Resources Journal*, Vol. 30(1), 2005.
- 16) "Stopping the Drain: Third Party Responses to California's Water Market," *Contemporary Economic Policy*, Vol. 23(1), 2005.
- 17) "Counties Wrestling Control: Local Responses to California's Statewide Water Market," (with C. Dyckman) *Univ. of Denver Water Law Review*, Vol. 6(2), 2003.
- 18) "Les cafés Robusta africains: peuvent-ils encore être compétitifs ?" (with C. Freud). *Cahier d'Etudes Africaines*, Vol. XXXIV-4, No. 136: 597-611 (Dec. 1994). (Can African robusta coffee remain competitive?)
- 19) "A Service-Based Theory of Retail Banking." *Managerial and Decision Economics*, Vol. 13, No. 3, June, 1992.
- 20) "African Agricultural Strategies: Nordic Development Aid and Research at a Crossroads" (with M. Loft). Scandinavian Institute for African Studies, *Current African Issues*, No. 3, 1983.
- 21) "Peasants as Patriots: The Tanzanian State's View of Agriculture's Role in Modernization." *Den Ny Verden* Vol. 17, No. 1, Centre for Development Research, Copenhagen, 1983 (in Danish).

Book Chapters and Proceedings

- 1) "California's Water Market: Lessons from the Field." In Hansjuergens, B., Antes R., Strunz M. (eds), *Permit Trading in Different Applications*. London: Routledge, 2011.
- 2) "Defining Roles of Different Levels of Government on Climate Change: The Case of California." In G. Basile, J. Hershauer, and S. McNall (eds.), *Sustainable Business Practices: Challenges, Opportunities, and Practices, Volume III: The Road to Sustainability: Choices Made and Good Practices*. Praeger Press, 2011.
- 3) "New Frontiers for Water Management: The California Experience," in J. Maestu (ed.) *Global Water Crisis: How Can Water Trading Be Part of the Solution?* Earthscan Press (forthcoming in 2011).
- 4) "Sizing Up the Challenge: California's Infrastructure Needs and Tradeoffs" (with Elisa Barbour). In Ellen Hanak and Mark Baldassare (eds.) *California 2025: Taking on the Future*, Public Policy Institute of California, June 2005.

- 5) "Making Better Sense of the Numbers on Developing Country Agriculture." In G. Peters and P. Pingali (eds.) *Tomorrow's Agriculture: Incentives, Institutions, Infrastructure and Innovations*. Hants, UK: Ashgate, 2001.
- 6) "Post-Production Activities in a Sub-Sector Perspective." Proceedings of the GASGA Executive Seminar No 11, Natural Resources Institute, Chatham, United Kingdom, June 1999.
- 7) "Foodstuffs of Last Resort or Generators of Rural-Urban Growth Linkages? Prospects and Challenges for Millet and Sorghum Development in West and Central Africa," In L. Bacci and F-N. Reyniers (eds.), *The Future of Photoperiodical Cereals for Sustainable Production in the Semi-Arid Tropics of Africa*. CESIA/ CIRAD, 1998.
- 8) "Resource Management Research in Semi-Arid West Africa: Challenges and New Opportunities," (with N. van Duivenbooden, L. Cisse and A. Bationo). In G. Renard et al. (eds.), *Soil Fertility Management in West African Land Use Systems*. Weikersheim, Germany: Margraf Verlag, 1998.
- 9) "Agricultural Research and Innovation in West and Central Africa: Insights from a Filière Approach" (with P.M. Bosc). In F. Heidhuis and A. Fadani (eds.), *Food Security and Innovations: Successes and Lessons Learned*. Frankfurt: Peter Lang, 1997.
- 10) "The Diffusion and Impact of Cocoa Research Themes in Côte d'Ivoire and Ghana," (with P. Petithuguenin and J. Richard). In *Proceedings of the 12th International Cocoa Research Conference*, Salvador-Bahia, Brazil, 17-23 Nov. 1996. Cocoa Producers Alliance, Lagos, Nigeria, 1997.
- 11) "Devaluation and Liberalization as Tools for Enhancing Competitiveness? Some Insights from the Recent West African Experience in Cocoa Marketing" (with C. Freud). In *Proceedings of the 12th International Cocoa Research Conference* (Salvador-Bahia, Brazil, 17-23 Nov. 1996). Cocoa Producers Alliance, Lagos, Nigeria, 1997.
- 12) "Agricultural Innovation in the Cotton Zone of Francophone West and Central Africa" (with P.M. Bosc). In B.T. Kang et al. (eds.), *Moist Savannas of Africa: Potentials and Constraints for Crop Production*, Ibadan: International Institute for Tropical Agriculture (IITA) with the FAO, 1995.
- 13) "La PAC Americana? The Repercussions of Agricultural Policies at the International Level" (with I. Marty). In M. Benoit-Cattin et al. (eds.), *Economics of Agricultural Policies in Developing Countries*. Paris: Revue Française d'Economie, 1996 (French edition also available).
- 14) "World Trade and Economic Growth" (with H. Lapan). In *Economic Report of the President*. Washington, DC: U.S. Government Printing Office, January 1989.
- 15) "Danish Aid to Kenya and Tanzania: Its Contribution to Agricultural Development, 1962-1985" (with M. Loft). In U. Lele (ed.), *Aid to African Agriculture: Lessons from Two Decades of Donors' Experience*. Baltimore: Johns Hopkins Press for the World Bank, 1991.

- 16) "National Economic Crisis and the Formulation of Research Priorities." In P. Anandajayasekaram et al. (eds.), *The Proceedings of the Conference on Farming Systems Research in Tanzania*. University of Dar es Salaam, Faculty of Agriculture, 1981.

Working Papers and Manuscripts

- 1) "Managing California's Water: Insights from Interviews with Water Policy Experts," (with S.Null, E. Bartolomeo, J. Lund), manuscript under review
- 2) "Climate Policy at the Local Level – The California Experience," (with L. Bedsworth), manuscript under review.
- 3) "Decentralized Growth Planning: Evaluating Water Utility Performance," manuscript, September 2009.
- 4) "Building Behind Levees: Public Policy and Housing Prices in the Flood Zone," manuscript, December 2007.

Popular Press and Book Reviews

- 1) "Boldly Approach the Delta's Future," *California WaterBlog* (californiawaterblog.com), Oct. 19, 2011 (with J. Lund).
- 2) "Adaptive Management Means Never Having to Say You're Sorry," *California WaterBlog* (californiawaterblog.com), July 21, 2011 (with J. Lund, B. Gray).
- 3) "Conserving Ag Water Isn't a Quick or Easy Fix," *Sacramento Bee*, July 16, 2011 (with R. Howitt and A. Dinar).
- 4) "Managing for Multiple Stressors in the Delta," *California WaterBlog* (californiawaterblog.com), July 7, 2011 (with J.Lund, P. Moyle, J. Mount, B. Gray, B. Thompson).
- 5) "No Going Back for the Delta, But Which Way Forward?" *California WaterBlog* (californiawaterblog.com), June 22, 2011 (with J. Lund, P. Moyle, J. Mount)
- 6) "Stressed Out – Dealing with the Delta's Non-Native Landscape," *California WaterBlog* (californiawaterblog.com), April 6, 2011 (with J. Lund, P. Moyle, J. Mount)
- 7) "Taking Agricultural Conservation Seriously," *California WaterBlog* (californiawaterblog.com), March 15, 2011 (with J. Lund, R. Howitt, A. Dinar, B. Gray, J. Mount, P. Moyle, B. Thompson).
- 8) "Moving Beyond Myth in California Water," *California County*. March/April 2010 (with J. Lund).
- 9) "Dispelling California's Water Myths," *San Francisco Chronicle*, Dec. 14, 2009 (with J. Lund and B. Gray).

- 10) "Adapter la gestion de l'eau au changement climatique en Californie," *Liaison Energie-Francophonie*, Vol. 85, November 2009 (with J. Lund). (Adapting Water Management to Climate Change in California).
- 11) "Daunting Task, but Delta Issues Manageable," *Sacramento Bee*, August 23, 2009 (with J. Lund and P. Moyle).
- 12) "Fixing the Delta is Critical," *San Diego Union-Tribune*, June 19, 2009 (with J. Lund).
- 13) "Replumb the State to Save the Fish – and Us," *San Francisco Chronicle*, April 12, 2009 (with J. Lund).
- 14) "Regional Variation in the Potential Economic Effects of Climate Change," Economic Letter, Federal Reserve Bank of San Francisco, August 2008 (with V. Butsic and R. Valletta)
- 15) "Delta Blues: What Troubles in the Delta Mean for California," *Western City Magazine*, October 2007.
- 16) "Rehabilitating the 800-pound Gorilla," (a review of Steven Erie's *Beyond Chinatown*, Stanford University Press), *Public Administration*, March/April 2007.
- 17) "California's Emerging Water Market: Should Counties Play a Role?" *California County*, Vol. 19(5) 2003.
- 18) "Céréales secondaires: évolutions sur le marché mondial en 2000/01." *Marchés Tropicaux et Méditerranéens*, Feb. 2000. (World Market Conditions for Coarse Grains in 2000/01)
- 19) "Perspectives du marché des céréales secondaires en Afrique." *Marchés Tropicaux et Méditerranéens*, June 2000 (Special issue). (Perspectives on the market for coarse grains in Africa).
- 20) "Au Burkina Faso, les céréales traditionnelles pourraient aussi être des cultures de rente." *Agriculture et Développement*, 1999 (Dec.) (Traditional grains have the potential to become cash crops in Burkina Faso).
- 21) "Production et commerce des cultures alimentaires en Afrique de l'Ouest" (with P. Fabre). *Marchés Tropicaux et Méditerranéens*, Nov. 1999 (Special issue). (Output and trade of food crops in West Africa).
- 22) "Le marché des cultures alimentaires en Afrique" (with P. Fabre). *Marchés Tropicaux et Méditerranéens*, Sept. 1998 (Food crop markets in Africa).
- 23) "Malgré la dévaluation et la libéralisation, les producteurs africains de cacao profitent moins du marché que les planteurs indonésiens" (with C. Freud). *Afrique Agriculture*, Sept. 1997. (In spite of devaluation and liberalization measures, African cocoa producers benefit less from the market than their Indonesian counterparts).
- 24) "La crise de l'arachide au Sénégal" (with C. Freud, J. Richard, and P. Thenevin). *OCL* (Oléagineux, Corps Gras, Lipides), Feb. and April 1997 (article in 2 parts) (The groundnut crisis in Senegal).

- 25) "Elements de réflexion sur la stratégie [de politique agricole] proposée par la Banque mondiale" (with C. Freud and M. de Lattre). *Notes et Documents*, CIRAD, No. 16, 1993. (Reflections on the World Bank's agricultural policy strategy).

Research and Consultancy Reports

For the Public Policy Institute of California:

- 1) *Driving Change: Reducing Vehicle Miles Traveled in California*, February 2011 (with L. Bedsworth and J. Kolko).
- 2) *Views from the Street: Linking Transportation and Land Use*, February 2011 (with L. Bedsworth and E. Stryjewski).
- 3) *Managing California's Water: Insights from Interviews with Water Policy Experts*, February 2011 (with S. Null, E. Bartolomeo, and J. Lund).
- 4) *California Water Myths*, Public Policy Institute of California, December 2009 (with J. Lund, A. Dinar, B. Gray, R. Howitt, J. Mount, P. Moyle, B. Thompson).
- 5) *California Water*, in *California 2025: Planning for a Better Future*, Public Policy Institute of California, July 2009 (updated in 2010 and 2011).
- 6) *California Climate Change*, in *California 2025: Planning for a Better Future*, Public Policy Institute of California, July 2009 (with L. Bedsworth). (updated in 2010 and 2011)
- 7) *California Transportation*, in *California 2025: Planning for a Better Future* Public Policy Institute of California, July 2009 (with L. Bedsworth). (updated in 2010)
- 8) *Paying for Infrastructure: California's Choices*, At Issue series, Public Policy Institute of California, January 2009.
- 9) *Preparing California for a Changing Climate*, Public Policy Institute of California, November, 2008 (with L. Bedsworth).
- 10) *Adapting California's Water Management to Climate Change*, Public Policy Institute of California, November 2008 (with J. Lund).
- 11) *California Coastal Management with a Changing Climate*, Public Policy Institute of California, November 2008 (with G. Moreno).
- 12) *Climate Policy at the Local Level: A Survey of California's Cities and Counties*, Public Policy Institute of California, November 2008 (with L. Bedsworth, S. Swanbeck, and J. Malaczynski).
- 13) *Financing Infrastructure*, Just the Facts series, Public Policy Institute of California, September 2008.

- 14) *Flood Control*, Just the Facts series, Public Policy Institute of California, September 2008.
- 15) *Transportation Systems*, Just the Facts series, Public Policy Institute of California, September 2008.
- 16) *Water Supply and Quality*, Just the Facts series, Public Policy Institute of California, September 2008.
- 17) *Policy and Regulatory Challenges for the Delta of the Future*, Technical Appendix A to *Comparing Futures for the Sacramento-San Joaquin Delta*, Public Policy Institute of California, August 2008 (with J. Lund).
- 18) *Delta Hydrodynamics and Water Salinity with Future Conditions*, Technical Appendix C to *Comparing Futures for the Sacramento-San Joaquin Delta*, Public Policy Institute of California, July 2008 (with W. Fleenor, J. Lund, and J. Mount).
- 19) *Expert Survey on the Viability of Delta Fish Populations*, Technical Appendix E to *Comparing Futures for the Sacramento-San Joaquin Delta*, Public Policy Institute of California, August 2008 (with W. Bennett, J. Lund, and P. Moyle).
- 20) *Economic Costs and Adaptations for Alternative Delta Regulations*, Technical Appendix F to *Comparing Futures for the Sacramento-San Joaquin Delta*, Public Policy Institute of California, July 2008 (with S. Tanaka, C. Connell, K. Madani, J. Lund, and J. Medellin-Azuara).
- 21) *Economic Effects on Agriculture of Water Export Salinity South of the Delta*, Technical Appendix I to *Comparing Futures for the Sacramento-San Joaquin Delta*, Public Policy Institute of California, August 2008 (with J. Medellin-Azuara, R. Howitt, and J. Lund).
- 22) *Decision Analysis of Delta Strategies*, Technical Appendix I to *Comparing Futures for the Sacramento-San Joaquin Delta*, Public Policy Institute of California, August 2008 (with J. Lund, W. Fleenor, W. Bennett, R. Howitt, J. Mount, and P. Moyle).
- 23) *Sizing Up the Challenge: California's Infrastructure Needs* (with E. Barbour), Occasional paper, Public Policy Institute of California, April 2005.
- 24) *Water Supply and Growth in California: A Survey of City and County Land-Use Planners* (with A. Simeti), Occasional Paper, Public Policy Institute of California, March 2004.
- 25) *California's Water Market, By the Numbers*, Occasional Paper, Public Policy Institute of California, October 2003.

For the Keston Infrastructure Institute, University of Southern California

- 26) *Funding Innovations for California Infrastructure: Promises and Pitfalls* (with K. Rueben), USC- Keston Institute for Infrastructure, Research paper 06-01, March 2006.

For PRASAC (Pôle régional de recherche appliquée au développement des savanes d'Afrique centrale):

- 27) "Le marché céréalier et la sécurité alimentaire dans l'Extrême-Nord camerounais", CIRAD, Paris, Feb. 2001. (The grain market and food security in the Extreme North Province of Cameroon).

For the French Ministry of Foreign Affairs:

- 28) *Bulletin of the West African regional rice network*. June 2000.

For the Government of Burkina Faso:

- 29) "Plan d'actions sur les céréales (mil, sorgho, maïs) au Burkina Faso. Rapport technique sur l'économie des filières." Danida for the Ministry of Agriculture of Burkina Faso, Jan. 1999 (Economic report for the action plan for grains (millet, sorghum, maize) in Burkina Faso).

For the Government of Senegal:

- 30) "La crise de l'arachide au Sénégal: un bilan-diagnostic"(with C. Freud, J. Richard, and P. Thenevin). Ministry of Agriculture of Senegal, European Commission, CIRAD, Jan. 1997. (The groundnut crisis in Senegal - an assessment).

For the Government of Côte d'Ivoire:

- 31) "Observatoire des filières café-cacao: rapport de mission d'appui méthodologique". Bureau national d'études techniques et de développement (BNETD), Oct. 1997 (Monitoring unit for the coffee and cocoa subsectors: report of the methodological support mission)
- 32) "Suivi de la campagne café et cacao 1995/96 en Côte d'Ivoire" (with J. Richard and H. Caporal). Ministère de la Coopération Française, CIRAD, May 1996 (Report on the 1995/96 crop marketing season for coffee and cocoa in Côte d'Ivoire).
- 33) "Une évaluation du Programme Soja" (with C. Freud, J.L. Amselle, P. Bulteau, and A. Touré). Ministry of Agriculture, Cirad, Oct. 1991 (An evaluation of the soybean program).

For the Institut de Recherche sur les Transports et leur Sécurité (INRETS):

- 34) "Coffee and Cocoa Marketing in Indonesia," INRETS, CIRAD, Paris, Feb. 1996.

For the Special Program on African Agricultural Research (SPAAR):

- 35) "Regional research priorities in the humid and sub-humid zones of West and Central Africa: An economic and technical analysis" (with P.M. Bosc), Oct. 1993 (also exists in French).
- 36) "The economic challenges for agricultural research in the humid and sub-humid zones of West and Central Africa," paper presented at the Abuja Regional Workshop on Revitalizing African Agricultural Research, SPAAR, Oct. 1992 (also exists in French).

For the World Bank:

- 37) "The Politics of Agricultural Policymaking in Tanzania." MADIA research report, Agriculture Dept., June 1988.
- 38) "Project Completion Report for the Kigoma Rural Development Project" (with R. Nelson). March 1983.
- 39) *Tanzania Agricultural Sector Report (4052-TA)* (team member). August 1983.
- 40) "The Commercialization of Tanzanian Agriculture: 1945-1970." Background study to Tanzania Agricultural Sector Report, Dec. 1982.

For the University of Dar es Salaam (Tanzania):

- 41) "An Evaluation of the Kigoma Rural Development Project" (with M. Loft and A. Ndyeshobola). Economic Research Bureau (ERB) restricted paper no. 82.1, 1982.
- 42) "The Tanzanian Balance of Payments Crisis: Causes, Consequences, and Lessons for a Survival Strategy." ERB paper No. 82.1, 1982.
- 43) "An Economic Analysis of the Coffee Industry in Tanzania, 1969/70 - 1978/79" (with F. Ellis). ERB paper no. 80.4, 1981.

Research grants:

"Water and the California Economy," S.D. Bechtel, Jr. Foundation, 2011-2012

"Managing for Multiple Stressors in the Sacramento-San Joaquin Delta," S.D. Bechtel, Jr. Foundation, 2011-2012

"California Water Use, Management, and Governance," S.D. Bechtel, Jr. Foundation, The David and Lucile Packard Foundation, Pisces Foundation, Resources Legacy Fund, Santa Ana Watershed Project Authority, 2009-2011.

"California 2025: The Election Cycle," The William and Flora Hewlett Foundation, 2009-2011.

"Comparing Futures for the Sacramento-San Joaquin Delta," The David and Lucile Packard Foundation and Stephen D. Bechtel, Jr., 2008

"Preparing for a Changing Climate," Pacific Gas and Electric Company, Next Ten Foundation, The Nature Conservancy, 2007-2008.

"Building Behind Levees: Public Policy and Housing Prices in the Flood Zone," Lincoln Institute of Land Policy, 2006-2007

"Funding Innovations for California Infrastructure: Promises and Pitfalls," USC-Keston Institute for Infrastructure, 2005-2006

“California 2025: Taking on the Future,” The William and Flora Hewlett Foundation. 2003-2005

“The Demand and Supply of Food Safety in Developing Countries.” CIRAD competitive research grant program. 2000-2001

“Measuring the Competitiveness of Tropical Agricultural Exports.” CIRAD competitive research grant program. 1993-1997

Fellowships and Awards:

Harriet M Wieder Award, Southern California Water Committee, 2007.

University of Maryland graduate fellowship (1986-88, 1990-91)

Economics Club of Washington dissertation fellowship (1990-91)

Chateaubriand graduate fellowship (French Ministry of Foreign Affairs) (1990-91)

Brookings Institution dissertation fellowship (1989-90)

Commission of the European Communities graduate fellowship (1989-90)

New Jersey Federation of Women’s Clubs academic fellowship (1989-90)

Fulbright-Hays study grant (for Tanzania) (1979-81)

Board and Advisory Council Memberships:

Board member, Natural Heritage Institute (2008-2011)

Advisory Board member, Water Science and Policy Center, Univ. of California, Riverside (since 2011)

Advisory Council member, Center on Urban Environmental Law, Golden Gate University (since 2011)

Member, Contemporary Groundwater Issues Council, Groundwater Resources Association of California (since 2011)

Chairperson of PhAction, the Global Post-Harvest Forum (2000-2001).

Research Evaluation:

Reviewer for: *Journal of the American Planning Association*, *Journal of Environmental Planning and Management*, *Land Economics*, National Oceanic and Atmospheric Administration, National Science Foundation, *Public Works Management and Policy*, Stanford University Press, University of California Los Angeles Law School, Water Education Foundation, *Water Resources Research*

External evaluator of research proposals in the area of “Quality of Life and Management of Living Resources.” European Commission, Brussels, Nov. 2000.

External evaluator of research proposals in agricultural economics for the International Sorghum/Millet Collaborative Research Support Program (INTSORMIL), 1998.

Member of the external review team for the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) West and Central Africa Program. May 1996.

Member of the external review team for the Cocoa Research Institute of Ghana (CRIG). Jan., 1994.

Workshop & Conference Organization:

“Managing California’s Water: From Conflict to Reconciliation,” Public Policy Institute of California, Sacramento, California, February 2011.

“California Water: Moving beyond Myth,” Public Policy Institute of California, Sacramento, California, December 2009.

“Emerging Issues in Climate Policy: Promoting Local Initiative, Addressing Impacts,” Public Policy Institute of California, December 2008.

PhAction Annual Meeting “Effective Grassroots Communication Strategies for Post-Harvest Innovations.” Montpellier, France, June 2001.

Joint Food and Agricultural Organization (UN)-CIRAD International Workshop on “Food Safety Management in Developing Countries.” Montpellier, France, Dec. 2000.

Project Design Workshop for the “Initiative for Market-Driven Development of Millet and Sorghum in West and Central Africa” Ouagadougou, Burkina Faso. (International Fund for Agricultural Development – UN, French Ministry of Foreign Affairs and Sasakawa Global 2000), Feb. 2000.

Workshop to launch the “National Rice Monitoring Network.” Dakar, Senegal, Aug. 1999.

Workshop to launch the “National Rice Monitoring Network.” Bamako, Mali, April 1999.

Professional workshops on “The Action Plan for Traditional Grain Sector Development.” Ouagadougou, Burkina Faso, Nov. 1998.

Teaching and Advising:

Numerous short courses for graduate students and agricultural professionals in France and Africa on agricultural supply chain and agricultural policy analysis, 1999-2001

8 masters theses and 12 graduate student internships in France and the United States

Working Languages: English (mother tongue), French (fluent), Danish (fluent), Spanish (good), German (good), Swahili (fair)