

POLICY & GLOBAL AFFAIRS DIVISION

Climate-Resilient Supply Chains: A Workshop**Panelist Bios**

This activity is supported by the National Academies [Science and Technology for Sustainability](#) program and funds from the National Academies George and Cynthia Mitchell Endowment for Sustainability Science. The workshop theme and topics build upon the 2021 workshop series [Fostering Sustainable and Resilient Supply Chains with Emerging Technologies](#).

PANEL 1: Setting the Stage: Supply Chains, Climate Change, Resilience

Claudia Tebaldi is an Earth Scientist at the Joint Global Change Research, PNNL. Dr. Tebaldi holds a Ph.D. in Statistics from Duke University, and was a postdoc and then a project scientist at NCAR from 1997 to 2007. Before returning as a staff member at NCAR in 2013, she worked as a research scientist for Climate Central, a research and communication organization for which she still serves as science advisor.

Dr. Tebaldi's research has been rooted in the analysis and statistical characterization of climate change projections and their uncertainty, as derived from climate models, with particular interest in the characterization of changes in extremes and changes at the regional scales. Dr. Tebaldi was a lead author in Working Group 1 of the Intergovernmental Panel on Climate Change, AR5, Chapter 12, *Long Term Projections, Commitments and Irreversibility*, and AR6, Chapter 12, *Climate Information for Regional Impacts and Risk Assessment*.

Özlem Ergun's research focuses on the design and management of large-scale and decentralized networks. She has applied her work on network design, management, and resilience to problems arising in many critical systems including transportation, pharmaceuticals, and healthcare. She has worked with organizations that respond to emergencies and humanitarian crises around the world, including USAID, UNWFP, UNHCR, IFRC, OXFAM America, CARE USA, FEMA, USACE, CDC, AFCEMA, and MedShare International. Dr. Ergun contributes regularly to Auribus Consulting, a Boston-based management consulting firm, as a logistics and analytics expert. Dr. Ergun has also been a leader in establishing a strong community of OR/MS professionals with an interest in public programs. She was the President of INFORMS Section on Public Programs, Service and Needs in 2013. She currently serves as the Area Editor at the Operations Research journal for Policy Modeling and the Public Sector Area. Dr. Ergun is also a founding co-chair of the annual Health and Humanitarian Logistics Conference, held annually since 2009.

Jessica Gephart is an Assistant Professor in Environmental Science at American University. Dr. Gephart received her PhD in Environmental Science from the University of Virginia and completed a postdoctoral fellowship at the National Socio-Environmental Synthesis Center. Her research focuses on the intersection of seafood globalization and environmental change,

evaluating how seafood trade drives distant environmental impacts, as well as how environmental shocks disrupt seafood trade. Her work brings together global trade data, local consumption data, and environmental impact data to understand the opportunities and risks of seafood globalization for sustainable production and food security.

PANEL 2: Climate Resilience Across the Food Supply Chain

Carmela Hinderaker is the Senior Director of Business Continuity and Customer Support at C&S Wholesale Grocers. She manages 5 customer service call centers that communicate with all 10,000+ C&S customers. Born and raised in Mississippi, the devastation of Hurricane Katrina compelled her to the field of emergency management. She became a planner in the New York City Office of Emergency Management and the New York City Department of Health and Mental Hygiene. During her time there, she developed over 30 response plans for New York City and the surrounding region. Carmela holds an undergraduate degree from Washington University in St. Louis and a Master in Public Health from Columbia University.

Joshua Merrill's career in the food and agriculture industry spans the entire end to end value chain and multiple countries. His passion is food and agriculture supply chains as the means to economic and rural development. He is still involved with his family farm in the heart of Indiana and is currently the Global Supply Chain Manager for the Rice targeted herbicide portfolio at Corteva AgriScience™. Josh started his career in agribusiness management consulting and also worked several years for Chiquita Brands in the produce/grocery retail sector. He holds a B.S. in Quantitative Agriculture Economics from Purdue and a Master of Engineering in Supply Chain from MIT.

Ruaraidh (Rory) Petre has been the Executive Director of the Global Roundtable for Sustainable Beef since 2012. He studied agriculture in Edinburgh, specialising in livestock production, and an MSc in tropical animal production and health. His early career was in commercial livestock and farm management in New Zealand, Australia and Scotland. Having a keen interest in development he went on to work in India, Pakistan and Afghanistan on farming systems and veterinary development programmes and Africa in a range of farmer support and development projects, serving as regional director for Solidaridad in Southern Africa as well as International Livestock Programme Coordinator until joining GRSB. Over the past decade he has seen the sustainable beef roundtable network grow to include 24 countries with a common commitment to making sustainable beef part of a thriving food system. The GRSB released its global goals covering Climate, Nature and Animal Welfare in early July 2021.

Panel 3: Communities and Food Supply Chains

Erin Biehl is the Program Officer for the Food System Sustainability and Public Health Program at the Johns Hopkins Center for a Livable Future. In this role, she coordinates research, policy and outreach activities related to the program's three focus areas: supporting urban food system resilience, reducing wasted food, and connecting what we eat with climate change. In addition to researching how to measure and support food system resilience and food security after disasters in the U.S, Erin works with U.S. local governments to integrate food systems into their disaster planning and policy.

Errol Schweizer led Grocery merchandising and purchasing at Whole Foods for over a decade, doubling department sales to over \$5 Billion annually. Errol has over 20 years of retail experience and was selected by Supermarket News as one of their Top 25 Retail Game Changers. His team launched thousands of innovative new products into household names and helped establish Non GMO, Halal, Kosher, and Fair Trade as major food trends. He also helped develop supply chains and production standards for cleaning products, grass-fed dairy, pastured eggs, sustainable tuna and more. Errol has experience in all areas of product development, including packaging, ingredient sourcing, pricing strategy, promotions, marketing, E-commerce channels and distribution. Currently, he is Co-founder, Strategic Advisor and Board Member for a number of high growth companies in the Natural and Organic Products industry. Errol is the Host and Co-Founder of The Checkout Podcast and is a frequent Forbes columnist.

David Visher has been helping small farmers succeed for 30 years. He built a produce distribution company, farmed 60 acres of specialty crops, and spent nine years with the University of California Cooperative Extension Small Farm Program where he worked directly with farmers and institutions to help small producers in business and marketing. Leaving academia he founded a successful firm that created educational opportunities for farmers and ranchers about business and marketing, strategic planning, and agritourism. Returning to the UC Sustainable Agriculture Program he was a Values Based Supply Chain Analyst for five years. Along the way he has directed seven NGO's, and since 2002 served as a consultant for the USAID Farmer to Farmer (F2F) program 17 times in 12 countries.

Panel 4: Rethinking Supply Chains for Climate Resilience

Kevin Lyons' research includes the integration of sustainability, diversity and inclusion criteria into Supply Chain, procurement, and contracting processes and operations to promote economic development and positive social determinants of health outcomes. He developed the Supply Chain Environmental Archeology research program/lab, which involves the archeological study of climate change and environmental impacts via the supply chain, big data analytics, risk assessment, decision analysis as well as product end-of-life and new product innovation research. He is the principal investigator for Newark Anchor Collaborative Research Institute, the New Jersey Economic Development Off-Shore Wind Port Purchasing Disparity Study, the Jersey City Purchasing Disparity Study, and the Mandela Washington Fellows Program. Previously, Dr. Lyons was the Chief Procurement Officer at Rutgers, The State University of New Jersey and he is an U.S. Air Force Veteran.

Tim Manning serves as Supply Coordinator for the White House COVID-19 Response Team, organizing the federal effort focused on securing, strengthening and ensuring a sustainable pandemic supply chain, working with departments and agencies to ensure there is sufficient personal protective equipment, tests, vaccines and related supplies and equipment. Prior to joining the White House COVID-19 Response Team, he had been an advisor and executive with the Pacific Disaster Center, a global applied research center managed by the University of Hawaii, and served on the faculty of the Disaster and Emergency Management studies program at Georgetown University.

Manning has spent his entire career focused on managing crises, previously serving as Deputy Administrator of the Federal Emergency Management Agency for Protection and National Preparedness, the Secretary of Homeland Security and Emergency Management for the State of New Mexico, as a firefighter-EMT, rescue mountaineer, and geologist. Raised just outside Chicago, Manning is a graduate of Eastern Illinois University and the University of St. Andrews.

Marty Matlock serves as Senior Advisor for Food Systems Resiliency at USDA. He previously was Executive Director of the University of Arkansas Resiliency Center and Professor of Ecological Engineering in the Biological and Agricultural Engineering Department. Dr. Matlock received his Ph.D. in Biosystems Engineering, M.S. in Botany, and B.S. in Agronomy from Oklahoma State University, is a registered professional engineer, a Board Certified Environmental Engineer, and a Certified Ecosystem Designer. His research focus is measuring and managing complex ecosystem processes at local to global scales. Dr. Matlock is the recipient of the 2018 CAST-Borlaug Agriculture Communications Award. He has served on the USEPA Science Advisory Committee for Agriculture, the US Secretary of Agriculture's Committee for the 21st Century, and as sustainability science advisor with conservation organizations and agricultural producer groups. He is a member of the Cherokee Nation and served as Chairman of the Cherokee Nation Environmental Protection Commission for the past 16 years.

Shanna N. McClain is the NASA Earth Science Divisions Global Partnerships Manager, the Applied Sciences Advisor on Risk Reduction and Resilience, and the Program Coordinator for Socioeconomic Impact Assessments. Dr. McClain also sits as a Visiting Scientist with the Environmental Law Institute working on issues related to environmental migration and displacement and environmental conflict and peacebuilding. She worked previously for the joint UNOCHA/UN Environment Emergencies Section on issues relating to complex and protracted crisis. She holds a PhD in Environmental Resources and Policy from Southern Illinois University, where her research focused on the integration of climate change adaptation, disaster response, and resilience into multilevel governance frameworks of international river basins.