



Healthy People, Healthy Planet:
Building a More Sustainable, Resilient, Equitable, and Nourishing Food System
 Speaker, Moderator, and Planning Committee Biographical Sketches



Philippe Caradec, M.S.

Danone North America

Invited Speaker

Philippe Caradec is Vice President of Public and Government Affairs of Danone North America, the North American business unit of Paris-based Danone. Danone North America was formed in April 2017 by combining the North American businesses of Danone dairy (including The Dannon Company) and WhiteWave Foods to further the company's mission to bring health through food to as many people as possible. Mr. Caradec is responsible for federal, state and local Public and Government Affairs for Danone North America in the U.S., as well as the oversight of these subjects for Danone Canada, Danone Waters of America, Happy Family and Nutricia North America. He joined Danone in April 1992 after spending four years as a consultant in Washington, DC, specializing in technical and regulatory matters affecting the imported food and beverage industry. Previously, Mr. Caradec was Assistant Agricultural Attaché for Technical and Regulatory Affairs at the Embassy of France in Washington DC. He received a Master of Science degree in food science from Purdue University, West Lafayette, IN, after completing his graduate studies at the National Superior School of Agronomy of Rennes, France.



Cynthia Daley, Ph.D.

California State University Chico

Invited Speaker

Cynthia Daley is Professor within the College of Agriculture at California State University, Chico, and currently serves as Rawlin's Endowed Professor for Environmental Literacy, and Director for the Center for Regenerative Agriculture & Resilient Systems. Dr. Daley is originally from Illinois, where her family has been actively engaged in the farming profession for more than four generations. She joined the CSU Chico, COA faculty in 1997 and later founded the Organic Dairy Education & Research Program in 2006. Seeing the need to grow the ecological farming movement, Dr. Daley went on to co-create the Regenerative Agriculture Initiative in 2016 and guided this program to Center status in May of 2019. The new Center for Regenerative Agriculture & Resilient Systems is a consortium of interdisciplinary faculty and farmers who recognize the ecological benefits of regenerative farming practices including water conservation, soil fertility, and carbon sequestration. The Center's guiding principle is that agriculture, when done regeneratively, can be the solution to soil degradation and climate change. Dr. Daley completed her undergraduate degree at the University of Illinois, and her doctorate at University of California Davis.

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Paula Daniels, J.D.

The Center for Good Food Purchasing

Invited Speaker

Paula Daniels is Co-founder, Chief of What's Next, and Chair of the Board of the Center for Good Food Purchasing. The Center for Good Food Purchasing uses the power of procurement to create a transparent and equitable food system that prioritizes the health and well-being of people, animals, and the environment, through the nationally-networked adoption and implementation of the Good Food Purchasing Program by large institutions. There are now 32 institutions in 15 cities across the U.S. enrolled in this Program, which received a 2018 Future Policy award from the World Future Council, U.N. FAO and IFOAM Organics International. Ms. Daniels is a lawyer, and has held a number of senior positions in government in California and Los Angeles, including as Senior Advisor on Food Policy to Mayor Villaraigosa of Los Angeles. She has also taught food policy at UC Berkeley, UCLA, USC and Vermont Law School. She earned her J.D. from the Southwestern University School of Law.



Kristie L. Ebi, Ph.D., M.P.H.

University of Washington

Planning Committee Member and Moderator

Kristie L. Ebi is Professor in the Department of Global Health at the University of Washington. She has been conducting research and practice on the health risks of climate variability and change for nearly 25 years, focusing on understanding sources of vulnerability; estimating current and future health risks of climate change; designing adaptation policies and measures to reduce risks in multi-stressor environments; and estimating the health co-benefits of mitigation policies. She has supported multiple countries in Central America, Europe, Africa, Asia, and the Pacific in assessing their vulnerabilities and implementing adaptation policies and programs. She has been an author on multiple national and international climate change assessments, including the fourth U.S. National Climate Assessment and the IPCC Special Report on Global Warming of 1.5°C. Dr. Ebi's scientific training includes an M.S. in toxicology and a Ph.D. and an M.P.H. in epidemiology, and two years of postgraduate research at the London School of Hygiene and Tropical Medicine.

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Hildreth England, M.S., R.D.N.

MIT Media Lab

Invited Speaker

Hildreth England is Strategist and a designer at the MIT Media Lab, focused primarily on the strategy and integration of inclusive co-design methodologies for the Director's Office and as the Director of PlusMinus.

She's exploring how to re-cast the technology design process to more equitably and intentionally distribute positive impact, especially with and for society's most marginalized. As a "T-shaped" Registered Dietitian/Nutritionist (R.D.N.), Ms. England has spent the last fifteen years leading participatory design projects that center diverse and underserved voices in the fields of sustainability, public health, and food and agriculture. Before joining the Director's Office, she spearheaded innovation strategy for Texas WIC, chaired the City of Austin's Sustainable Food Policy Board, and was the Assistant Director of the Open Agriculture Initiative (OpenAg) at MIT. She's a co-chair in MIT's Food & Sustainability Working Group, and her design work has been included in the Triennale di Milano, the Cooper Hewitt Design Triennial, the Barbican Centre, and the Victoria & Albert Museum. Ms. England has degrees in foreign service and nutrition from Georgetown University and Texas State University (respectively), and was a 2015 Fellow to the Masters in Food Innovation program at the Università degli Studi di Modena e Reggio Emilia, Italy.



Naomi K. Fukagawa, M.D., Ph.D.

U.S. Department of Agriculture

Planning Committee Chair and Food Forum Member

Naomi K. Fukagawa is Director of the USDA Beltsville Human Nutrition Research Center, in Beltsville, MD. Dr. Fukagawa previously served as professor of medicine and acting director of the Gerontology Unit at the University of Vermont, Burlington, VT. Dr. Fukagawa is a board-certified

pediatrician and an expert in nutritional biochemistry and metabolism, including protein and energy metabolism; oxidants and antioxidants; and the role of diet in aging and chronic diseases, such as diabetes mellitus. She has served on numerous NIH review panels, served as chairman of the NIH study section for General Clinical Research Centers and completed a 5-year term on the NIH Integrated Physiology of Obesity and Diabetes Study Section. Dr. Fukagawa has maintained an active research laboratory where her work ranges from cells and animals to in vivo studies in human volunteers. Dr. Fukagawa's present work focuses on the impact of environmental stressors (metabolic or physical) on human health, specifically the health effects of exposure to petrodiesel and biodiesel exhaust. Although nutrition is not often viewed as an environmental factor that influences health and well-being, all are aware of the concern about obesity and related disorders, the impact of air pollution on health, and the search for alternative fuel sources that may divert food crops to fuel production. Melding nutrition science with environmental engineering, endocrinology, and immunology will support innovative experiments to determine whether emissions from the combustion of petrodiesel and biodiesel fuels have differential effects on susceptibility to obesity and diabetes mellitus and the potential mechanisms responsible for the effects. Underlying this is the question of whether diet can help to mitigate the adverse effects of environmental stressors while maintaining adequate food production in an environmentally-friendly and sustainable manner. She received her M.D. degree from Northwestern University and her Ph.D. from the Massachusetts Institute of Technology in Cambridge.

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Catherine L. Kling, Ph.D.

Cornell University

Invited Speaker

Catherine L. Kling is Tisch University Professor in the Dyson School of Applied Economics and Management and Faculty Director at the Atkinson Center for a Sustainable Future at Cornell University. She is past Director of the Center for Agricultural and Rural Development at Iowa State University where she also held the President's Chair in Environmental Economics. She was elected to the National Academy of Sciences in 2015. Dr. Kling has published nearly 100 refereed journal articles and books chapters which have received over 8,000 citations and is the editor of the Review of Environmental Economics and Policy. She specializes in the economic valuation of ecosystem services and integrated assessment modeling for water quality modeling. Her research program has received over \$7 million in funding from the National Science Foundation, the U.S. Department of Agriculture, the Iowa Department of Natural Resources, the U.S. Environmental Protection Agency, among others. Dr. Kling chairs the Water Science and Technology Board of the National Academy of Sciences and has been a member of six National Research Council studies. She served as president of the Association of Environmental and Resource Economists, has held editorial positions at ten economics journals, and has received seven awards from professional associations for her research. She is an elected Fellow of the Association of Environmental and Resources Economists, the Agricultural & Applied Economics Association, and a University Fellow at Resources for the Future. She served for ten years on EPA's Science Advisory Board. Dr. Kling holds a Ph.D. from the University of Maryland.



Matt Liebman, Ph.D.

Iowa State University

Planning Committee Member and Moderator

Matt Liebman is Professor and Henry A. Wallace Endowed Chair for Sustainable Agriculture at Iowa State University. Before joining the ISU faculty in 1998, Dr. Liebman worked at the University of Maine for 11 years. He became a fellow of the American Society of Agronomy in 2009 and was a member of the Institute of Medicine/National Research Council committee that produced the 2015 report titled "A Framework for Assessing Effects of the Food System." His research, teaching, and outreach activities focus on ways to improve environmental quality and agricultural productivity while reducing dependence on agrichemicals and fossil fuels. His specific interests include diversified cropping systems, weed ecology and management, and the use of native prairie species for biofuel production and soil, water, and wildlife conservation. Dr. Liebman is a member of the board of directors for Wheatsfield Cooperative Grocery in Ames, Iowa. He received an A.B. in biological sciences from Harvard and a Ph.D. in botany from the University of California, Berkeley.

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D. Julian McClements, Ph.D.

University of Massachusetts, Amherst

Planning Committee Member

Julian McClements is Distinguished Professor at the Department of Food Science at the University of Massachusetts, Amherst. He specializes in the areas of food biopolymers and colloids, and in particular on the development of food-based structured delivery systems for bioactive components. Dr. McClements is the sole author of *Future Foods: How Modern Science is Changing the Way We Eat* (2019), three editions of *Food Emulsions: Principles, Practice and Techniques* (1999, 2005, 2015) and of *Nanoparticle- and Microparticle-based Delivery Systems: Encapsulation, Protection and Release of Active Components* (2014), co-author of *Advances in Food Colloids* (1996) with Eric Dickinson, and co-editor of *Developments in Acoustics and Ultrasonics, Understanding and Controlling the Microstructure of Complex Foods, Designing Functional Foods*, *Oxidation in Foods and Beverages* (volumes 1 and 2) and *Encapsulation and Delivery Systems for Food Ingredients and Nutraceuticals*. In addition, he has published over 1000 scientific articles in peer-reviewed journals, 12 patents, as well as numerous book chapters and conference proceedings. Dr. McClements has previously received awards from the American Chemical Society, American Oil Chemists Society, Society of Chemical Industry (UK), Institute of Food Technologists, and University of Massachusetts in recognition of his scientific achievements. He is a fellow of the Royal Society of Chemistry, American Chemical Society (Agricultural and Food Division), and Institute of Food Technologists. His research has been funded by grants from the United States Department of Agriculture, National Science Foundation, U.S. Department of Commerce, NASA, and the food industry. He has secured funding worth over \$11.5 million as a PI or co-PI while working at UMASS. He is the co-editor of Annual Reviews in Food Science and Technology, and a member of the editorial boards of a number of other journals. He has organized numerous workshops, symposia, and international conferences in the field of food colloids, emulsions, and delivery systems. Dr. McClements received his Ph.D. in food science at the University of Leeds (United Kingdom) in ultrasonic spectrometry. He then did post-doctoral research at the University of Leeds, University of California (Davis) and University College Cork (Ireland).



Carrie McMahon, Ph.D.

U.S. Food and Drug Administration

Planning Committee Member

Carrie McMahon is Consumer Safety Office at the U.S. Food and Drug Administration. In this capacity, she is responsible for managing submissions to FDA's food ingredient programs. Her scientific expertise includes food ingredient safety assessment while her regulatory expertise is focused on the food ingredient provisions of the Federal Food, Drug, and Cosmetic Act. On a daily basis, she works with teams of scientific reviewers to evaluate the data and information submitted by the food industry supporting the safe use of new ingredients. In addition, Dr. McMahon frequently assists with educational outreach to consumers, to the food industry, and to foreign governments. Dr. McMahon earned her B.A. in biology from Drew University and her Ph.D. in cellular and molecular biology from the University of Pennsylvania.

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Rosamond (Roz) Naylor, Ph.D., M.Sc.

Stanford University

Invited Speaker

Rosamond (Roz) Naylor is the William Wrigley Professor of Earth System Science, Professor (by courtesy) in Economics, and founding Director of the Center on Food Security and the Environment (FSE) at Stanford University. Her research focuses on policies and practices to improve global food security and protect the environment on land and at sea. She works with her students in many locations around the world. In addition to her many peer-reviewed papers, Dr. Naylor has published two books on her work: *The Evolving Sphere of Food Security* (Naylor, ed., 2014), and *The Tropical Oil Crops Revolution: Food, Farmers, Fuels, and Forests* (Byerlee, Falcon, and Naylor, 2017). She is a Fellow of the Ecological Society of America, a Pew Marine Fellow, a Leopold Leadership Fellow, a Fellow of the Beijer Institute for Ecological Economics, and a member of Sigma Xi. Dr. Naylor serves as the President of the Board of Directors for Aspen Global Change Institute and is a member of the Scientific Advisory Committee for Oceana. She received her bachelor degrees in economics and environmental science from the University of Colorado, her masters in economics from the London School of Economics, and Ph.D. from Stanford University in applied economics.



Christian Peters, Ph.D., M.S.

Tufts University

Planning Committee Member, Moderator, and Invited Speaker

Christian Peters is Associate Professor at the Friedman School of Nutrition Science and Policy, Tufts University. He studies the sustainability of food systems using computational modeling and through interdisciplinary research. He is interested in understanding how dietary patterns influence sustainability, how much food can be supplied through locally and regionally-scaled systems, and how transdisciplinary approaches can help to design and study such systems. Since joining the faculty of the Friedman School in 2010, Dr. Peters has been engaged in multiple, collaborative research projects on regional food systems and sustainable diets. Some of his best-known work includes development of a framework for estimating the land requirements of diets and human carrying capacity and a spatial modeling approach for mapping potential foodsheds. Dr. Peters teaches in the Agriculture, Food, and Environment program where he offers courses in Agricultural Science and Policy and Food Systems Modeling. He received his B.S. in environmental sciences from Rutgers, The State University of New Jersey, and his M.S. and Ph.D. in soil and crop sciences from Cornell University.

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John R. Porter, Ph.D., D.Sc.

Fondation Agropolis Montpellier, University of Copenhagen, and University of Greenwich

Invited Speaker

John R. Porter is Scientific Consultant on the One Planet Fellowship Programme at the Fondation Agropolis Montpellier, France. He is also a Consultant Professor to the University of Montpellier and Mediterranean Agronomic Institute of Montpellier, as well as Emeritus Professor of Climate Change and Food Security at the University of Copenhagen. He is an internationally known agro-ecological scientist with an expertise in ecosystem services in agro-ecosystems, including agro-ecology, simulation modelling and food system ecology including that of cities. His main contribution has been multi-disciplinary and collaborative experimental and modelling work in the response of arable crops, energy crops and complex agro-ecosystems to their environment with an emphasis on climate change, ecosystem services and food systems. Dr. Porter has published around 170 papers in peer-reviewed journals with ca. 19000 citations. He has personally received three international prizes for his research and teaching and three others jointly with his research group. From 2011 to 2014, he led the writing of the critically important chapter for the IPCC 5th Assessment in Working Group 2 on food production systems and food security, including fisheries and livestock. This chapter was one of the most cited from the IPCC 5th Assessment and formed an important scientific bedrock of the COP21 agreement in Paris in 2015. He has recently become a member of the inter-disciplinary international working group on post-growth economics and founder member of the Advanced Research Institute at the University of Montpellier. Dr. Porter holds a B.Sc. First Class from the University of Wales, a Ph.D. from the University of Wales, and a D.Sc. from the University of Copenhagen.



Pradeep Prabhala, M.B.A.

McKinsey & Company

Invited Speaker

Pradeep Prabhala is Partner in the McKinsey & Company's Washington, DC, office. He is a leader in McKinsey's Agriculture and Food practice and in his role serves public, private and social sector clients across the food system. He has worked in more than 45 countries across Asia, Africa, Middle East, Europe and North America. He is passionate about resolving global food system related sustainability, inclusivity and nutrition challenges through his client work. More recently, he has been helping clients in the food sector adopt Digital technologies and Data and Analytics to improve organizational performance/ impact. He is an advisor to the World Economic Forum's New Vision for Agriculture initiative and has published extensively on food system issues. Prior to being a consultant, he spent several years in Unilever's business in India. Mr. Prabhala has an undergraduate mechanical engineering degree from Osmania University in India and an M.B.A. from Faculty of Management Studies, University of Delhi.

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Cynthia Rosenzweig, Ph.D., M.S.

NASA Goddard Institute for Space Studies & Columbia University

Invited Speaker

Cynthia Rosenzweig is Senior Research Scientist at the NASA Goddard Institute for Space Studies and the co-located Columbia University Earth Institute's Center for Climate Systems Research. She is also a Professor in the Department of Environmental Science at Barnard College. At NASA GISS, she heads the Climate Impacts Group whose mission is to investigate the interactions of climate (both variability and change) on systems and sectors important to human well-being. Dr. Rosenzweig is the Co-founder and a member of the Executive Committee of the Agricultural Model Intercomparison and Improvement Project (AgMIP), a globally integrated transdisciplinary study of climate impacts on the agricultural sector at national and global scales, including the participation of over 1000 leading researchers from developed and developing nations. She was Coordinating Lead Author on the Food Security Chapter for the IPCC Special Report on Climate Change and Land. She was also Coordinating Lead Author on observed climate change impacts for the IPCC Working Group II Fourth Assessment Report and was Co-chair of the New York City Panel on Climate Change, a body of experts convened by the Mayor to advise the city on adaptation and resilience. Further, she has led the effort to explore and quantify anthropogenic and climate change effects on the urban environment. She co-led the Metropolitan East Coast Regional Assessment of the U.S. National Assessment of the Potential Consequences of Climate Variability and Change, sponsored by the U.S. Global Change Research Program. She is also a lead editor on the *Urban Climate Change Research Network Assessment Report on Climate Change and Cities*. She was named as one of *Nature's* "Ten People Who Mattered in 2012." Dr. Rosenzweig earned her M.S. in soils and crops from Rutgers University, and her Ph.D. from the University of Massachusetts Amherst in plant, soil and environmental Sciences.

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Sylvia Rowe, M.A.T.

SR Strategy

Planning Committee Member and Food Forum Chair

Sylvia Rowe is President of SR Strategy, which addresses the science to communications to policy continuum on a broad range of global food system issues including agriculture, food, nutrition and sustainability.

She is also an Adjunct Professor at the University of Massachusetts Amherst and Tufts Friedman School of Nutrition Science and Policy. Ms. Rowe is also a member of the Food and Nutrition Board and the Roundtable on Obesity Solutions. She served on the National Academies' Science of Science Communications: A Research Agenda Consensus Committee. Ms. Rowe is a Contributing Editor and columnist of *Nutrition Today*, serves on the Tuft's Nutrition Advisory Council and has been recognized as an Honorary Member of the Academy of Nutrition and Dietetics (AND). Previously, Ms. Rowe served as president and chief executive officer of the International Food Information Council (IFIC) and IFIC Foundation, in Washington, D.C. She has served on several Boards and Advisory Committees of the following: American Heart Association, The Obesity Society, Food Allergy and Anaphylaxis Network, American Society for Nutrition, Washington D.C. Mayor's Commission on Food, Nutrition and Health, Grains for Health Foundation, University of Rochester Medical Center, Food and Drug Law Institute, Society for Nutrition Education Foundation, Maryland Title IX Commission and the American Society of Association Executives Foundation. Ms. Rowe received a bachelor's degree from Wellesley College and was awarded a master's degree from Harvard University, both with honors.



Kelsey Freeman Saelens, M.S.

Cargill, Inc.

Planning Committee Member and Food Forum Member

Kelsey Freeman Saelens is Director, Federal Government Relations, at Cargill, Inc. She joined the Washington office of Cargill, Incorporated, the Minnesota-based agribusiness company, as director of policy and government relations in January 2020. She is leading Cargill's food and

nutrition policy agenda and is serving as the lead government relations adviser and federal lobbyist for Cargill's food ingredient businesses. Prior to coming to Cargill, Ms. Freeman Saelens was Nestlé's manager of corporate and government affairs for five years, leading the company's policy agenda on human rights, global food security, ingredient sourcing, international trade and healthcare. Before joining Nestlé, she worked in government affairs at the National Confectioners Association and was a policy fellow for the House Energy and Commerce Committee. Ms. Freeman Saelens holds two degrees from the University of Maryland, College Park, and a master in public policy degree from The George Washington University.

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Ricardo Salvador, Ph.D., M.S.

Union of Concerned Scientists

Planning Committee Member and Invited Speaker

Ricardo Salvador is Director and Senior Scientist for the Food and Environment Program of the Union of Concerned Scientists. Salvador began his career with the Texas A&M University Extension Service, eventually joining the agronomy faculty at Iowa State University. At ISU, he helped establish the first graduate program in sustainable agriculture in the U.S., which he chaired. Subsequently, he was Program Officer for Food, Health and Wellbeing at the W.K. Kellogg Foundation. Ricardo earned his undergraduate degree in agricultural science from New Mexico State University and holds M.S. and Ph.D. degrees in crop production and physiology from Iowa State University.



Patrick J. Stover, Ph.D.

Texas A&M AgriLife & Texas A&M University College of Agriculture and Life Sciences

Planning Committee Member, Invited Speaker, and Food Forum Member

Patrick J. Stover is Vice Chancellor and Dean for Agriculture and Life Sciences at Texas A&M AgriLife, and Director of Texas A&M AgriLife Research. As vice chancellor, Dr. Stover oversees coordination and collaboration of the agriculture, academic and research programs across The Texas A&M University System, as well as four state agencies: Texas A&M AgriLife Research, Texas A&M AgriLife Extension Service, Texas A&M Veterinary Medical Diagnostic Laboratory and Texas A&M Forest Service. Dr. Stover is also director of AgriLife Research, where he oversees 13 research centers across the state with a research portfolio of more than 500 projects and \$214.2M in annual research funding. As dean of the College of Agriculture and Life Sciences, Dr. Stover leads more than 7,000 students and 330 faculty members in 15 academic departments. He previously directed the Division of Nutritional Sciences at Cornell University. An international leader in biochemistry and nutrition, Dr. Stover focuses his research on the biochemical, genetic and epigenetic mechanisms that underlie the relationships between folic acid and human pathologies such as developmental anomalies, neuropathies and cancer. He is an elected member of the National Academy of Sciences and a fellow of the American Association for the Advancement of Science. He is also former president of the American Society for Nutrition and has served two terms on the National Academies of Sciences, Engineering, and Medicine's Food and Nutrition Board. Dr. Stover received his Ph.D. in biochemistry and molecular biophysics from the Medical College of Virginia.

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Norbert Wilson, Ph.D., M.Sc.

Tufts University

Planning Committee Member

Norbert Wilson is Professor of Food Policy in the Friedman School of Nutrition Science and Policy. His research centers on food choice and food waste. Dr. Wilson uses experimental economics to explore how date labels influence future food waste, as well as behavioral underpinnings of food choice. He studies differences in food security across groups in the United States. Additionally, he has worked on food safety and quality issues in international trade and domestic food systems. He has published analyses of coffee quality and prices. Dr. Wilson has published in *American Economic Review: Papers and Proceedings*; *World Development*; *American Journal of Agricultural Economics*; *Journal of Public Health*, *Food Policy*, *Agricultural Economics*; among others. Before the Friedman School, Dr. Wilson was a professor of agricultural economics at Auburn University (1999-2016). He was an economist/policy analyst in the Trade Directorate (2004-2006) and the Agriculture Directorate (2001-2002) of the Organization of Economic Development and Cooperation (OECD) in Paris, France. In 2014-2015, Dr. Wilson was on sabbatical leave at the Dyson School of Applied Economics and Management at Cornell University. Dr. Wilson completed his masters in agricultural economics from Wye College, University of London, United Kingdom, where he was a Rotary International Fellow, and earned his doctorate in agricultural and resource economics from the University of California, Davis.