

# Developing a Strategy to Evaluate the 5th National Climate Assessment

## Committee

### Kai N. Lee

#### Chair

Kai N. Lee is the principal of Owl of Minerva, LLC, a consulting firm working with philanthropic foundations, universities, and nonprofit organizations. Lee is an adviser on environmental DNA to Oceankind Labs. He is also a fellow of the Center for Ocean Solutions at Stanford University. Lee is Rosenberg Professor of Environmental Studies, emeritus, at Williams College, and served as a Program Officer for Science at the David and Lucile Packard Foundation from 2007 to 2015. He is the author of *Compass and Gyroscope* (1993) and co-author, with Howarth and Freudenburg, of *Humans in the Landscape* (2012). At the Packard Foundation, Lee developed means of targeting funding to achieve near-term practical results in conservation. Earlier in his career Lee was a White House Fellow at the U.S. Department of Defense, and a member of the Northwest Power and Conservation Council. He has also served on the Science Advisory Board of the U.S. Environmental Protection Agency. He holds a degree in experimental physics from Columbia University and a Ph.D. in the same field from Princeton. Lee has served on more than a dozen NASEM committees; he was the founding vice-chair of the Academies' committee to advise the U.S. Global Change Research Program and served in that role during the committee's review the third National Climate Assessment and has been a chapter review editor for the Fourth National Climate Assessment.

## **Ann Gallagher**

### **Member**

Ann M. Gallagher is the Science Education Coordinator for the National Park Service (NPS). She is serving as a governor-appointed Commissioner for the Maryland Commission on Parks and Recreation. Other recent experience includes being temporarily embedded in the Climate Change Response Program for the NPS. She has almost 20 years as the instructor of record teaching undergraduate courses in earth science and biology. In these positions, Gallagher leads navigation between stakeholder groups and institutions, to bring together interdisciplinary teams creating novel science products. For other nonprofit organizations, Gallagher has led numerous program evaluations. Her areas of expertise include science education, program management and evaluation, stakeholder and partner engagement, watershed and forest ecology, policy and public management, and communication of controversial science. Gallagher holds a Graduate Certificate in Environmental Policy and is an ESA Senior Ecologist, an ISA Certified Arborist, and a PMI Program Management Professional. Gallagher holds a Master of Science degree from the University of Maryland in watershed ecology and is currently pursuing a PhD in Public Administration and Policy at Old Dominion University's Strome School of Business School of Public Service bringing climate change science to land management planning.

## **Matthew Gribble**

### **Member**

Matthew Gribble is an environmental epidemiologist and Diplomate of the American Board of Toxicology (DABT) currently appointed as the Associate Chief for Research in Occupational, Environmental & Climate Medicine at the University of California, San Francisco. He has over a decade of experience in community-engaged and Tribal environmental health research on environmental exposures that may contribute to environmental health disparities. He has provided expert service on topics pertaining to planetary health, climate change and health, and oceans and human health, to the World Health Organization, Food and Agriculture Organization of the United Nations, and Intergovernmental Oceanographic Commission. He serves on the National Harmful Algal Blooms Committee, and the International Society for Environmental Epidemiology Anti-Racism Task Force. He is co-editor of an Oceans and Human Health textbook published in 2023. Gribble has previously served as a Science Advisor to the United States Geological Survey. He has received awards for the rigor and creativity of his research from the Universities Council on Water Resources and the Society of Toxicology Metals Specialty Section. In addition to his research program in the United States, he also has contributed to international climate change adaptation research in Bangladesh. Gribble holds a Ph.D. in Epidemiology from Johns Hopkins University.

## **Scott Kalafatis**

### **Member**

Scott Kalafatis is the Deputy University Director of the Northwest Climate Adaptation Science Center affiliated with the Climate Impacts Group at the University of Washington. Previously, Scott was an Assistant Professor of Sustainability at Chatham University, a Visiting Assistant Professor of Environmental Studies at Dickinson College, a National Science Foundation Ethical STEM Postdoctoral Researcher with the College of Menominee Nation, and a researcher with the Great Lakes Integrated Sciences and Assessments. Kalafatis is a social scientist with a research background focused on understanding collaborations between scientists and decisionmakers, how these collaborations contribute to decisions informed by climate science, what the ethical implications of these collaborations are, and how to train and support scientists pursuing them. Kalafatis has leveraged training methods and research design strategies from across a variety of social science and applied fields to evaluate the use of climate science in decisions made by local governments, tribal governments, and resource managers throughout the United States. Kalafatis holds MAs in Environmental Policy and Urban Planning, and a PhD in Resource Policy and Behavior from the University of Michigan.

## **Jessica Kronstadt**

### **Member**

Jessica Kronstadt is the Program Director at the Planetary Health Alliance, a global consortium of organizations committed to understanding and addressing the impacts of environmental change on human health and wellbeing. Previously, she was the Vice President for Research and Product Development at the Public Health Accreditation Board (PHAB) where she led PHAB's research and evaluation portfolio as well as the development of the most recent version of the national, consensus-based accreditation standards for state, Tribal, local, and territorial health departments. Throughout her career she has led or advised on numerous evaluations of public health and other health initiatives. For more than a decade, she led evaluation activities to determine the impact of health department accreditation. Her other evaluations of complex programs include CDC's Public Health Infrastructure Grant and the workforce development program to support the implementation of the HITECH Act. She has served as chair of both the Montgomery County (Maryland) Commission on Health and the AcademyHealth Public Health Systems Research Interest Group. Kronstadt received her MPP from Georgetown University and her BA from Amherst College.

## **Glynis C. Lough**

### **Member**

Glynis Lough is an Affiliate at the Aspen Global Change Institute (ACGI), where she also directs two collaboratives: the Practitioner Exchange for Effective Response to Sea Level Rise (PEERS) and the Science for Climate Action Network. Previous positions have included Vice President, Grants for the National Geographic Society; Deputy Director and Research Director, Food & Environment Program of the Union of Concerned Scientists; Chief of Staff for the Third National Climate Assessment with the U.S. Global Change Research Program; and AAAS Science and Technology Policy Fellow in the U.S. EPA Office of Air, Office of Policy Analysis and Review. Lough works with AGCI to advance collaborative learning processes that accelerate climate solutions, supporting effective co-development of practical, vetted, real-world knowledge. Throughout her work, Lough seeks to solve complicated issues by centering humans' lived experiences and co-developing knowledge to achieve meaningful outcomes. With a background in engineering, Lough brings a wealth of experience in air quality, climate change, food systems, social justice, public health, and conservation. Lough holds a PhD in Environmental Chemistry and Technology from the University of Wisconsin-Madison and a BS in Chemical Engineering from Case Western Reserve University.

## **Michelle Miro**

### **Member**

Michelle Miro is a Senior Information Scientist at the RAND Corporation and Professor at the Pardee RAND Graduate School. She has a broad portfolio of work across climate resilience and adaptation and disaster recovery for infrastructure, with a focus on the water sector. Her research supports international, federal, and local emergency, infrastructure, and resource management agencies with climate adaptation, disaster resilience and recovery, and water resources planning. Her recent projects have developed national and regional climate risk assessments of U.S. critical infrastructure systems, as well as climate services that support local to regional entities interpreting and acting on climate information. Miro holds an MS in Civil Engineering from the University of Illinois Urbana-Champaign and a PhD in Civil Engineering from the University of California, Los Angeles.

## **Ariane Pinson**

### **Member**

Ariane Pinson is the Climate Science Specialist for the US Army Corps of Engineers (USACE), Albuquerque District. She conducts climate resilience planning for both civil and military projects, advises on climate policy and guidance for USACE and the Department of the Army, and develops data and decision support tools to support climate resilience planning across the Department of Defense. She has a sustained research focus on climate change impacts to landscapes, ecosystems, and human adaptation and serves as the federal coordinating lead for the water chapter for the fifth National Climate Assessment. Pinson holds a PhD in Anthropology (Geoarchaeology/Paleoenvironmental Reconstruction) from the University of New Mexico and a BA in Geography.

## **Urooj Raja**

### **Member**

Urooj Raja is an Assistant Professor at the School of Communication at Loyola University Chicago in the Department of Advocacy and Social Change where her focus is on the human dimensions of environmental problems. Raja is an interdisciplinary social scientist whose work focuses on how the general public engages with and responds to climate change. Her recent work has been published in Scientific Reports and the Journal of Environmental Communication. She is currently a Review Editor for the Frontiers: Science and Environmental Communication Journal and sits on the Executive Section of the American Geophysical Union's (AGU) Science and Society Section and the Environmental Communication section of the National Communication Association (NCA). She has previous work experience in the field of environmental philanthropy (the Solutions Project), polling behavior (Pew Research Center), and with local and national decision-making bodies (NY State Assembly and the U.S. House of Representatives). Raja holds a PhD and an MA in environmental studies from the University of Colorado Boulder and a BA in history from Princeton University.??

## **Carlos Rodriguez Franco**

### **Member**

Carlos Rodriguez-Franco is a senior forester with the US Forest Service Research and Development and serves as the Deputy Chief from 2016-2018. worked for the National Institute of Forestry, Agriculture and Animal Husbandry Research (INIFAP) in Mexico for 25 years and served as the General Director from 1996-2000. His work focuses on forest inventories, silviculture, forest management, carbon sequestration, biochar, plant production techniques, forest plantations, and agroforestry systems. He has taken leadership training at the John F. Kennedy School of Government and with DIALOGOS. Awarded the category of National Researcher, by the National Organization of Researchers from 1987-2000 in Mexico for conducting outstanding research the results of which benefit Mexican technology and contribute to increased productivity or improve basic knowledge. Rodriguez-Franco holds a PhD in Forest Sciences from Yale University.

## **Kathleen Segerson**

### **Member**

Kathleen Segerson is a Board of Trustees Distinguished Professor of Economics at the University of Connecticut. She is an environmental economist, with a strong interest in collaborative interdisciplinary work. Her research within economics is primarily applied theory focused on the incentive effects of alternative environmental and conservation policy instruments, with applications to groundwater contamination, hazardous waste management, land use regulation, climate change, nonpoint pollution from agriculture, and protection of marine species. Dr. Segerson is a member of the National Academy of Sciences, Engineering and Medicine, a Fellow of the Association of Environmental and Resource Economists and of the Agricultural and Applied Economics Association (AAEA), and a fellow at the Beijer Institute of Ecological Economics in Stockholm. She has held numerous editorial positions and has served on a number of advisory boards, including the U.S. Environmental Protection Agency's Science Advisory Board (SAB) and the Committee on Valuing the Protection of Ecological Systems and Services. Segerson holds a PhD from Cornell University and a BA from Dartmouth College. She has served as a member of the National Academy of Science Advisory Committee for the U.S. Global Change Research Program (USGCRP) and Review Panel on the third National Climate Assessment, the National Research Council's Board on Agriculture and Natural Resources (BANR).

## **Kristin Marie Fischer Timm**

### **Member**

Kristin Timm is a Research Assistant Professor at the International Arctic Research Center at the University of Alaska Fairbanks. Dr. Timm's expertise is in science and climate change communication, and the people and processes at the interface of science and society. She is a member of the Alaska Climate Adaptation Science Center (AK CASC) leadership team, directing research and activities related to communication and actionable science. Prior to her time at UAF, she worked and studied with the Center for Climate Change Communication at George Mason University and has spent over a decade working as a science education project manager and professional science communicator in Alaska. Her dissertation investigated news coverage of the Fourth National Climate Assessment and the factors that influenced it. She has received several awards for her work, including the USGS Eugene M. Shoemaker Communication Award for effectiveness communicating complex scientific concepts. Timm has a Ph.D. in Communication from George Mason University, and a M.Sc. in Interdisciplinary Studies (Science Communication) and a B.A. in Rural Development: Land, Resources, and Environmental Management, both from the University of Alaska Fairbanks. She previously served as a member of the National Academies committee to review the fifth National Climate Assessment.

## **Steven Stichter**

### **Staff Officer**