Climate Change Education Roundtable
Member Biosketches

JAMES MAHONEY currently is retired from a 40 year career focused on environmental management and the earth sciences, with an emphasis on the atmospheric, climate, hydrological and oceanographic areas. He has undertaken diverse responsibilities in academic, corporate, national government and international settings. Most recently he was director of the U.S. Climate Change Science Program and deputy administrator of the National Oceanic and Atmospheric Association. He began his career as member of the Faculty of Public Health at Harvard University in its Department of Environmental Health Sciences. Drawing upon his Harvard experience, Dr. Mahoney co-founded the environmental management company Environmental Research and Technology, Inc. In 1984, Mahoney moved to the position of director of the Environmental Industries Center at the Bechtel Group, Inc. Dr. Mahoney entered full-time public service in 1988 as director of the National Acid Precipitation Assessment Program, working in the Executive Office of the President. He was awarded the U.S. Commerce Department Gold Medal in recognition of exceptional performance as director of NAPAP. Dr. Mahoney has also held positions as a senior vice president of the IT Group, Inc., an international environmental management firm and as an environmental advisor on several domestic and international matters. He has worked in more than 50 other nations in several different roles: negotiating and overseeing international joint venture technical companies, representing the U.S. government in specialist exchanges, advising government agencies (particularly in developing nations) on sustainable industry, fishery and agricultural practices, and advising several United Nations and other international agencies. Dr. Mahoney is a fellow and former president of the 12,000-member American Meteorological Society, which serves the atmospheric, oceanographic and hydrological fields. He has served on several committees of the National Academy of Sciences dealing with weather and climate, environmental protection and science education. In 1999, he completed a term as co-chairman of the NRC's Board on Atmospheric Science and Climate. Dr. Mahoney received a Ph.D. in meteorology from MIT, and a B.S. degree in physics from LeMoyne College.

CHARLES W. ANDERSON (aka Andy Anderson) is professor in the Department of Teacher Education at Michigan State University. Dr. Anderson's current research focuses on the development of learning progressions leading to environmental science literacy for K-12 and college students. He has used conceptual change and sociocultural research on student learning to improve classroom science teaching and science teacher education, science curriculum, and science assessment. Dr. Anderson is past president of the National Association for Research in Science Teaching. He has been co-editor of the *Journal of Research in Science Teaching* and associate editor of *Cognition and Instruction*. He recently served as a consultant to the National Research Council's Committee on Test Design for K-12 Science Achievement and as a member of the NRC's Committee on Science Learning, K-8. He served as a member of the National Assessment of Educational Progress's (NAEP) Science Framework Planning Committee and the NAEP Science Standing Committee. Dr. Anderson received a B.A. in chemistry,

an M.A. in science education, and his Ph.D. in science education from the University of Texas at Austin.

DAVID BLOCKSTEIN is a senior scientist with the National Council for Science and the Environment. He serves as Executive Secretary of the Council of Environmental Deans and Directors (CEDD) and the Council of Energy Research and Education Leaders (CEREL). He is the co-author with Leo Wiegman of the *Climate Solutions Consensus: What We Know and What To Do About It,* published by Island Press (2010). He is co-PI on the NSF-funded Climate Adaptation and Mitigation E-Learning (CAMEL) project www.camelclimatechange.org. He was a Congressional Science Fellow of the American Institute of Biological Sciences and American Society of Zoology, working with the House of Representatives Environment Subcommittee of the Science Committee. Dr. Blockstein has worked on policy issues that include increasing the representation of minorities in science, mechanisms to improve the linkage between science and decision-making on environmental issues and electronic processes to communicate scientific information on the environment. Dr. Blockstein has a B.S. in wildlife ecology from the University of Wisconsin and a M.S. and Ph.D. in ecology from the University of Minnesota.

F. STUART (TERRY) CHAPIN, III is a professor emeritus of ecology in the Department of Biology and Wildlife at the University of Alaska Fairbanks, where he joined the faculty in 1973. Most of his research is about the effects of changes in climate and wildfire on Alaskan ecology and rural communities. He is especially interested in ways that communities and agencies can develop options that increase sustainability of ecosystems and human communities over the long term in spite of rapid climatic and social changes. Through his research, he tries to determine how climate, ecology, and subsistence resources are likely to change in the future. This information should enable people to make more informed choices about options for long-term sustainability.

CARON CHESS is a curriculum coordinator and Professor of environmental communication at Rutgers University, Department of Human Ecology. Dr. Chess served as President of the Society for Risk Analysis and serves as member of the editorial board of *Risk Analysis.* In addition, she was a member of the National Academy of Sciences' (NAS) Committee on Risk Characterization, which was responsible for the seminal 1996 report *Understanding Risk: Informing Decisions in a Democratic Society,* and the NAS Committee on the Human Dimensions of Global Change. Also, she is the former director of the Rutgers' Center for Environmental Communication. Dr. Chess has written guidance materials that are used widely by government and industry practitioners including "*Communicating with the Public: Ten Questions Environmental Managers Should Ask*". Caron Chess studies risk communication and public involvement in environmental issues.

WILLIAM E. EASTERLING is the dean of the College of Earth and Mineral Sciences. Before his appointment as in July 2007, he served as founding director of the Penn State Institutes of Energy and the Environment (2001-2007). He worked as a Fellow in a Washington, D.C. think tank, Resources for the Future, and his first faculty appointment

in 1991 was in the Department of Agricultural Meteorology at the University of Nebraska. In 1997, Dr. Easterling joined Penn State as an Associate Professor of Geography and a Faculty Affiliate in the EMS Environment Institute. Professor Easterling's research interests focus on global warming and its potential effects on the world's food supply. He is also interested in the use of weather and climate information in practical decision making. Professor Easterling has more than 80 peer-reviewed publications and has actively participated in numerous committees of the National Research Council and the National Science Foundation, among others. He was a convening lead author in the most recent report (2007) of the Intergovernmental Panel on Climate Change (IPCC) and was a member of the IPCC author team that was awarded the 2007 Nobel Peace Prize for advancing understanding of climate change and its implications for society. In December 2009, he was named a fellow of the American Association for the Advancement of Science. Dr. Easterling earned his bachelor's, master's, and doctorate degrees from the University of North Carolina.

LYNN ELFNER is chief executive officer at the Ohio Academy of Science, Columbus, Ohio. He has also worked at the Mt. Orab Local School District, Ohio State University, Ohio Environmental Council, and Ohio Office of Budget and Management. Dr. Elfner is a Fellow of the American Association for the Advancement of Science (AAAS) and has received many awards, including the Honorary 100 from Ohio in Natural Resources; Centennial honoree and Friend of Science Award, Science Education Council of Ohio; President's Award, Ohio Alliance for the Environment; and President's Award from Ohio School Boards Association. Current activities include: archivist and board of directors, National Association of Academies of Science; councilor, Ohio State Chapter, Sigma Xi; Member of the National Board of Directors of Sigma Xi and Chair of the Awards Committee; Director of the North Central Regional Caucus of Sigma Xi; ex officio member, board of trustees, OAS; board of directors, ex officio alternate member, board of trustees, Ohio Historical Society; Co-Organizer of the National Academies National Convocation on State Science and Technology Policy Advice and a member of the National Research Council's Climate Change Education Roundtable. He received a B.S. and M.S. in botany from The Ohio State University and an Honorary Doctor of Science from Ohio Northern University.

JAMES E. GERINGER was the 30th Governor of Wyoming. Currently he is the director of policy and public sector strategies for the Environmental Systems Research Institute (ESRI) in Redlands, California. From 1967 to 1977, he served in the United States Air Force. He has also worked at the Missouri Basin Power Project's Laramie River Station. In 1982, Geringer successfully ran as a Republican for a seat in the Wyoming House of Representatives. After serving there for six years, he won a seat in the Wyoming Senate. In 1994, State Senator Geringer was elected as Wyoming's governor. As governor, he helped pass laws that regulated class action lawsuits, reformed bankruptcy laws, toughened crime laws, legalized charter schools, and lowered taxes. However, he broke with the Republican Party in supporting environmental rulings and the Equal Rights Amendment. Geringer is one of the founding governors of Western Governors University (WGU) and is currently chairman of the WGU Board of Trustees

and a member of the National Research Council's Climate Change Education Roundtable. He has a B.S. in mechanical engineering from Kansas State University.

PATRICIA GOBER is currently professor of geographical sciences and sustainability at Arizona State University. Dr. Gober is also co-director of the National Science Foundation's Decision Center for a Desert City which studies water management decisions in the face of growing climatic uncertainty in the greater Phoenix area. Her current research centers on issues of water management and environmental change in metropolitan Phoenix. She is especially interested in the use of science and visualization for real-world decision-making. She is a past president of the Association of American Geographers, former member of the Population Reference Bureau's Board of Trustees and the Science Advisory Board of NOAA, and former chair of the College Board's Advanced Placement Human Geography Committee. Her most recent book, *Metropolitan Phoenix: Place Making and Community Building in the Desert*, was published by the University of Pennsylvania Press in 2006. She holds an honorary doctorate of science from Carthage College in Kenosha, Wisconsin, is a fellow of the American Association for the Advancement of Science, and was awarded the Prince Sultan Abdulaziz International Price for Water in November, 2008 and the ASU Alumni Association's Faculty Research Award in February, 2009. Dr. Gober received a Ph.D. in geography from the Ohio State University.

JOSEPH HEIMLICH is professor of environmental education and interpretation at The Ohio State University and a senior research associate with the Institute for Learning innovation. He has been engaged in the arena of environmental free-choice learning for 16 years as a professor and before that as an Extension Associate with OSU Extension. His research focuses on free-choice learning and the environment, program evaluation in free-choice environmental education learning institutions and lifespan learning. Dr. Heimlich is a past president of the North American Association for Environmental Education (NAAEE), and is active nationally and internationally as an evaluator of Environmental Education and conservation education programs. He has received multiple awards for his extension work, as well as the NAAEE Outstanding Contributions to Research in Environmental Education. Dr. Heimlich holds a B.A. in communication arts, theatre and dance from Capital University, and a M.A. in Policy Education and Ph.D. in adult education and learning theory from The Ohio State University.

ROBERTA JOHNSON is the executive director of the National Earth Science Teachers Association (NESTA) and director of Special Projects at the University Corporation for Atmospheric Research (UCAR) Office of Education and Outreach. In addition to her roles at NESTA and UCAR, Dr. Johnson is a research scientist in the High Altitude Observatory at the National Center for Atmospheric Research, which is managed by UCAR. NESTA is a nonprofit educational organization that works to advance and improve Earth science education at all levels. Dr. Johnson was the founding director of the UCAR Office of Education and Outreach from 2001 - 2010. Prior to that, she was a research scientist at the University of Michigan in Ann Arbor, where she started *Windows to the Universe*, an award winning Web-based educational tool, and a research geophysicist at SRI International. She serves on numerous advisory boards for projects in

science education, outreach, and diversity, and has extensive experience advising the National Aeronautics and Space Administration, the National Science Foundation, and a variety of professional societies. She is the chair of the International Council for Science (ICSU) Ad Hoc Review Panel on Science Education. She holds a B.S., M.S, and Ph.D. in geophysics and space physics from the University of California, Los Angeles.

LOUISA KOCH is director of the National Oceanic and Atmospheric Association's Office of Education, which is responsible for educating the public about the role of the ocean, coasts, Great Lakes and atmosphere in the global environment and developing the next generation of professionals capable of understanding and managing those resources. As director, she chairs the NOAA Education Council, which consists of education directors from all major education programs within NOAA. She served as NOAA's deputy assistant administrator for research in Silver Spring, Maryland. Before joining NOAA, Ms. Koch served as the commerce branch chief at the Office of Management and Budget. She served as a presidential management intern at the Department of Defense and as an economist with the Joint Economic Committee in the U.S. Congress. Ms. Koch is a member of the National Research Council's Climate Change Education Roundtable. Ms. Koch earned a M.S. in electrical engineering from the Massachusetts Institute of Technology, and a B.S. in physics from Middlebury College, Middlebury, Vermont.

TAMARA SHAPIRO LEDLEY is senior scientist and chair of the Center for Science Teaching and Learning at Technical Education Research Center (TERC) and chair of the Climate Literacy Network. She has conducted research in earth system science and climate science with an emphasis on the polar regions at Rice University. Dr. Ledley's work in earth system science education includes developing museum exhibits, contributing science content to planetarium shows, directing teacher training programs, developing earth system science and climate science curriculum materials, and facilitating the use of earth science data in educational contexts. Dr. Ledley led the development of the Earth Exploration Toolbook which won the Science Prize for Online Research in Education from Science Magazine; the Digital Library for Earth System Education Data Services and AccessData projects; and the DataTools teacher professional development program. She is currently leading climate literacy projects that include the Climate Literacy and Energy Awareness Network (CLEAN) and EarthLabs. Dr. Ledley has served as chair of the Standing Committee for Education and as vice president for the Federation of Earth Science Information Partners (ESIP Federation); and is a member of the board of directors of the Foundation of Earth Science for the ESIP Federation. Dr. Ledley also served as chair of the Committee on Global and Environmental Change of the American Geophysical Union. She received a B.S. in astronomy from the University of Maryland, and a Ph.D. in meteorology and physical oceanography from the Massachusetts Institute of Technology.

ANTHONY LEISEROWITZ is a research scientist at the Yale University School of Forestry & Environmental Studies and Director of the Yale Project on Climate Change Communication. He is an expert on public opinion about climate change and the environment. His research investigates the psychological, cultural, and political factors that influence environmental attitudes, policy support, and behavior. He conducts

research at the global, national, and local scales, including many surveys of the American public. He also conducted the first study of worldwide public values, attitudes, and behaviors regarding sustainability, including environmental protection, economic prosperity, and human development. He has served as a consultant to the John F. Kennedy School of Government (Harvard University), the United Nations Development Program, the Gallup World Poll, and the World Economic Forum.

ROBERT LEMPERT is senior physical scientist at RAND and professor at the Pardee RAND Graduate School. He is an expert in science and technology policy, with a special focus on climate change, energy, and the environment. He was a contributor to the Intergovernmental Panel on Climate Change, which was awarded the Nobel Prize for Peace in 2007. Dr. Lempert is an internationally-known scholar in the field of decision-making under conditions of deep uncertainty. He is a fellow of the American Physical Society, a member of the National Research Council's Climate Research Committee, and a member of the Council on Foreign Relations. Dr. Lempert is principal investigator of a National Science Foundation funded center on climate change decision making, which studies how policy-makers can best use uncertain climate forecasts to support important decisions. He is co-leading a project comparing the effectiveness of carbon taxes and the cap and trade system in reaching long-term climate goals, and has recently completed a study on the Federal role in providing terrorism insurance. Dr. Lempert is an author of the book *Shaping the Next One Hundred Years: New Methods for Quantitative, Longer-Term Policy Analysis*. He received his B.S. in physics and political science from Stanford University, and an M.S. in applied physics and science policy and a Ph.D. in applied physics from Harvard University.

MICHAEL MCELROY was appointed Abbott Lawrence Rotch Professor of Atmospheric Sciences at Harvard University in (1970-1997). At Harvard, he served as Director of Center for Earth and Planetary Physics (1975-1978), as founding Chair of the Department of Earth and Planetary Sciences (1986-2000), as Chair of the University-wide Committee on the Environment (1991-2001), as first Director of the Center for the Environment (2001-2004), and more recently as the Gilbert Butler Professor of Environmental Studies (1997-present) He is the author of more than 200 technical papers and a major textbook on topics ranging from planetary atmospheres, to stratospheric ozone, to the chemistry of the troposphere, to changes in biogeochemical cycles and factors underlying both natural and human-induced changes in global climate with a more recent text addressing issues relating to past and future potentials for sustainable energy. He has been engaged more recently in studies of the environmental consequences of rapid industrialization in China, exploring strategies to minimize adverse effects of this industrialization while accommodating at the same time China's legitimate aspirations for economic development. In addition to his work at Harvard, McElroy served as Chair of the Board of Trustees of the International Research Institute at Columbia University, is a member of the Board of the World Media Foundation, and in the past as board member of the Climate Institute, and Atmospheric and Environmental Research Inc. He a Member also of the China Council for International Cooperation on Environment and Development, an organization set up in 1993 to advise the Chinese Government on matters relating to sustainable development.

JANET PEACE is the vice president of markets and business strategy at the Center for Climate and Energy Solutions (C2ES). In this role, she manages the center's Business Environmental Leadership Council (BELC), the largest US-based association of companies devoted to climate-related policy and corporate strategies. BELC includes more than 40, mainly Fortune 500, companies with combined revenues of over $2 trillion and over 4 million employees. In addition, she manages the center's economics program and its analysis of market-based policy options. Previously, Dr. Peace held the same role at the Pew Center on Global Climate Change, C2ES's predecessor organization. Dr. Peace brings more than 20 years and a wide spectrum of experience on environmental issues to her work at C2ES. As director of Offsets Development and Industry Relations at the Canadian non-profit "C3" (formerly Climate Change Center), she worked to develop cost-effective climate policy options for industry and all levels of government. Also, she has taught environmental and natural resource economics at the University of Calgary, and worked as a resource specialist with the U.S. General Accounting Office and as a geologist with the U.S. Geological Survey. Dr. Peace holds a B.S. in geology, and an M.S. and a Ph.D. in economics.

WALTER STAVELOZ is director of International Relations at the Association of Science-Technology Centers (ASTC). Mr. Staveloz designed the science center field's first worldwide collaboration on a specific issue in conjunction with the International Polar Year. He is currently developing strategic initiatives to position ASTC and its members as recognized leaders in the public understanding of science, establishing international goals that address strategic objectives for ASTC and its members, and conceptualizing projects for international participation. Mr. Staveloz is PI of Communicating Climate Change (C3) and a member of the ASTC Science & Society working group. Previously he was executive director of Ecsite, European Network of Science Centres and Museum. During his tenure, Mr. Staveloz created YESS (Yearly European Science and Society Day), in collaboration with the Network of European Foundations for Innovative Cooperation. He was also responsible for the Improving Science Communication in Science Centers and Museums Program, initiated the PENCIL project, an EU-funded program designed to bridge the gap between informal and formal science teaching and led Ecsite Directors Forums including topics related to informal learning and Climate Change. He has also served as secretary general of Focus Research: the Belgian Association for the Advancement of Science. He has a B.S. in the sociology of labor and a Certificate in Marketing.

WILL TRAVIS is the Senior Advisor to the Bay Area Joint Policy Committee, which is coordinating the efforts of four regional agencies to advance future economic prosperity and address climate change in the land use planning of the San Francisco Bay region. At the end of 2011, he retired from his post as the executive director of the San Francisco Bay Conservation and Development Commission, commonly called BCDC, the state agency that regulates development in the Bay and along its shoreline. He spent most of his career working for California state coastal management agencies, including twelve years at the California Coastal Commission. He was BCDC's deputy director for ten years before he as appointed executive director in 1995. Will spearheaded the public acquisition of 10,000 acres of privately-owned salt ponds along the northern shoreline of

San Francisco Bay so the ponds can be restored to coastal wetlands. He has been a lecturer at universities throughout North America, has written many articles, has served on the Berkeley city planning commission, as well as the boards of directors of a number of professional and civic organizations, and was chairman of a special committee that worked with the University of California to formulate a new plan for downtown Berkeley. Will is the 2009 recipient of the Jean Auer Environmental Award presented by the San Francisco Estuary Partnership and the 2013 recipient of the Frank C. Boerger Award presented by the Bay Planning Coalition. He and his wife, Jody Loeffler, are the authors of *Katherine's Gift*, a memoir on international adoption. With 330 square miles of low-lying filled land along the Bay shoreline, Will has become a strong advocate for a regional strategy to address climate change and sea level rise in the Bay Area. He earned Bachelor of Architecture and Master of Regional Planning degrees, both from Penn State University.

EX-OFFICIO

DAVID CAMPBELL is a Program Director in the Division of Research and Learning in Formal and Informal Settings at the National Science Foundation. As part of his position, he reviews education proposals submitted to the National Science Foundation, recommends proposals for funding, and manages awards for their duration. Additionally, he works with several programs at NSF: Discovery Research K-12; Innovative Technology Experiences for Students and Teachers; Climate Change Education Partnerships; Improvements in Facilities, Communications, and Equipment at Biological Field Stations and Marine Laboratories; and Advanced Technology Education. Dr. Campbell serves on NSF's working group for climate change education. Previously, he was Chair and Associate Professor of the Biology Department at Rider University; his research focused on the behavioral ecology of marine invertebrates. Dr. Campbell is a member of Sigma Xi. He received a B.S. in zoology and a Ph.D. in biological sciences from the University of Rhode Island, and an M.S. in marine biology from the Florida Institute of Technology.

GREGORY CROSBY is the national program leader for sustainable development at the U.S. Department of Agriculture. He is the NIFA National Program Leader for Sustainable Development and Agency Representative to the USDA Council for Sustainable Development. Dr. Crosby is the U.S. Government and USDA's lead for "My Community, Our Earth: Geographic Learning for Sustainable Development" and director of the Agency OneSolution Business Process. He is also the director of Geospatial Extension Specialists NRI Program and co-lead for the Agency Working Group on Science for Sustainability. He is also the senior eGovernment fellow at the Council for Excellence in Government, and served on the NRC Steering Committee on Federal Sustainability and Development. He holds a Ph.D.

JILL KARSTEN is a program director at the National Science Foundation within the Directorate for Geosciences (GEO). In that capacity, she manages competitive grant programs focused on strengthening geoscience education practice and improving public

Earth system science literacy nationwide. She is co-chair of the NSF Climate Change Education Working Group and a member of education-focused interagency working groups of the U.S. Global Change Research Program. She serves as co-executive secretary for the National Science Board Committee on Education and Human Resources and represents GEO on the NSF-wide Ethics Education in Science and Engineering (EESE) Working Group. A marine geologist by training, Dr. Karsten spent 12 years on the research faculty in the School of Ocean and Earth Science and Technology at the University of Hawai'i at Manoa. Her research has included studies of the volcanic and tectonic processes that occur at mid-ocean ridges in the Northeast and Southeast Pacific oceans, as well as studies on water in magmatic systems. She is author or co-author of 25 peer-reviewed publications and has participated in 16 research cruises (4 as Chief or Co-Chief Scientist). Prior to joining NSF in November 2005, she served as a program officer in the Marine Geology and Geophysics program (1-year IPA) at the Office of Naval Research, followed by four years as the education manager for the American Geophysical Union. Dr. Karsten has a B.A. degree in geochemistry from Wellesley College and M.S. and Ph.D. degrees in geological oceanography from the University of Washington.

LOUISA KOCH is director of education for the National Oceanic and Atmospheric Administration. Ms. Koch is responsible for educating the public about the role of the ocean, coasts, Great Lakes, weather and climate in the global environment and developing the next generation of professionals capable of understanding and managing those resources. Ms. Koch serves on the National Science and Technology Council's Committee on Science, Techonology, Engineering and Math (CoSTEM) education. She chairs NOAA's Education Council. Ms. Koch served as NOAA's deputy assistant administrator for oceanic and atmospheric research. Before joining NOAA, Ms. Koch served as the commerce branch chief at the Office of Management and Budget. She served as a presidential management intern at the Department of Defense and as an economist with the Joint Economic Committee in the U.S. Congress. Ms. Koch is a member of the National Research Council's Climate Change Education Roundtable. Ms. Koch earned a M.S. in electrical engineering from the Massachusetts Institute of Technology, and a B.S. in physics from Middlebury College, Middlebury, Vermont.

MICHAEL LACH is currently the Director of STEM Education and Strategic Initiatives at the Urban Education Institute of the University of Chicago. Previously, he was appointed by Secretary Arne Duncan to lead science and mathematics education efforts at the U. S. Department of Education. Mr. Lach began his professional career teaching high school biology and general science at Alceé Fortier Senior High School in New Orleans in 1990 as a charter member of Teach For America. After 3 years in Louisiana, he joined the national office of Teach For America as Director of Program Design, developing a portfolio based alternative-certification system that was adopted by several states. Returning to the science classroom in 1994 in New York City Public Schools, and then back to Chicago in 1995, he was named one of Radio Shack's Top 100 Technology Teachers, earned National Board Certification, and was named Illinois Physics Teacher of the Year. He has served as an Albert Einstein Distinguished Educator Fellow, advising Congressman Vernon Ehlers (R-MI) on science, technology and education issues. He was lead curriculum developer for the *Investigations in*

Environmental Science curriculum developed at the Center for Learning Technologies in Urban Schools at Northwestern University and published by It's About Time, Inc. As an administrator with the Chicago Public Schools, he led the district's instructional improvement efforts in science and mathematics in a variety of roles between 2003 and 2009, ultimately becoming Officer of Teaching and Learning overseeing curriculum and instruction in 600+ schools. He earned a bachelor's degree in physics from Carleton College, and master's degrees from Columbia University and Northeastern Illinois University.

JOEL SCHERAGA is the Senior Advisor for Climate Adaptation in U.S. Environmental Protection Agency's Office of Policy (OP) in the Office of the Administrator. He is leading EPA's efforts to develop and implement a Climate Change Adaptation Plan to ensure its programs, policies, regulations, and operations are effective even as the climate changes. This work is done in partnership with other federal and state agencies, local communities, private enterprise, and universities around the country. He also represents EPA on the federal Interagency Climate Change Adaptation Task Force, established by Executive Order in October 2009 to develop recommendations for President Obama on how the nation might adapt to climate change impacts. Prior to assuming his current position, Dr. Scheraga served as the National Program Director for EPA's Global Change Research Program in the Office of Research and Development from 1998-2009. He was the EPA Principal Representative to the U.S. Global Change Research Program (USGCRP), which coordinates and integrates scientific research on climate and global change supported by the U.S. Government. Dr. Scheraga served as a Lead Author and Contributing Author for the Intergovernmental Panel on Climate Change (IPCC), which was awarded the 2007 Nobel Peace Prize. He is a Fellow of the Institute for Science, Technology and Public Policy in The Bush School of Government and Public Service at Texas A&M University. Dr. Scheraga received an A.B. degree in geology-mathematics/physics from Brown University in 1976, an M.A. in economics from Brown University in 1979, and a Ph.D. in economics from Brown University in 1981.

BILL VALDEZ is director of the Office of Workforce Development for Teachers and Scientists within the U.S. Department of Energy's Office of Science. His responsibilities include developing workforce strategies for the Department's scientific and technical workforce, and creating opportunities for students and educators to participate in the Nation's research enterprise as a means to improving the competitiveness of U.S. industry and overall scientific literacy. Mr. Valdez was the Director of Planning and Analysis at the Department of Energy's Office of Science. His responsibilities included corporate strategic planning, R&D evaluation, and Federal S&T policy development. Mr. Valdez was awarded the Presidential Rank Award (meritorious) in 2007, was elected as a fellow of the American Association for the Advancement of Science in 2006, and is vice chair of the Senior Executive Association's Board of Directors. Prior to working at DOE, Mr. Valdez was as a senior project manager in private industry where he provided strategic planning services to Asian and European multinational corporations. Mr. Valdez received a B.A. from the University of Texas, and M.A. in international economics and energy policy from the Johns Hopkins School of Advanced International Studies.

MING-YING WEI is the program manager for Earth Science Education and Outreach in the Earth Science Division of the Science Mission Directorate at NASA. Dr. Wei is responsible for the development and execution of educational investments in Earth science at NASA that include early-career and graduate research, formal (K-16) and informal education, and public outreach. She co-chairs the Education Interagency Working Group of the U.S. Global Change Research Program with representatives from NSF and NOAA. She joined NASA Headquarters in 1990 as an Associate Program Scientist for the Earth Observing System (EOS) Program. She has worked as a research scientist at the University of Wisconsin, Madison, as well as a "rotator" at the National Science Foundation in the Atmospheric Science Division in the 1980's. Dr. Wei received her education in Taiwan. Upon graduating from college, she started her graduate studies at the University of Oklahoma and received her Ph.D. in meteorology.