

# Thomas P. Tomich: *Curriculum vitae*

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## Education

**PhD, 1984, Food Research Institute, Stanford University** (*with distinction*).

Dissertation: *Private Land Reclamation in Egypt: Studies of Feasibility and Adaptive Behavior*

Fields: agricultural production economics, food consumption economics and human nutrition, and demography.

Committee: Carl H. Gotsch (chair), Bruce F. Johnston, Walter P. Falcon

**MA, 1982, Food Research Institute, Stanford University**

**BA, 1979, Economics, University of California, Davis** (*with highest honors*).

Honors thesis: *Agricultural Development in Egypt. Departmental citation in economics.*

*Regents' Scholar (highest award for undergraduates). President's Undergraduate Fellow.*

**Education Abroad, 1976-77, American University in Cairo, Egypt.**

## Awards

Fellow, American Association for the Advancement of Science (AAAS), 2019

Faculty Stewardship Award, UC Davis Foundation, 2019

Inaugural holder, WK Kellogg Endowed Chair in Sustainable Food Systems (2007-2020)

Zayed International Prize for the Environment, 2006 (with Millennium Ecosystem Assessment authors).

CGIAR Science Award for Outstanding Partnership, 2005 (with ASB Consortium members)

## Web presence

Wikipedia [https://en.wikipedia.org/wiki/Thomas\\_Tomich](https://en.wikipedia.org/wiki/Thomas_Tomich)

Food Systems Lab <https://foodsystemslab.ucdavis.edu/>

*Annual Review of Environment and Resources* <https://www.annualreviews.org/journal/environ>

Google Scholar Citations: H-index = 43 i10-index = 79 Citations > 6940

[https://scholar.google.com/citations?view\\_op=list\\_works&hl=en&user=odvmDekAAAAJ](https://scholar.google.com/citations?view_op=list_works&hl=en&user=odvmDekAAAAJ)

## Current appointment

**Distinguished Professor of Sustainability Science & Policy**, Department of Environmental Science & Policy, College of Agricultural & Environmental Sciences, **University of California Davis** (July 2020 to date) and **Founder, Food Systems Lab** [foodsystemslab.ucdavis.edu](https://foodsystemslab.ucdavis.edu). Now hosted in the Department of Environmental Science and Policy at UC Davis, the Food Systems Lab has grown from our group's roots in sustainable sourcing and regional landscape assessment into a program on developing and improving the information management aspects of food system sustainability, in addition to continuing core research areas initiated over several years as the Food Systems Informatics program of the Agricultural Sustainability Institute. The primary focus of this cross-cutting informatics work is to improve how sustainability can be defined, measured, and operationalized by improving information management and connectivity among complex webs of challenges, data, and actors. The Food Systems Lab currently has four focal areas: food supply chains, working landscapes, data curation and visualization, and community engagement and policy analysis, with funding from the National Science Foundation (NSF), TomKat Educational Trust, and other sources.

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## Previous appointments

**Professor, University of California Davis** (January 2007 through June 2020).

- **Founding Director, Agricultural Sustainability Institute (ASI),**
- **Director statewide Sustainable Agriculture Research and Education Program (UC SAREP).**
- Inaugural holder of the **W.K. Kellogg Endowed Chair in Sustainable Food Systems.**
- **Professor** of community development, environmental science and policy at UC Davis.
- **Host, Inter-institutional Network for Food, Agriculture, & Sustainability (INFAS),** a national network of more than two dozen directors of sustainability centers and endowed chairs from 26 land grant universities and other institutions across the United States, since its founding in 2010.

ASI was created as a hub to link initiatives in research and education in sustainable agriculture and food systems across the University of California (UC) and other partners throughout California, across the United States, and around the world. It includes the Russell Ranch Sustainable Agriculture Facility, a unique 300 acre (120 ha) facility for long-term research, and the Student Farm, a 25 acre (10 ha) teaching facility and incubator for student initiatives. Major points of pride during my leadership include: • Creation of innovative mechanisms for broadening engagement of stakeholders statewide, including our External Advisory Board, which has increasingly come to represent the diversity of California. • Launch of the Sustainable Agriculture & Food Systems major, which was decades in the making and is the first “sustainability science” major at UC Davis. • Creation of INFAS as a national force for food justice, especially emphasizing efforts to eliminate structural racism within our public and land grant universities. • Recognition of California’s sustainability leaders through the annual Bradford-Rominger Sustainability Leadership Award. • Explosive growth in the scope and scale of experiential learning programs at our Student Farm, including the Community Table Project to help address food insecurity among UC Davis students. • Game-changing entrepreneurial initiative by staff and a new financial model to fund long-term research on agricultural systems at the Russell Ranch Sustainable Agriculture Facility. • The California Nitrogen Assessment, recognized as a model for transdisciplinary, integrative assessment, catalyzed a remarkable coalition between California agricultural groups and environmental justice advocates, who jointly and successfully advocated for a state budget allocation of \$130 million per year to address safe drinking water access for marginalized rural communities, including many farm workers. • Creation of a new field “food system informatics,” which brings together innovation systems in our Central Valley and Silicon Valley and leverages the data revolution sweeping our food systems; in July 2020, this work was “spun off” with the founding of our Food Systems Lab at UC Davis. • Numerous high-impact publications in agroecology, sustainable food systems, and allied fields. • Creation of the Agroecology Endowed Professorship in the Department of Plant Sciences through gifts from many donors. • A large number of individual donors, philanthropies, and agencies helped build the annual budget from \$1.5 million in 2007/8 to over \$4.6 million in 2018/19. During that period ASI secured \$16M in competitive grants, almost \$7M in gifts, plus an additional \$2.6M in bequests. These developments have enabled significant increases in funding for a range of integrated, multi-disciplinary research, education, communication, and outreach initiatives, including international initiatives in sustainable sourcing of global agricultural raw materials and food system informatics. For example, as co-PI and host for NSF Research Coordination Network with Ohio State, three Oxford University “Food System Impact Valuation” workshops, 2017-19, and three International Conference on Food Ontology, Operability, Data, and Semantics (IC-FOODS) annual meetings in California, 2017-2019. Received Faculty Stewardship Award in 2019 for leadership in stewarding donors and supporters of UC Davis.

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## Previous appointments (continued)

**Global Coordinator, ASB, the Partnership for the Tropical Forest Margins** – formerly known as the Alternatives to Slash-and-Burn Programme (June 2000 to December 2006). ASB ([www.asb.cgiar.org](http://www.asb.cgiar.org)) is a systemwide programme of the Consultative Group on International Agricultural Research (CGIAR). The programme works through long-term collaborative partnerships in the Amazon, Congo Basin, and Southeast Asia to raise productivity and income of rural households without increasing deforestation or undermining essential environmental services. ASB is recognized as a global leader in integrated natural resource management through engagement with local communities, national and international partners, and policymakers, for its success in producing scientific outputs (e.g., over 780 publications by 2005), and for impact through innovative policies and practices. ASB won the CGIAR Science Award for “Outstanding Partnership” in 2005. Key responsibilities included:

- Scientific leadership of this diverse, multi-disciplinary, global consortium of over 80 institutions, involving 250 scientists.
- Effective management of the systemwide programme, strategic planning, fundraising, priority setting and budgeting, ability to recruit and lead talented people.
- Creating and sustaining strategic partnerships; leadership of training and capacity building.
- Enhancing transparency and effectiveness of programme governance.
- Successful new initiatives for global synthesis of results, knowledge management, and global sharing of information.
- Founding editor of *ASB Policybriefs* and *ASB Voices* series.
- Coordinating lead author of tropical forest margins assessment for the Millennium Ecosystem Assessment (MA), “Forest and Agroecosystem Tradeoffs in the Tropics.” The authors of the Millennium Ecosystem Assessment were awarded the Zayed International Prize for the Environment in 2006.
- Principal Investigator, World Bank-Netherlands Partnership Programme grants on “Functional Value of Biodiversity.”

**Principal Economist, ICRAF Southeast Asian Regional Research Program** (July 1998 to June 2000); Senior Natural Resource Economist, ICRAF Southeast Asian Regional Program (July 1994 to June 1998). Leader of 15+ person inter-disciplinary team of national and international researchers working on natural resource policy in SE Asia, including measurement of environmental, social, and economic impact of land use change and deforestation; incidence and underlying social causes of land fires and the use of fire as both tool and weapon; evolution of customary land and tree tenure institutions; options for implementation of community-based resource management; effects of trade and marketing restrictions on smallholders’ income from timber and non-timber tree products; and broader forces driving land use change and forest conversion. Project Leader, Asian Development Bank Regional Technical Assistance Grant, “Policy Research for Sustainable Upland Systems” (1997-2000) and various Ford Foundation grants for policy research on community-based forest management (1995-99). My team provided research support and advice leading to a policy breakthrough that was the prototype for expansion of community-based forest management in Indonesia. Active in collaborative work to develop replicable methods and to integrate results from research on land use change and deforestation in SE Asia with parallel research activities in the Congo Basin and the Western Amazon as part of the global Alternatives to Slash-and-Burn (ASB) Systemwide Programme. Administrative responsibilities including fund raising, budgeting, project management and reporting, personnel management, representing the program in various fora, and a share of regional coordination.

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## **Previous appointments (continued)**

**Lead Scientist, Natural Resource Policy Development, ICRAF Global Program on Natural Resource Strategies and Policy (1995-2000).** Pioneered distinctive 'bottom-up' approach to natural resource policy research; guided policy research agendas for programs in SE Asia, Africa and Latin America; synthesis of strategic insights through cross-site comparative studies and communicating these to an international audience.

**Acting Leader, ICRAF Global Program on Natural Resource Strategies and Policy (1997-98).** Scientific leadership and management of multi-disciplinary program comprising 30+ national and international scientists working in six regions of the tropics.

**Institute Associate, Harvard Institute for International Development (HIID), Harvard University (Sept 1984 to June 1994).** Research, teaching, project leadership, policy analysis, and advising on smallholder-based development strategy, agrarian reform, technological change, sustainable agricultural development, tree crops, farming systems, food and input price policy, trade policy, political economy of deregulation and reform, intrahousehold distribution and gender.

**Resident Advisor and Resident Coordinator, Centre for Policy and Implementation Studies, Jakarta, Indonesia (Jan 1987 to Feb 1990).** Principal investigator for research on impact of national policies, programs, and projects on development of smallholders' tree crops. Led policy research on deregulation of agricultural exports, which supported deregulation of ten major export commodities; fertilizer price policy reform that saves USD 150 million per year in public funds; and other aspects of agricultural policy. Extensive fieldwork throughout Indonesia. Built an agricultural policy analysis unit comprising ten Indonesian research staff and several regular consultants, which produced over 70 policy studies and memoranda in three years. Managed this multi-million dollar project, including finances and human resources.

**Cambridge Coordinator, Food Security and Nutrition Unit Project, Office of the President and Cabinet, Malawi (January 1993 to June 1994).** World Bank research grant, "social impact of agricultural policy reform: rural food consumption and nutrition in Malawi."

**Cambridge Coordinator, Economic and Financial Analyses Project, Ministry of Finance and Trade, the Gambia, (1985-86).** Recruited consultants and handled other logistical and substantive issues for this project at HIID. Research supported reform of groundnut pricing and marketing policy (October-November 1985).

**Adjunct Lecturer on Public Policy, J.F. Kennedy School of Government, Harvard University (1992-93)**

**Lecturer on Economics, Department of Economics, Harvard University (1984-6, 90-2)**

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### Other professional experience

Experience as a scientific leader, policy advisor, or researcher in Africa (Egypt, the Gambia, Kenya, Madagascar, Malawi), Asia (Indonesia, Tajikistan, Thailand), South America (Brazil, Peru) and the State of California in the United States of America.

Participant, **Google Food Lab**, since 2017.

External Program Reviewer, **Agricultural Sciences Department, American University in Beirut**, Lebanon, February 2014.

Visiting scholar, **Earth Institute**, Columbia University, Palisades, New York, June 2004.

Consultant, **Aga Khan Foundation, Tajikistan** (September to October 1993), shaped strategy for agrarian reform and long-term development in the Gorno-Badakhshan region of Tajikistan.

Consultant, **USAID, Madagascar** (November 1992), rice price stabilization and development strategy.

Visiting scholar, **Research School of Pacific Studies, Australian National University**, Canberra, ACT, September 1992.

Consultant, Center for Policy and Implementation Studies and **Ministry of Finance, Jakarta, Indonesia** (periodically from July 1985 to December 1986 and March 1990 to June 1992), policy advisor to the Coordinating Minister for the Economy, Industry, and Finance, the Minister of Finance, and the Minister of Planning.

Consultant, **Overseas Development Administration** (December 1990). Evaluated research on irrigation projects in developing countries.

Consultant, **Economic Development Institute**, The World Bank, Washington, D.C. (intermittently April 1986 to August 1989).

Visiting scholar, **Food Research Institute**, Stanford University, Palo Alto, California, July-August 1989.

Consultant, **USAID, Washington, D.C.** (Summer 1984), small farm development strategies.

Consultant, **USAID, Egypt** (1981-82). Directed farm-level investigation of private land reclamation in Egypt. Eight months of fieldwork focused on agronomic and resource-base determinants of Egyptian reclamation farming systems.

Financial Analyst, The Chartered Bank of London (**Standard Chartered Bank**), International Banking Division, San Francisco, California (1979-80).

Technical Analyst, **USAID, Office of Agriculture, Development Support Bureau, Economics and Sector Planning Division, Washington, D.C.** (Summer 1978).

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## Teaching experience

**Workshop on Sustainable Food Systems.** (Environmental Science and Policy 191a,b), capstone course for seniors in the Sustainable Agriculture and Food Systems bachelor of science degree program, University of California, Davis, since 2012.

**Food System Assessment.** (Community Development 298) graduate seminar, University of California, Davis Spring 2011 (with G Feenstra)

**Food Systems Analysis.** (Community Development 298, Geography 298, International Agricultural Development 298) graduate seminar, University of California, Davis Winter 2011 (with G Feenstra)

**Sustainability Science.** (Geography 201) doctoral directed reading, University of California, Davis, 2010.

**Environmental and Agricultural Sustainability.** (CRD 098) first year undergraduate seminar, University of California, Davis, 2009 and 2010 (with R Galt and K Scow).

**Integrated Agro-ecosystem Assessment.** (Ecology 290, Community Development 290) graduate seminar, UC, Davis, 2008, 2009 (with K Scow), 2012 (with J Quinn).

**Participatory Scenarios Development and Use.** Co-organizer of this ICRAF training course, conducted in Chiang Mai, Thailand, in November 2004, in collaboration among ASB, ICRAF, and the Millennium Ecosystem Assessment.

**Application of the Policy Analysis Matrix (PAM) Technique to Natural Resource Policy.** Organized this ICRAF training course, conducted at Chiang Mai University in Thailand in June 1997 in collaboration with Stanford University and the University of British Columbia.

**Microeconomics of Food and Agricultural Policy** (Economics 1363/KSG S-158) for graduate students and advanced undergraduates. Offered jointly by the Harvard Department of Economics and the Kennedy School of Government, 1991-92.

**Research Seminar on International Development** (KSG S-555y with J. Thomas in 1991-92 and PED-150y with J. Cohen in 1992-93) for masters students completing the policy analysis exercise in international development at the Kennedy School of Government, 1991-93.

**Macroeconomic Adjustment and Food/Agricultural Policy**, HIID Summer Workshop headed by R. Goldman, August 1991.

**Agriculture in Economic Development** (Economics 1262) for advanced undergraduates and graduate students. Offered by the Harvard Department of Economics, 1986.

**Economic Development** (Economics 1299a-b with J. Stern and D. Snodgrass), undergraduate survey course offered by the Harvard Department of Economics, 1985-86.

**Senior Research Seminar on Economic Development** (Economics 985d with M. McPherson and M. Syrquin; later with C. Jones and G. Glenday) for writers of honors theses on development in the Harvard Department of Economics, 1984-85 and 1985-86.

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### **Service on advisory boards and select committees**

Content advisor, **XPRIZE – Future of Food Impact Roadmap**, 2019.

Member, **Independent Science and Partnership Council (ISPC)** of the Consultative Group on International Agricultural Research (CGIAR), 2014-2018. The ISPC was a 7-member expert panel chosen by the CGIAR to enhance quality, relevance, and impact of CGIAR science, to advise on strategic scientific issues, and to help the CGIAR identify and engage key partnerships with the international research and development community.

Expert advisor, **external review of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES)**, 2018.

Member, **UC Davis Chancellor’s Food Security Task Force**, 2018.

**AGree Advisor** (2015-present) and **AGree Research Committee member** (2011-2014) **AGree** (formerly the Initiative on Food and Agriculture Policy; [www.foodandagpolicy.org](http://www.foodandagpolicy.org)) is a multi-year process to drive positive policy change in the food and agricultural system, sponsored by nine philanthropic foundations.

Panel member, **nomination and selection of “4 per 1000” Scientific and Technical Committee**, 2016.

Scientific Advisory Board, **Sustainable Management of Crop Health Metaprogram, French National Institute for Agricultural Research (INRA)**, 2012-2019.

User Working Group, **Socioeconomic Data and Applications Center (SEDAC)** for NASA’s Earth Observing System Data and Information System (EOSDIS), hosted by the Center for International Earth Science Information Network (CIESIN) at Columbia University, 2014-2018.

Organizing Committee, **CGIAR ISPC Science Forum 2016**, “Pathways to Poverty Reduction,” Addis Ababa, Ethiopia, 12-14 April 2016.

Advisory Panel, **Sustainable Food Systems Initiative**, University of California Division of Agriculture and Natural Resources, 2010-2014.

Advisory Board, **School of Global Environmental Sustainability (SOGES), Colorado State University** 2009-13.

**California Roundtable on Water and Food Supply**, 2010-2013, “... a consensus-based forum to uncover obstacles, identify solutions, and take action to enhance water security for agriculture, the public and the environment,” involving 24 leaders from various perspectives.

Organizing committee, **Climate Smart Agriculture Conference**, University of California, 2013.

Blue Ribbon Panel, **Aldo Leopold Award for California**, 2006-2013. This award “... recognizes California farmers and ranchers who demonstrate outstanding, sustainable management of natural resources.”

Scientific and Technical Advisory Committee, “**Menus of Change**” initiative of the **Harvard School of Public Health and Culinary Institute of America**, “an industry leadership program for innovation at the convergence of nutrition, public health, environmental and social concerns and the development of new business models within the US food sector,” 2012.

Research Strategy Working Group, **University of California Commission on the Future**, 2010.

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### Service on boards and committees (continued)

Chair, national organizing committee, **Second National Symposium on Food Systems and Sustainability “Making the invisible visible.”** UC Davis 9-11 November 2010.

Chair, national organizing committee, **Inaugural National Symposium on Food Systems and Sustainability “Where are we headed? Where do we want to go?”** Davis 24-26 March 2009.

Organizing committee, **22nd National Agricultural Biotechnology Conference, “Promoting Health by Linking Agriculture, Food and Nutrition,”** UC Davis, June 2010.

National Selection Committee, **“Going Green Awards” of the Natural Resources Defense Council (NRDC)**, 2011. These awards recognize extraordinary contributions “that advance ecologically integrated farming practices, climate stewardship, water stewardship, farmland preservation, and social responsibility”.

Technical Advisory Group, **BioCarbon Fund of the World Bank**, 2002.

Project Advisory Committee, **Conservation and Sustainable Management of Belowground Biodiversity** (2003-2006); previously Technical Advisory Group, Managing AgroBiodiversity for Global Land Use Sustainability Project, Tropical Soil Biology and Fertility Institute (TSBF).

Expert Advisory Panel, IUCN/WWF International Expert Meeting on **Forest Landscape Restoration**, 27-28 February 2002, Heredia, Costa Rica.

School Board, **Bogor Expatriate School**, 1998-99.

Chair and organizer, Panel on Tropical Deforestation, **Second World Congress of Environmental and Resource Economists**, Monterey, California, 23-26 June 2002.

Chair and organizer, Symposium on **“Bringing the Landscape into Focus: Developing a Conceptual Framework and Identifying Methods for Work at the Landscape Scale,”** 12-13 November 2001, Chiang Mai, Thailand.

Leader, **Synthesis Working Group** of the Alternatives to Slash-and-Burn (ASB) Research Programme, 2000-2006.

**Inter-center Working Group on Climate Change**, Consultative Group on International Agricultural Research, 2000-2006.

Chair, Scientific Organizing Committee, **Methodology Workshop on Environmental Services and Land Use Change: Bridging the Gap between Policy and Research in Southeast Asia**, 31 May to 2 June 1999, Chiang Mai, Thailand.

Research Advisory Committee, **Linkages between Indonesia’s Agricultural Production, Trade and Environment**, ACIAR Indonesia Research Project, CIES, University of Adelaide, Australia, 1996.

Commission on **People’s Participation in Forest Management**, Consultative Group on Indonesian Forestry, Indonesian Department of Forestry, 1995-2000.

Organizing Committee, **International Workshop on Agroforestry Innovations for Imperata Grassland Rehabilitation**. Banjarmasin, Indonesia, 23-27 January 1995.

Organizing Committee, **Northeast Universities Development Consortium Conference**, 1991.



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## Service on editorial boards

**Co-editor, *Annual Review of Environment and Resources (ARER)*** since January 2015 and **ARER Editorial Board member** since 2008. *ARER* is among the top journals in its field, with an impact factor above 8 for 2020 according to Clivariate Analytics, which ranked *ARER* #5 of 123 environmental studies (social science) journals and #14 of 265 environmental science journals based on data for 2019.

Editorial Board, ***International Journal of Agricultural Sustainability (IJAS)*** since 2009. *IJAS* is “the leading international, peer-reviewed journal on agricultural sustainability;” it has an impact factor of 2.7 for 2017/18 according to SCI.

Guest editor, special issue of *Agricultural Systems*, 2018-2019

Guest editor, special issue of *Agriculture, Ecosystems and Environment*, 2004.

International advisory board, *Bulletin of Indonesian Economic Studies*, 1994-2000.

Corresponding editor, *Asia-Pacific Environment Monographs*, 2004.

Consulting editor (Economics), *Tropical Biodiversity*, 1998.

## External PhD Examiner

University of British Columbia, Canada, and James Cook University, Australia, 2020.

Department of Geography, Universite Catholique de Louvain, Belgium, 2002

Bogor Agricultural University, Bogor, Indonesia, 2000

Research School of Pacific Studies, Australian National University, Canberra, Australia, 1998

## Referee

*Agriculture, Ecosystems and Environment, Agroforestry Systems, Annals of Botany, American Journal of Alternative Agriculture, Australian Centre for International Agricultural Research, Bulletin of Indonesian Economic Studies, Consultative Group on International Agricultural Research, Ecological Economics, Ecology and Society, Economic Development and Cultural Change, Environment and Development Economics, Food Policy, Forest Ecology and Management, Frontiers in Ecology and Environment, Global Food Security, International Association of Agricultural Economists, International Journal of Agricultural Sustainability, Millennium Ecosystem Assessment, Nature, Nature Food, Proceedings of the National Academy of Sciences USA, Review of Agricultural Economics, Science, Sustainable Development, World Bank Economic Review, World Development.*

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### **Selected professional presentations**

Invited speaker, **“Reframing food as a system.”** KnowFood Livestream, 18 February 2021.

Agriculture Week distinguished speaker, **“Global Food Security and Sustainability.”** College of Agriculture and Life Sciences, University of Idaho, Moscow, Idaho, 4 October 2019.

Invited speaker, **“Food Security and Sustainability.”** Scientific Program Deep Dive. Food and Nutrition Security and Sustainability: Science, Technology, and Policy. **Institute of Food Technologists (IFT19)**, New Orleans, Louisiana, 4 June 2019.

Session keynote speaker, **“Food Supply Chains: A Food Systems Perspective.”** **UNICEF/GAIN Workshop on Food Systems for Children and Adolescents, UNICEF Office of Research** – Innocenti, Florence, Italy, 5-7 November 2018.

Invited speaker, **“Agriculture, Innovation, and Forces Shaping a More Sustainable Food System.”** **California Environmental Law Conference**, Yosemite National Park, California, 11 November 2018.

Keynote speaker, **“Agricultural Innovation and how UC Davis is Shaping a More Sustainable Food System.”** **Culinary Institute of America**, Napa, California, 21 August 2018.

Invited speaker, **“The California Nitrogen Assessment.”** **Central Coast Water Board** public meeting, San Luis Obispo, California, 11 May 2018.

Invited panelist, **Third Festival of Innovation. Office of the President, New Delhi**, India 4-10 March 2017.

Featured speaker, **“Food System Informatics: from Molecular to Planetary, from Agricultural Innovation to Food System Transformation.”** **Seed Central**. Davis, California, 9 February 2017.

Invited speaker, **“Positioning IWMI Research in a Changing World: The Next 5-10 Years.”** **International Water Management Institute (IWMI)**, Colombo, Sri Lanka, 14 October 2016.

International keynote speaker, **“Linking Knowledge with Action for Food System Sustainability.”** **International Workshop on Agroecology**, Central University of Catalonia, Vic, Catalonia, Spain, 15 June 2016.

Chair, **Plenary Panel Discussion, “Pathways to Poverty Reduction.”** **CGIAR ISPC Science Forum 2016**, “Pathways to Poverty Reduction,” and **Final “wrap up” speaker, Closing Plenary Session, CGIAR ISPC Science Forum 2016**, “Pathways to Poverty Reduction,” Addis Ababa, Ethiopia, 12-14 April 2016.

Panelist and speaker, **“Food System Informatics: connecting human nutrition and the food system.”** **ETH Zurich panel at American Association for the Advancement of Science (AAAS) annual meetings**, Washington, DC 14 February 2016.

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### **Selected professional presentations (continued)**

Keynote speaker, **“Linking Knowledge with Action for Food System Sustainability.” California Agriculture and Food Enterprise (CAFÉ) research catalyst initiative launch conference**, UC Riverside, Riverside, California, 5 February 2016.

Speaker, **“Food System Sustainability and Resilience: a Comprehensive Approach to Key Issues and Metrics for Food System Supply Chains.” International Conference on Global Food Security**, Cornell University, Ithaca, New York, 13 October 2015.

Keynote speaker, **“Is there Sustainability Science?” World Food System Conference**, World Food System Center, Swiss Federal Technical University Zurich (ETHZ), Ascona, Switzerland, 21 June 2015.

Speaker and Symposium Organizer (with D Ojima and P Huber), **“Social Ecological Framing of Vulnerability Analysis of Food Systems.” Symposium entitled *Sustainable Sourcing of Food Products: Social-Ecological Perspective of Constraints and Opportunities for Sustainable Food Production Strategies*. Annual Meeting of the Ecological Society of America**, Sacramento, California, 13 August 2014.

Keynote speaker, **“Water and Sustainable Agriculture.” Water Technology Conference, Fresno State University**, Fresno, California, 8 May 2014.

Invited speaker, **“Linking Knowledge with Action for Food System Sustainability.” Bren School of Environmental Science and Management, University of California, Santa Barbara**, 21 April 2014.

Invited speaker, **“Regional Challenges for Sustainable Agriculture, from the US Perspective.” Earth Institute, Columbia University**, New York, NY, 10 September 2013

Invited speaker, **“Sustainable Sourcing of Global Agricultural Raw Materials.” Kennedy School of Government, Harvard University**. 13 September 2012.

Invited Speaker, **“Feeding the World: Managing Risks and Uncertainty.” Association of Public and Land-Grant Universities Annual Meeting**, San Francisco, California, 13 November 2011.

Invited speaker, **“Framework for Action on Nitrogen: Lessons from the California Nitrogen Assessment.” American Chemical Society Conference**, Denver, Colorado, 29 August 2011.

Invited Speaker, **“Agroforestry Science and 21<sup>st</sup> Century Challenges.” World Agroforestry Centre (ICRAF)**, Nairobi, Kenya, April 2011.

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### **Selected professional presentations (continued)**

Speaker, **AAAS Symposium on Global and Local Responses to the Nitrogen Challenge: Science, Practice, and Policy**. American Association for the Advancement of Science Annual Meetings, Washington, DC, 21 February 2011.

Panelist, **California Governor's 3<sup>rd</sup> Global Climate Change Summit**, University of California, Davis, 15 November 2010.

Keynote speaker, **"Food security, production, and human health: Are we asking the right questions?" Annual Science Symposium**, Ohio Agricultural Research and Development Center, Wooster, Ohio, 22 April 2010.

Keynote speaker, **"Agricultural Innovation," Ag 2.0 Venture Capitalists Symposium**, Palo Alto, California, 23 March 2010.

Speaker, **"California agriculture, climate change, and nitrogen: Bridging science, policy and practice in complex working landscapes."** American Association for the Advancement of Science, 2010 AAAS Annual Meetings, San Diego, California, 20 February 2010.

Invited speaker and facilitator, **Conference on Metrics for Global Agriculture**, Earth Institute, Columbia University, New York, NY, 1 October 2009.

Invited speaker, **"Sustainability Science and our Land Grant heritage."** Symposium on Global Environmental Sustainability, School of Global Environmental Sustainability, Colorado State University, Fort Collins, Colorado, 10 September 2009.

Keynote speaker and facilitator, **National Symposium on Local Foods**, US Department of Agriculture, Washington, DC 27 June 2009.

Speaker, **"Climate challenges in working landscapes: Crossing science-policy-society boundaries."** AAAS Panel on Equity, Sustainability, and Governance. American Association for the Advancement of Science, 2009 AAAS Annual Meetings, Chicago, Illinois, 15 February 2009.

Organizer and speaker, **"Supporting African scientists in the quest for sustainability: After training, what?"** AAAS Symposium on Land Grant Universities: Reappraising Support for the Agricultural Sciences in Africa. American Association for the Advancement of Science, 2008 AAAS Annual Meetings, Boston, Massachusetts, 17 February 2008.

Invited speaker, **"So you want to change the world: University education for sustainable food systems."** President's Symposium, American Chemical Society Annual Meeting, Chicago, Illinois, 26 March 2007.

Keynote address, **"Global Justice."** Development Research Day, Centre for Sustainability Studies and Department of Human Ecology, Lund University, Sweden, 17 September 2004.

Keynote address, **"Loss of biodiversity through deforestation,"** Seven Challenges of Sustainability Series, Lund University, Sweden, 16 September 2004.

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## Broadcast, print and electronic media

“Agriculture cannot do the job alone – Tom Tomich on pathways to rural prosperity.” March 2016. Blog post for CGIAR Science Forum 2016, <http://www.scienceforum2016.org/agriculture-cannot-do-the-job-alone-tom-tomich-on-pathways-to-rural-prosperity/>.

Webinar series presenting results of the California Nitrogen Assessment (2015) [www.asi.ucdavis.edu](http://www.asi.ucdavis.edu)

“Scientists are Rising to the Challenges of Drought” (with M. DeLonge). Op-ed in *Sacramento Bee* 11 August 2014 <http://www.sacbee.com/2014/08/11/6617698/viewpoints-scientists-are-rising.html>

“Is there a sustainability science?” 2013 webinar presented for the UC Division of Agriculture and Natural Resources, UC Sustainable Agriculture Research and Education Program, and the Agricultural Sustainability Institute <http://lecture.ucanr.org/Mediasite/Play/1a20972eadba48cc95e01a7bd23b83571d>

“Agroecology: A review from a global change perspective” 2013 podcast for the *Annual Reviews* <http://www.annualreviews.org/doi/story/10.1146/multimedia.2013.03.06.151>

“Living with no regrets on climate change,” 2010 opinion piece about the Copenhagen Climate Summit, appeared on the *Huffington Post* [http://www.huffingtonpost.com/tom-tomich/living-with-no-regrets-on\\_b\\_412361.html](http://www.huffingtonpost.com/tom-tomich/living-with-no-regrets-on_b_412361.html). A similar piece “With no regrets we can lead the way” ran as an op-ed in the *Sacramento Bee* on 9 January 2010.

### Other media interviews include:

**Video:** *9 Billion Mouths to Feed: The Future of Farming*

**Magazines:** *Science, Wired, Wired Science, GQ, Men’s Health, Momentum, California Magazine, Sacramento Magazine*

**Newspapers:** *New York Times, Los Angeles Times, Washington Post, Wall Street Journal, Christian Science Monitor, USA Today, Sacramento Bee, Davis Enterprise, Santa Rosa Press Democrat, Chronicle of Higher Education, Inside Higher Education, Ag Alert, AgriPulse.*

**Podcasts, radio, television:** *EarthSky, Science and Society, National Public Radio, Capital Public Radio, KPCC, KQED, Voice of America, WCET.*

My *EarthSky* podcast is available at: <http://www.earthsky.org/interviewpost/agriculture/tom-tomich-says-global-sustainability-starts-with-food>.

### Languages

**English:** native speaker

**Arabic:** some speaking (Egyptian colloquial) and reading

**Indonesian:** good speaking, good reading

**Spanish:** some speaking and reading

### Family farm background

Direct experience with small-scale production of tree fruit, nuts, vegetables, and other crops on my family's 120-year-old, highly-diversified, California farm. Responsibilities ranged across the spectrum of agricultural production and marketing activities. I took on responsibility for stewardship of this land in 2017.