

ELLEN E. HANAK

Public Policy Institute of California



Last updated: March 28, 2019

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 Fellow and Director, Ellen Hanak Chair in Water Policy
PPIC Water Policy Center**
Public Policy Institute of California (PPIC), San Francisco, CA.
Earlier positions held: Co-director of Research (Jan-July 2013), 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, 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

- 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) "The Gravity of Water: Water Trade Frictions in California." *American Journal of Agricultural Economics*, Volume 98 (5): 1273-94, October 2016. (With Charles Regnacq and Ariel Dinar)
- 2) "Paying for Water in California: The Legal Issues." In *Hastings Law Review* Vol. 65, 2014. (with B. Gray, D. Misczynski, A. Fahlund, J. Lund, D. Mitchell, J. Nachbaur)
- 3) "Water Scarcity and the California Economy." National Agricultural and Rural Development Policy Center, Policy Brief #32. June 2014.
- 4) "Agricultural Losses from Salinity in California's Sacramento-San Joaquin Delta," *San Francisco Estuary and Watershed Science* Vol. 12(1) (with J. Medellín-Azuara, R. Howitt, J. Lund, W. Fleenor), 2014.
- 5) "It's Time for Bold New Approaches to Link Delta Science and Policymaking." *San Francisco Estuary and Watershed Science* Vol. 11(3) (with J. Cloern), 2013.
- 6) "Adequate and Appropriate Funding for a Modern Water Sector: Insights from California," *American Bar Association Water Resources Committee Newsletter*, Vol. 14 (3), Aug. 2012 (best paper award).
- 7) "Climate Policy at the Local Level – The California Experience." *Global Environmental Change* Vol. 23(3) (with L. Bedsworth), 2012.
- 8) "Managing California's Water: Insights from Interviews with Water Policy Experts." *San Francisco Estuary and Watershed Science* Vol 10(4) (with S. Null, E. Bartholomeo, and J. Lund), 2012.
- 9) "Preparing California for a Changing Climate." *Climatic Change*, Vol. 111 (editorial for special issue, with L. Bedsworth), 2012.
- 10) "Adapting California's Water Management to Climate Change." *Climatic Change*, Vol. 111 (with J. Lund), 2012.
- 11) "California Coastal Management with a Changing Climate." *Climatic Change*, Vol. 111 (with G. Moreno), 2012.
- 12) "Economic Costs and Adaptations for Alternative Regulations of California's Sacramento–

- San Joaquin Delta." *San Francisco Estuary and Watershed Science* Vol 9(2) (with S.Tanaka, C. Buck, K. Madani, J. Medellin-Azuara, and J. Lund), 2011.
- 13) "Climate Change and Housing Prices: Hedonic Estimates for Ski Resorts in Western North America," *Land Economics* Vol 87(1) (2011) (with V. Butsic and R. Valletta).
 - 14) "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), 2011.
 - 15) "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), 2010.
 - 16) "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).
 - 17) "State Infrastructure Spending and the Federal Stimulus Package," *National Tax Journal*, Vol. LXII (3), September 2009.
 - 18) "Is Water Policy Limiting Residential Growth? Evidence from California," *Land Economics*, Vol. 84(1), 2008.
 - 19) "Finding Water for Growth: New Sources, New Tools, New Challenges," *Journal of the American Water Resources Association*, Vol. 43(4), 2007.
 - 20) "Wet Growth: Effects of Water Policies on Land Use in the American West," (with A. Chen), *Journal of Regional Science*, Vol. 47(1), 2007.
 - 21) "Lawns and Water Demand in California," (with M. Davis), *California Economic Policy*, Vol. 2(2), Public Policy Institute of California, July 2006.
 - 22) "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.
 - 23) "Incremental Water Market Development: The California Water Sector 1985-2004" (with R. Howitt), *Canadian Water Resources Journal*, Vol. 30(1), 2005.
 - 24) "Stopping the Drain: Third Party Responses to California's Water Market," *Contemporary Economic Policy*, Vol. 23(1), 2005.
 - 25) "Counties Wrestling Control: Local Responses to California's Statewide Water Market," (with C. Dyckman) *Univ. of Denver Water Law Review*, Vol. 6(2), 2003.
 - 26) "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?)
 - 27) "A Service-Based Theory of Retail Banking." *Managerial and Decision Economics*, Vol. 13, No. 3, June, 1992.

- 28) "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.
- 29) "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) "A California Postcard: Lessons for a Maturing Water Market," in K. Burnett, R. Howitt, J. Roumasset, C. Wada (eds.) *Routledge Handbook of Water Economics and Institutions*. Routledge, 2015.
- 2) "New Frontiers for Water Management: The California Experience," in J. Maestu (ed.) *Global Water Crisis: How Can Water Trading Be Part of the Solution?* Resources for the Future Press, 2012.
- 3) "California's Water Market: Lessons from the Field." In Hansjuergens, B., Antes R., Strunz M. (eds), *Permit Trading in Different Applications*. London: Routledge, 2011.
- 4) "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.
- 5) "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.
- 6) "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.
- 7) "Post-Production Activities in a Sub-Sector Perspective." Proceedings of the GASGA Executive Seminar No 11, Natural Resources Institute, Chatham, United Kingdom, June 1999.
- 8) "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.
- 9) "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.

- 10) "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.
- 11) "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.
- 12) "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.
- 13) "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.
- 14) "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).
- 15) "World Trade and Economic Growth" (with H. Lapan). In *Economic Report of the President*. Washington, DC: U.S. Government Printing Office, January 1989.
- 16) "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.
- 17) "National Economic Crisis and the Formulation of Research Priorities." In P. Anandajayasekeram et al. (eds.), *The Proceedings of the Conference on Farming Systems Research in Tanzania*. University of Dar es Salaam, Faculty of Agriculture, 1981.

Peer-reviewed Research Reports (Public Policy Institute of California):

- 1) "Water and the Future of the San Joaquin Valley." (with A. Escrive-Bou, B. Gray, S. Green, T. Harter, J. Jezdimirovic, J. Lund, J. Medellin-Azuara, P. Moyle, N. Seavy). Feb. 2019.
- 2) *Water*, in *California's Future*, Jan. 2019 (issued annually since 2009). (with C. Chappelle, A. Escrive-Bou, B. Gray, J. Jezdimirovic, H. McCann, J. Mount)
- 3) *Climate Change*, in *California's Future*, Jan. 2019 (issued annually since 2009). (with A. Escrive-Bou, B. Gray, J. Mount)
- 4) *California's Water*. (A set of 13 policy briefs, issued biennially since 2015). (with numerous co-authors)

- 5) *"Managing Drought in a Changing Climate: Four Essential Reforms."* (with J. Mount, K. Baerenklau, V. Busic, C. Chappelle, A. Escriva-Bou, G. Fogg, G. Gartrell, T. Grantham, B. Gray, S. Green, T. Harter, D. Jassby, J. Jezdimirovic, Y. Jin, J. Lund, H. McCann, J. Medellin-Azuara, D. Mitchell, P. Moyle, A. Rhoades, K. Schwabe, N. Seavy, S. Stephens, D. Swain, L. Szeptycki, B. Thompson, P. Ullrich, J. Viers, Z. Xu). Sep. 2018.
- 6) *"Replenishing Groundwater in the San Joaquin Valley."* (with J. Jezdimirovic, S. Green, A. Escriva-Bou). April 2018.
- 7) *"A New Approach to Accounting for Environmental Water: Insights from the Sacramento-San Joaquin Delta."* (with G. Gartrell, J. Mount, B. Gray). Nov. 2017.
- 8) *"Managing California's Freshwater Ecosystems: Lessons from the 2012-2016 Drought."* (with J. Mount, B. Gray, C. Chappelle, G. Gartrell, T. Grantham, P. Moyle, N. Seavy, L. Szeptycki, B. Thompson). Nov. 2017.
- 9) *"Priorities for California's Water."* (with C. Chappelle, A. Escriva-Bou, B. Gray, J. Jezdimirovic, H. McCann, J. Mount). Oct. 2017.
- 10) *"Building Drought Resilience in California's Cities and Suburbs."* (with D. Mitchell, K. Baerenklau, A. Escriva-Bou, H. McCann, M. Perez-Urdiales, K. Schwabe). Jun 2017.
- 11) *"Groundwater in California."* (with C. Chappelle, T. Harter). May 2017.
- 12) *"Water Stress and a Changing San Joaquin Valley."* (with J. Lund, B. Arnold, A. Escriva-Bou, B. Gray, S. Green, T. Harter, R. Howitt, D. MacEwan, J. Medellin-Azuara, P. Moyle, N. Seavy). March 2017.
- 13) *"Accounting for California's Water."* (with A. Escriva-Bou, H. McCann, J. Lund, B. Gray). July 2016.
- 14) *"Water Use in California."* (with J. Mount). July 2016.
- 15) *"California's Latest Drought."* (with J. Mount, C. Chappelle). July 2016.
- 16) *"California's Water Market."* (with J. Jezdimirovic). March 2016.
- 17) *"Improving the Federal Response to Western Drought: Five Areas for Reform."* (with J. Mount, C. Chappelle, B. Colby, R. Frank, G. Gartrell, B. Gray, D. Kenney, J. Lund, P. Moyle, L. Szeptycki). Feb. 2016
- 18) *"Allocating California's Water: Directions for Reform."* (with B. Gray, R. Frank, R. Howitt, J. Lund, L. Szeptycki, B. Thompson). Nov. 2015.
- 19) *"California's Water Quality Challenges."* (with C. Chappelle). Oct. 2016.
- 20) *"What if California's Drought Continues?"* (with J. Mount, C. Chappelle, J. Lund, J. Medellin-Azuara, P. Moyle, N. Seavy). Aug. 2015.

- 21) *"Policy Priorities for Managing Drought."* (with J. Mount, C. Chappelle, B. Gray, J. Lund, P. Moyle, B. Thompson). March 2015.
- 22) *California's Latest Drought.* (with J. Mount and C. Chappelle). Jan. 2015.
- 23) *Reforming California's Groundwater Management.* (with C. Chappelle and J. Mount). Sept. 2014.
- 24) *Paying for Water in California.*(with B. Gray, J. Lund, D. Mitchell, C. Chappelle, A. Fahlund, K. Jessoe, J. Medellín-Azuara, D. Misczynski, J. Nachbaur, R. Suddeth). March 2014.
- 25) *Stress Relief: Prescriptions for a Healthier Delta Ecosystem.* (with J. Lund, J. Durand, W. Fleenor, B. Gray, J. Medellín-Azuara, J. Mount, P. Moyle, C. Phillips, B. Thompson). April 2013
- 26) *Scientist and Stakeholder Views on the Delta Ecosystem* (with J. Lund, J. Durand, J. Mount, P. Moyle, C. Phillips). April 2013.
- 27) *Integrated Management of Delta Stressors: Institutional and Legal Options* (with J. Lund, B. Gray, J. Mount, B. Thompson). April 2013.
- 28) *Costs of Ecosystem Management Actions for the Sacramento-San Joaquin Delta* (with J. Lund, J. Durand, W. Fleenor, J. Medellín-Azuara, P. Moyle, C. Phillips). April 2013.
- 29) *Where the Wild Things Aren't: Making the Delta a Better Place for Native Species*, June 2012 (with P. Moyle, W. Bennett, J. Durand, W. Fleenor, B. Gray, J. Lund, J. Mount).
- 30) *Aquatic Ecosystem Stressors in the Sacramento-San Joaquin Delta*, June 2012 (with J. Mount, W. Bennett, J. Durand, W. Fleenor, J. Lund, P. Moyle).
- 31) *Water and the California Economy*, May 2012 (with J. Lund, B. Thompson, W. Cutter, B. Gray, D. Houston, R. Howitt, K. Jessoe, G. Libecap, J. Medellín-Azuara, S. Olmstead, D. Sumner, D. Sunding, B. Thomas, R. Wilkinson).
- 32) *Transitions for the Delta Economy*, January 2012 (with J. Medellín-Azuara, R. Howitt, J. Lund).
- 33) *Driving Change: Reducing Vehicle Miles Traveled in California*, February 2011 (with L. Bedsworth and J. Kolko).
- 34) *Views from the Street: Linking Transportation and Land Use*, February 2011 (with L. Bedsworth and E. Stryjewski).
- 35) *Managing California's Water: Insights from Interviews with Water Policy Experts*, February 2011 (with S. Null, E. Bartolomeo, and J. Lund).
- 36) *California Water Myths*, December 2009 (with J. Lund, A. Dinar, B. Gray, R. Howitt, J. Mount, P. Moyle, B. Thompson).

- 37) *California Transportation*, in *California 2025: Planning for a Better Future*, July 2009 (with L. Bedsworth). (updated in 2010)
- 38) *Paying for Infrastructure: California's Choices*, January 2009.
- 39) *Preparing California for a Changing Climate*, November, 2008 (with L. Bedsworth).
- 40) *Adapting California's Water Management to Climate Change*, November 2008 (with J. Lund).
- 41) *California Coastal Management with a Changing Climate*, November 2008 (with G. Moreno).
- 42) *Climate Policy at the Local Level: A Survey of California's Cities and Counties*, November 2008 (with L. Bedsworth, S. Swanbeck, and J. Malaczynski).
- 43) *Financing Infrastructure*, Just the Facts series, September 2008.
- 44) *Flood Control*, Just the Facts series, September 2008.
- 45) *Transportation Systems*, Just the Facts series, September 2008.
- 46) *Water Supply and Quality*, Just the Facts series, September 2008.
- 47) *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).
- 48) *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).
- 49) *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).
- 50) *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).
- 51) *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).
- 52) *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).
- 53) *Sizing Up the Challenge: California's Infrastructure Needs* (with E. Barbour), Occasional paper, Public Policy Institute of California, April 2005.

54) *Water Supply and Growth in California: A Survey of City and County Land-Use Planners* (with A. Simeiti), Occasional Paper, Public Policy Institute of California, March 2004.

55) *California's Water Market, By the Numbers*, Occasional Paper, Public Policy Institute of California, October 2003.

Popular Press, Blogs, and Book Reviews

- 1) "A Winning Approach for Managing Groundwater in the San Joaquin Valley." PPIC Blog, March 7, 2019 (with A. Escriva-Bou, J. Medellin-Azuara).
- 2) "Commentary: Analysis Says to End Groundwater Overdraft, Farmland Must Be Retired." Fresno Bee, February 21, 2019 (with A. Escriva-Bou, S. Green).
- 3) "Commentary: Delta Interests Should Seize the Opportunity to Cease Water Fights." CalMatters, February 21, 2019 (with J. Mount).
- 4) "A Momentous Water Year." PPIC Blog, January 15, 2019.
- 5) "Commentary: Peace in California's Water Wars is Within Grasp." CalMatters, December 19, 2018 (with J. Mount).
- 6) "Adapting to an Uncertain Water Future." PPIC Blog, December 10, 2018 (with J. Mount).
- 7) "Commentary: A Chance to Solve the Delta Quandary." CalMatters, November 18, 2018 (with J. Mount).
- 8) "Groundwater Management is Key to Adapting to Climate Change." PPIC Blog, October 30, 2018 (with J. Mount).
- 9) "Make California's Water Grid Climate-Ready." PPIC Blog, September 6, 2018 (with J. Mount).
- 10) "Voters Favor New Water Bond. What Are They Missing?" PPIC Blog, August 13, 2018 (with M. Baldassare).
- 11) "Four Ways to Foster Cooperation over Groundwater." PPIC Blog, August 6, 2018 (with J. Jezdimirovic).
- 12) "Three Water Challenges for Almonds." PPIC Blog, May 31, 2018.
- 13) "The Yuba Accord: A Model for Water Management." PPIC Blog, May 15, 2018.
- 14) "Are California's Cities Ready for the Next Drought?" PPIC Blog, April 25, 2018 (with D. Mitchell).
- 15) "Commentary: What needs to happen for San Joaquin Valley to replenish its groundwater." Sacramento Bee, April 19, 2018 (with S. Green).

- 16) "Jay Lund Elected National Academy of Engineering." PPIC Blog, February 16, 2018.
- 17) "Information Gaps Hinder Progress on Safe Drinking Water." PPIC Blog, January 16, 2018 (with J. Jezdimirovic, C. Chappelle).
- 18) "A Look Back at the Year in Water Policy." PPIC Blog, January 9, 2018.
- 19) "California is still dry and December is almost over. Is it too soon for the D-word?" Sacramento Bee, December 21, 2017 (with J. Mount).
- 20) "How California's Water Bond is Being Spent." PPIC Blog, December 13, 2017 (with J. Jezdimirovic).
- 21) "The State of Groundwater Recharge in the San Joaquin Valley." PPIC Blog, November 10, 2017.
- 22) "Fellow to Explore Central Valley Groundwater Problems." PPIC Blog, September 12, 2017.
- 23) "In Memoriam: Dave Cogdill." PPIC Blog, July 26, 2017 (with M. Baldassare).
- 24) "Here's the Right Strategy for California's Next Drought." Sacramento Bee, June 7, 2017 (with D. Mitchell).
- 25) "These Policy Changes Will Help California Prepare for the Next Drought." Sacramento Bee, April 13, 2017 (with J. Mount).
- 26) "New Levels of Cooperation Needed to Address San Joaquin Valley Water Issues." Sacramento Bee, March 1, 2017 (with S. Green).
- 27) "A Grand Compromise for the Delta Outlined." Sacramento Bee, December 2, 2016 (with J. Mount, B. Gray).
- 28) "Allocating a Share of San Joaquin River Water to the Environment Shows Promise." California Water Blog, Nov. 14, 2016 (with J. Mount and B. Gray).
- 29) "New Laws Strengthen State's Water Safety Net." PPIC Blog, October 5, 2016 (with H. McCann).
- 30) "Water Marketing That Helps Nature." PPIC Blog, September 13, 2016 (with J. Jezdimirovic).
- 31) "California Needs Better Account of Groundwater." Sacramento Bee, July 21, 2016 (with A. Escrive-Bou, J. Lund).
- 32) "Brian Gray Joins the PPIC Water Team." PPIC Blog, July 1, 2016.
- 33) "How is California Spending the Water Bond?" PPIC Blog, June 16, 2016 (with J. Jezdimirovic).

- 34) "How We Did: A California Drought Report Card." San Francisco Chronicle, April 8, 2016 (with J. Mount).
- 35) "Making Federal Farm Support Drought-Smart." PPIC Blog, March 29, 2016.
- 36) "Safeguarding Groundwater for a Drier Future." PPIC Blog, March 21, 2016.
- 37) "Video: Water and Growth in the West." PPIC Blog, February 18, 2016.
- 38) "Video: Reforming Federal Drought Management." PPIC Blog, February 9, 2016.
- 39) "State Water Market Needs Reform." PPIC Blog, February 2, 2016 (with J. Jezdimirovic).
- 40) "Flint, a Water Quality Reminder for California." PPIC Blog, January 27, 2016 (with C. Chappelle).
- 41) "A Strong Start for PPIC's Water Policy Center." PPIC Blog, January 25, 2016.
- 42) "A Pragmatic Reason to Protect Freshwater Fish." PPIC Blog, December 14, 2015 (with J. Mount, P. Moyle).
- 43) "Testimony: Planning for Future Droughts." PPIC Blog, November 23, 2015.
- 44) "Testimony: Paying for California's Water Needs." PPIC Blog, November 17, 2015.
- 45) "Proposed Reservoirs Are Not Panacea for Drought." PPIC Blog, July 6, 2015 (with J. Mount).
- 46) "The High Cost of Drought for Low-Income Californians." PPIC Blog, June 18, 2015.
- 47) "Putting California's Latest Drought in Context." ARE Update 18(5)(2015):2-5. University of California Giannini Foundation of Agricultural Economics. (with J. Mount).
- 48) "Why Farming Needs New Groundwater Law." PPIC Blog, June 2, 2015 (with S. Green, D. Zoldoske).
- 49) "Drought: 10 Ways the Federal Government Can Help." PPIC Blog, May 28, 2015 (with J. Lund, J. Mount). (extended version on California Water Blog, May 27, 2015).
- 50) "The Central Valley Needs a New Narrative." PPIC Blog, May 18, 2015.
- 51) "Testimony: Improvements Needed in Water Information." PPIC Blog, May 14, 2015.
- 52) "New Strategy, New Challenges for the Delta." PPIC Blog, May 8, 2015 (with J. Mount, B. Gray, J. Lund).
- 53) "Experts Weigh In on Drought Solutions." PPIC Blog, April 27, 2015 (with J. Lund).
- 54) "Managing Tough Trade-offs in the Delta." PPIC Blog, April 15, 2015 (with J. Mount).

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- 56) "Nine Policy Challenges for California Water." PPIC Blog, April 9, 2015 (With J. Lund, J. Mount).
- 57) "Five Things You Need To Know About Water." PPIC Blog, April 6, 2015.
- 58) "Welcome to the PPIC Water Policy Center." PPIC Blog, April 2, 2015 (with M. Baldassare).
- 59) "Drought Watch: The End of the Rainy Season." PPIC blog, March 31, 2015 (with J. Mount, J. Lund).
- 60) "Drought Watch: Priorities for Cities and Farms." PPIC blog, March 18, 2015 (with J. Mount).
- 61) "Drought Watch: Treating Stormwater as a Resource." PPIC blog, March 3, 2015.
- 62) "Set Water Priorities to Prepare for Drought." San Francisco Chronicle, Feb. 5, 2015 (with J. Mount).
- 63) "Testimony: Addressing California's Growing Flood Risk." PPIC blog, Jan. 14, 2015.
- 64) "Drought Watch: Managing – and learning from – scarcity." PPIC blog, Jan. 6, 2015 (with J. Mount)
- 65) "Drought Watch: What if 2015 is dry?" PPIC blog, Nov. 3, 2014 (with J. Mount, J. Lund)
- 66) "Drought Watch: What's in Proposition 1?" PPIC blog, Oct. 24, 2014 (with C. Chappelle).
- 67) "Modernizing drought water allocations." Californiawaterblog.com, Oct. 16, 2014 (with J. Mount, J. Lund, G. Gartrell, B. Gray, R. Frank, P. Moyle)
- 68) "Drought Watch: California as a testing ground." PPIC blog, Oct. 15, 2014.
- 69) "Drought Watch: Video seminars." PPIC blog, Oct. 8, 2014.
- 70) "Drought Watch: Rethinking urban water pricing." PPIC blog, Sept. 3, 2014 (with C. Chappelle).
- 71) "Drought Watch: Our thirsty lawns." PPIC blog, July 18, 2014. (with C. Chappelle, J. Mount).
- 72) "Drought Watch: Putting some myths to rest." PPIC blog, July 7, 2014 (with J. Lund, J. Mount)
- 73) "Challenging myth and mirage in California's drought." *Sacramento Bee*, July 6, 2014 (with J. Lund, J. Mount)

- 74) "Beyond bonds: Funding the governor's Water Action Plan." *Californiawaterblog.com*, June 5, 2014 (with B. Gray, J. Lund, D. Mitchell, C. Chappelle, E. Freeman, D. Misczynski, J. Nachbaur).
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- 76) "Drought Watch: Regional solutions." PPIC blog, June 27, 2014 (with C. Chappelle, J. Lund)
- 77) "Local water funding in the June primaries." PPIC blog, June 18, 2014. (with E. Freeman)
- 78) Drought Watch: Lessons from Kansas." PPIC blog, June 5, 2014 (with D. Mitchell)
- 79) "Drought Watch: Groundwater, our hidden asset." PPIC blog, May 27, 2014 (with J. Mount)
- 80) "Drought Watch: Improving environmental water management." PPIC blog, May 19, 2014 (with J. Mount)
- 81) "Drought Watch: Keeping better track of water." PPIC blog, May 5, 2014 (with J. Mount)
- 82) "Drought Watch: Essential elements for a water bond." PPIC blog, April 24, 2014 (with C. Chappelle)
- 83) "Drought's No. 1 lesson: Modernize water management." *Californiawaterblog.com*, April 9, 2014 (with Jeff Mount, Bruce Cain, Caitrin Chappelle, Richard Frank, Brian Gray, Richard Howitt, Katrina Jessoe, Jay Lund, Josué Medellín-Azuara, Peter Moyle, Leon Szeptycki and Buzz Thompson)
- 84) "Funding sustainable groundwater management in California." *Californiawaterblog.com*, April 3, 2014 (with Emma Freeman, Caitrin Chappelle, Brian Gray, Jay Lund, Dean Misczynski, Josué Medellín-Azuara, David Mitchell, Jeff Mount, James Nachbaur, Robyn Suddeth, Buzz Thompson)
- 85) "Testimony: Funding to Promote Drought Resilience." PPIC blog, March 27, 2014.
- 86) "Drought Watch: Roadblocks to Efficient Funding." PPIC blog, March 13, 2014 (with C. Chappelle)
- 87) "Funding water services in California." *Californiawaterblog.com*, March 13, 2014 (with Brian Gray, Jay Lund, David Mitchell, Caitrin Chappelle, Andrew Fahlund, Katrina Jessoe, Josué Medellín-Azuara, Dean Misczynski, James Nachbaur and Robyn Suddeth)
- 88) "Drought Watch: Harnessing the Storms." PPIC blog, March 6, 2014 (with J. Mount).
- 89) "Drought Watch: A Conversation with Business Leaders." PPIC blog, Feb. 19, 2014.
- 90) "Testimony: Using Cap & Trade Revenues to Bolster Climate Policy." PPIC blog, Feb. 18, 2014.

- 91) "Why give away fish flows for free during a drought?" *Californiawaterblog.com*, Feb. 11, 2014 (with Jay Lund, Barton "Buzz" Thompson, Brian Gray, Jeffrey Mount and Katrina Jessoe)
- 92) "Drought Watch: A Better Way to Manage Water for Fish." PPIC blog, Feb. 4, 2014 (with J. Mount)
- 93) "Environmental water market would help the losers in this drought." *Sacramento Bee* op ed, Feb. 2, 2014 (with J. Lund and B. Thompson)
- 94) "Drought Watch: Lessons from the Past" PPIC blog, Jan. 26, 2014.
- 95) "California drought lessons – what works, what doesn't." *San Francisco Chronicle* op ed, Jan. 26, 2014. (with J. Lund)
- 96) "Beyond the drought: 10 big changes ahead for California water." PPIC blog, Jan. 14, 2014
- 97) "Resistance is Futile: Inevitable changes to water management in California" *Californiawaterblog.com*, Jan. 7, 2014 (with Jay Lund)
- 98) "State's Water Funding Habit Must Change." *Sacramento Bee* op ed, Aug. 25, 2013.
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- 100) "What Lies in Store for the State Water Bond?" *California WaterBlog* (*californiawaterblog.com*), May 16, 2013.
- 101) "Water Management Strategies Help State Get through Dry Times." *Sacramento Bee* op ed, Nov. 29, 2012
- 102) "Reconciling Wild Things with Tamed Places – A Future for Native Fish Species in the Delta," *California WaterBlog* (*californiawaterblog.com*), June 15, 2012 (with J. Lund, J. Mount, P. Moyle, B. Gray, W. Fleenor, W. Bennett, J. Durand)
- 103) "Water and California's Economy," *California WaterBlog* (*californiawaterblog.com*), May 30, 2012 (with J. Lund and B. Thompson)
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- 105) "Boldly Approach the Delta's Future," *California WaterBlog* (*californiawaterblog.com*), Oct. 19, 2011 (with J. Lund).
- 106) "Adaptive Management Means Never Having to Say You're Sorry," *California WaterBlog* (*californiawaterblog.com*), July 21, 2011 (with J. Lund, B. Gray).
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- 108) "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).
- 109) "No Going Back for the Delta, But Which Way Forward?" *California WaterBlog* (californiawaterblog.com), June 22, 2011 (with J. Lund, P. Moyle, J. Mount)
- 110) "Stressed Out – Dealing with the Delta's Non-Native Landscape," *California WaterBlog* (californiawaterblog.com), April 6, 2011 (with J. Lund, P. Moyle, J. Mount)
- 111) "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).
- 112) "Moving Beyond Myth in California Water," *California County*. March/April 2010 (with J. Lund).
- 113) "Dispelling California's Water Myths," *San Francisco Chronicle*, Dec. 14, 2009 (with J. Lund and B. Gray).
- 114) "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).
- 115) "Daunting Task, but Delta Issues Manageable," *Sacramento Bee*, August 23, 2009 (with J. Lund and P. Moyle).
- 116) "Fixing the Delta is Critical," *San Diego Union-Tribune*, June 19, 2009 (with J. Lund).
- 117) "Replumb the State to Save the Fish – and Us," *San Francisco Chronicle*, April 12, 2009 (with J. Lund).
- 118) "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)
- 119) "Delta Blues: What Troubles in the Delta Mean for California," *Western City Magazine*, October 2007.
- 120) "Rehabilitating the 800-pound Gorilla," (a review of Steven Erie's *Beyond Chinatown*, Stanford University Press), *Public Administration*, March/April 2007.
- 121) "California's Emerging Water Market: Should Counties Play a Role?" *California County*, Vol. 19(5) 2003.
- 122) "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)

- 123) "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).
- 124) « 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).
- 125) "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).
- 126) "Le marché des cultures alimentaires en Afrique" (with P. Fabre). *Marchés Tropicaux et Méditerranéens*, Sept. 1998 (Food crop markets in Africa).
- 127) "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).
- 128) "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).
- 129) "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).

Other Research and Consultancy Reports

For the Keston Infrastructure Institute, University of Southern California

- 1) *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):

- 2) "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:

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

For the Government of Burkina Faso:

- 4) "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:

- 5) "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:

- 6) "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)
- 7) "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).
- 8) "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):

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

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

- 10) "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).
- 11) "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:

- 12) "The Politics of Agricultural Policymaking in Tanzania." MADIA research report, Agriculture Dept., June 1988.
- 13) "Project Completion Report for the Kigoma Rural Development Project" (with R. Nelson). March 1983.
- 14) *Tanzania Agricultural Sector Report (4052-TA)* (team member). August 1983.

- 15) "The Commercialization of Tanzanian Agriculture: 1945-1970." Background study to Tanzania Agricultural Sector Report, Dec. 1982.

For the University of Dar es Salaam (Tanzania):

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

Research grants:

- "Futures for the San Joaquin Valley," Water Foundation, 2018.
- "PPIC Water Policy Center," S. D. Bechtel, Jr. Foundation, 2018 and 2015.
- "California Water Markets," USDA Federal Award Identification Number 58-0111-18-010, 2018.
- "Water Quality and Climate Change," California Association of Sanitation Agencies, 2017.
- "The Future of the San Joaquin Valley," USDA Federal Award Identification Number 58-0111-17-004, 2017.
- "Drought and Environmental Management in California," Water Foundation, 2017.
- "Steyer-Taylor Fellow Program," TomKat Foundation, 2017 and 2015.
- "Summer Intern: Groundwater Recharge in the San Joaquin Valley," Sustainable Conservation, 2017.
- "Quantitative Analysis of Drought Response across Cal Water Districts," California Water Service, 2016.
- "Support for the Water Policy Center," Hewlett Foundation, 2015.
- "Accounting for California's Water," Packard Foundation, 2015.
- "Preparing for Water Scarcity: Learning from California's Recent Drought," EPA Grant Number 83586701, 2015.
- "Managing Information Systems and the Environment to Improve Drought Resilience," California Water Foundation, 2015.
- "What if the Drought Continues?" California Water Foundation, 2015.

“Managing Drought: The Policy Priorities” California Water Foundation, 2015.

“Addressing Water Finance Challenges in California.” S.D. Bechtel, Jr. Foundation and California Water Foundation, 2013.

“California’s Water Market, By the Numbers,” S.D. Bechtel, Jr. Foundation, 2012.

“Water and the California Economy,” S.D. Bechtel, Jr. Foundation, 2011.

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

“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:

Ellen Hanak Chair in Water Policy, since 2018.

Best paper award, American Bar Association Annual Water Conference, San Diego, 2012.

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:

External Advisory Council member, UC Davis Environmental Policy and Management program (since 2019)

Advisory Board member, Sustainable Conservation (since 2018)

Board member, Natural Heritage Institute (2008-2011)

Advisory Board, Water Science and Policy Center, Univ. of California, Riverside (2011-13)

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

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

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

Research Evaluation:

Policy Nook Editor, *Water Economics and Policy* (2013-17)

Reviewer for: California Energy Commission, Environmental Defense Fund, *Journal of the American Planning Association*, *Journal of Environmental Planning and Management*, *Land Economics*, National Oceanic and Atmospheric Administration, National Science Foundation, Northern California Water Association, *Public Works Management and Policy*, *Science*, Stanford University Press, *Regional Environmental Change*, *Water Resources Research*, University of California Davis Watershed Sciences Center, 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.

Conference & Workshop Organization:

"Water and the Future of the San Joaquin Valley," Public Policy Institute of California, California Water Institute at Fresno State, Fresno, CA, February 2019.

"Water Priorities for California's Next Governor," Public Policy Institute of California, Sacramento, CA, November, 2018.

"Managing Drought in a Changing Climate," Public Policy Institute of California, San Francisco, CA, September 2018.

"Priorities for California's Water," Public Policy Institute of California, Sacramento, CA, October 2017.

“Building Bay Area Drought Resilience,” Public Policy Institute of California, San Francisco, CA, July 2017.

“Water Stress and a Changing San Joaquin Valley,” Public Policy Institute of California, California Water Institute at Fresno State, Clovis, CA, March 2017.

“Policy Priorities for California’s Water,” Public Policy Institute of California, Sacramento, CA, October 2016.

“Improving California’s Water Accounting,” Public Policy Institute of California, Sacramento, CA, July 2016.

“Improving the Federal Response to Western Drought,” Public Policy Institute of California and Resources for the Future, Washington DC, February 2016.

“What if California’s Drought Continues?” Public Policy Institute of California, Sacramento, CA, August 2015.

“Meeting Water Challenges on the Central Coast,” California American Water, Public Policy Institute of California, Monterey, CA, August 2015.

“Drought and Groundwater in the San Joaquin Valley,” Public Policy Institute of California, California Water Institute at Fresno State, Fresno, CA, June 2015.

“The New Reality: Addressing California’s Water Challenge,” USC Swarzenegger Institute, Public Policy Institute of California, Los Angeles, CA, April 2015.

“From Droughts to Floods: Water in the Silicon Valley,” California Water Service, San Jose, CA, April 2015.

“Managing Drought,” Public Policy Institute of California, Sacramento, CA, January 2015.

“Paying for Water in California,” Public Policy Institute of California, Sacramento, CA, April 2014.

“Stress Relief: Prescriptions for a Healthier Delta Ecosystem,” Public Policy Institute of California, Sacramento, May 2013.

“Water and California’s Economy,” Public Policy Institute of California, Sacramento, CA, June 2012.

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

“California Water: Moving beyond Myth,” Public Policy Institute of California, Sacramento, CA, 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

Numerous lectures for undergraduate and graduate student classes (UC Berkeley, UC Santa Barbara, Stanford University, UCLA, UC Davis, University of San Francisco, University of Southern California, San Francisco State University), 2005-present

8 masters theses and 14 graduate student internships in France and the United States

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