



## International Climate — SYMPOSIUM —

### Biographies of Confirmed Speakers and Moderators Science-Based Choices for Climate Action: Insights from the IPCC 6<sup>th</sup> Assessment Report

**Jesse Abrams** is a postdoctoral research fellow at the University Exeter. His research focuses on understanding and quantifying human induced change acting on the natural environment and stretches across multiple disciplines including climate, biodiversity, conservation, geoengineering, and pollution. His current project explores the use of data science to understand and address issues of sustainability. Jesse earned his doctorate degree from Jacobs University Bremen and is a 2009 graduate of Dickinson College.

**Bryan Alexander**, Senior Scholar at Georgetown University, is an internationally known and award-winning futurist, researcher, writer, speaker, consultant, and teacher. He currently teaches in Georgetown's Learning, Design, and Technology graduate program. After obtaining a PhD in English literature from the University of Michigan, he taught literature, writing, multimedia, and information technology studies at Centenary College of Louisiana. From 2002 to 2014 Bryan worked with the National Institute for Technology in Liberal Education, a non-profit helping small colleges integrate digital technologies, before launching his own consulting firm. He has been interviewed by and featured in the Wall Street Journal, Washington Post, MSNBC, US News and World Report, National Public Radio, the Chronicle of Higher Education, and Pew Research. He created and runs the weekly Future Trends Forum video program. His most recent books include

Academia Next and Universities on Fire: Higher Education in the Climate Crisis (Johns Hopkins University Press).

**Ko Barrett**, Vice-Chair of the IPCC, is the Senior Advisor for Climate at the National Oceanic and Atmospheric Administration (NOAA) where she provides strategic advice and scientific leadership for climate research, applications, and services to coordinate and integrate activities across NOAA's portfolio of climate-related programs. In 2015, Ko Barrett was one of the first women elected to serve as a vice chair of the IPCC. For over 15 years, she has represented the United States on delegations charged with negotiating and adopting scientific assessments undertaken by the IPCC. She has also served for over a decade as a lead negotiator for the United States on the United Nations treaty on climate change. Ko Barrett is widely recognized as an expert on climate policy, particularly on issues related to climate impacts and strategies to help society adapt to a changing world.

**Heather Plumridge Bedi** is an Associate Professor of Environmental Studies at Dickinson College. Her research focuses on environmental and social justice, agricultural dispossession, and just energy transition geographies. She received a Fulbright Nehru academic and professional excellence fellowship to examine solar energy in India. Her research has been funded by the Cambridge Political Economy Society Trust, the UK-India Education Research Initiative, the

Foundation for Pennsylvania Watersheds, and a Mellon Foundation grant at Dickinson College. Her current work examines the everyday of energy justice and climate change vulnerabilities in South Asia. She serves on the Pennsylvania Department of Environmental Protection's Environmental Justice Advisory Board and the Cumberland County Food Systems Alliance's board. Dr. Bedi received the American Association of Geographer's Harm de Blij Award for Excellence in Undergraduate Teaching.

**Will Bernstein** is the Climate and Energy Manager in Pittsburgh's Department of City Planning where he works on implementation of the City's climate action plan with a focus on municipal operations, climate budgeting, and transportation. Will joined City in 2019 through the American Cities Climate Challenge. Prior to that he worked for over ten years at the Allegheny Conference on Community Development as a policy analyst and manager of neighborhood development programs.

**Gabriel Blanco** is a Full-time Professor at Universidad Nacional del Centro en Argentina. He has been part as a coordinating lead author of the Working Group III of the IPCC in the evaluation assessment cycles 5 and 6. Blanco is a senior consultant for national and international institutions on energy and climate related issues. He was part of the Argentina's negotiation team in the UNFCCC and former chair of the Technical Executive Committee. During 2020, Blanco was appointed as National Director of Climate Change at the Ministry of Environment and Sustainable Development in Argentina.

**Gillian Bowser**, Associate Professor in the Department of Ecosystem Science and Sustainability, Colorado State University, focuses on ecological indicators of climate change. She places special emphasis on sustainability, citizen-scientist engagement, and encouraging more students from underrepresented backgrounds to study science. Bowser has worked as a wildlife biologist and ecologist for the U.S. National Park Service in Yellowstone, Grand Tetons, Joshua Tree and Wrangell St. Elias, and was an AAAS Science and Diplomacy Fellow in 2011. She serves on the board for the Rocky Mountain Sustainability and Science Network, and participated in the U.N. Framework on Climate Change Convention and U.N. Global Environmental Outlook.

**Tim Carter**, President of Second Nature, is founding Director of Butler University's Center for Urban Ecology (CUE). Through partnerships Carter developed across the city of Indianapolis, as well as through his work with staff, faculty, students, and leadership at the university, the Center became not only a successful place for the study of ecology but also a participant in increasing the sustainability of the city and campus. The CUE also led efforts to develop Butler's climate strategy including signing the Carbon Commitment, developing Butler's Climate Action Plan, and hiring Butler's first sustainability officer.

**Rachel Cleetus** is the policy director with the Climate and Energy program at the Union of Concerned Scientists. She leads the program's efforts in designing effective and equitable policies to address climate change, and advocating for their implementation. Dr. Cleetus is an expert in policies to promote clean energy and drive deep cuts in heat-trapping emissions from the power sector, including carbon pricing and complementary sector-based policies. She also does research on the risks and costs of climate impacts and is an expert on policies to promote climate resilience. She has co-authored numerous reports and articles including the recent UCS reports *Underwater: Rising Seas, Chronic Floods, and the Implications for US Coastal Real Estate*; *Surviving and Thriving in the Face of Rising Seas Building Resilience for Communities on the Front Lines of Climate Change*; and *The US Power Sector in a Net Zero World: Analyzing pathways for deep carbon reductions*.

**Armond Cohen** is co-founder and President of Clean Air Task Force, which he has led since its formation in 1996. In addition to leading CATF, Armond is directly involved in CATF research and advocacy on the topic of requirements to deeply decarbonize global energy systems. Prior to his work with CATF, Armond founded and led the Conservation Law Foundation's Energy Project starting in 1983, focusing on energy efficiency, utility resource planning, and electric industry structure. Armond has published numerous articles on climate change, energy system transformation, and air pollution; he speaks, writes, and testifies frequently on these topics. He is a member of the Keystone Center Energy Board and board member of the Nuclear Innovation Alliance. Armond is an honors graduate of Harvard Law School and Brown University. He was awarded the Sam Rose and Julie Walters Prize for Global Environmental Activism at Dickinson College in 2020.

**Greg Czarnecki** is the Director of Applied Climate Science for the Pennsylvania Department of Conservation and Natural Resources. He oversees climate change adaptation planning for 121 State Parks and 2.2 million acres of State Forests and authored DCNR and Climate Change – Preparing for the Future, a white paper that outlines a strategic approach to dealing with the impacts of climate change on Pennsylvania’s natural resources. He previously served as the Executive Director of the Wild Resource Conservation Program, Director of The Nature Conservancy’s Pennsylvania Science Office, and as Ombudsman for the Pennsylvania Department of Environmental Protection. A native of Erie, he holds a B.S. in biology from Gannon University and an M.S. in biology from Edinboro University of Pennsylvania. Greg is a member of the Pennsylvania Climate Resilience Network’s executive committee, the commonwealth’s Climate Change Advisory Committee, and is an adjunct faculty member at Harrisburg University of Science and Technology.

**Rev. Yvette B. Davis** is a community organizer, former corporate librarian, a collective liberation advocate and trainer, and an ordained Baptist minister. Before arriving at Dickinson College, Yvette was the Director of Training and Leadership Development for POWER Interfaith, the largest multifaith, multiracial, multigenerational grassroots community organizing network in Pennsylvania. She organized clergy and laity in Dauphin, Lancaster, and Lebanon counties to gain support for equitable public education funding. She also coordinated a rigorous training series for volunteers and staff to develop their organizing and anti-racism skills and practices. While serving POWER Interfaith, Yvette completed a Master of Arts in Organizational Development and Leadership, with a concentration in Diversity and Inclusion from Widener University. She is a Certified Diversity Practitioner with the Society for Diversity. Yvette earned a Bachelor’s Degree in English Literature from New York University and a Master of Science in Library and Information Science from Drexel University.

**Fatima Denton**, Director of the United Nations University Institute for Natural Resources in Africa and IPCC Working Group 3 author, had worked with the United Nations Economic Commission for Africa (UNECA) in Ethiopia since 2012. Her roles included Director of the Natural Resource Management

Division and Coordinator of the African Climate Policy Centre. Before that Dr Denton was a Program Leader with the Canada-based International Development Research Centre (IDRC). She also worked as an energy scientist with the United Nations Environment Program Risoe Centre (Denmark) and as an energy program manager with Enda Tiers Monde (Senegal). Dr Denton is a lead author for the IPCC special report on climate change and land, a lead author for the Intergovernmental Panel on Climate Change (IPCC) Sixth Assessment Report (Working Group III) and was a Lead Author for the Fourth and Fifth Assessment Reports (Working Group II) and for the IPCC Special Report on Renewable Energy and Climate Change Mitigation.

**Margaret Douglas**, Assistant Professor of Environmental Studies at Dickinson College, studies the ecology of agricultural systems with an emphasis on the roles of insects and other invertebrates as friend and foe to food production. Her research employs eclectic methods ranging from field experiments to meta-analysis and is oriented to practical application through dialogue with farmers, beekeepers, conservation organizations, and policy makers. Her interests include integrated pest management, biological control, soil conservation, ecotoxicology (esp. neonicotinoid insecticides), and socio-ecological dynamics of pesticide use.

**Larry Eighmy** is a Founder and Managing Principal of The Stone House Group, which focuses on improving institutions’ building stewardship through comprehensive planning, energy and construction strategies. Larry is also dedicated to promoting environmental sustainability and has overseen the renovation of the Flat Iron Building, which is home to The Stone House Group’s LEED Gold certified headquarters. The iconic 110-year-old building that was state of the art when it opened is re-emerging as a modern building with a low carbon footprint. The Stone House Group has served over 150 educational institutions, and provided strategic planning services to Connecticut College, Lafayette College, Bates College, Lehigh University, and Villanova University, among others. Larry currently serves as the treasurer of Moravian Academy and on the Board of the Sustainable Energy Fund. He has also served as chairman of the Green Schools Alliance board, and on the Saucon Valley Conservancy Advisory Board.

**Andreas Fischlin**, Professor Emeritus at ETH Zurich and IPCC Vice-Chair, is head of the Terrestrial Systems Ecology Group since its formation in November 1988. For his work on "Teaching Means in the Field of Electrical Engineering" he won the Denzler award 1989 of the Swiss Electrotechnical Association (SEV/ASE). Andreas Fischlin was one of the leading designers of the new curriculum in environmental sciences and helped to find the new Department of Environmental Systems Science (D-USYS). He has been Convening Lead Author of the chapter "Climate change impacts on forests" of "Climate Change 1995", the Second Assessment Report prepared for IPCC (Intergovernmental Panel on Climate Change) and is has recently served as senior Coordinating Lead Author of the chapter "Ecosystems, their properties, goods, and services" of the Assessment Report Four "Climate Change 2007" of the IPCC. The latter work made him a co-recipient of the Nobel Peace Prize 2007. Dr. Fishchlin was co-facilitator of the Structured Expert Dialogue of the First Periodic Review of the UNFCCC, has served as a member of the Swiss delegation to the UNFCCC for 17 years, chaired the LULUCF negotiations for the Kyoto Protocol, helped kick off REDD, substantially influenced the Paris Agreement.

**Toshihiro Hasegawa**, National Agricultural and Food Research Organization and IPCC Working Group 2 author, is a crop physiologist specialized in crop environmental response. His current research mainly focuses on rice yield and quality under global change, using the FACE experimental facilities and crop modelling. He is a Coordinating Lead Author of the IPCC 6th assessment report and is leader of the AgMIP (Agricultural Model Intercomparison and Improvement Project) rice team.

**Karl Hausker**, Senior Fellow in WRI's Climate Program, leads analysis and modeling of deep decarbonization climate mitigation, electricity market design, and the social cost of carbon. He testifies before Congress, lectures widely on deep decarbonization, and led the Risky Business study of clean energy scenarios for the U.S. He has worked for three decades in the fields of climate change, energy, and environment in a career that has spanned legislative and executive branches, research institutions, NGOs, and consulting. Much of his work has focused on the electricity and transportation sectors, and on low carbon, climate resilient development strategies. His experience includes serving President Clinton as Deputy Assistant

Administrator in EPA's Policy Office and serving as the Chief Economist for the U.S. Senate Committee on Energy and Natural Resources.

**Jorden Hayes** is a critical zone scientist, geophysicist, and educator. As an Earth Sciences educator, she enjoys challenging students to become systems thinkers. Jorden's courses include Earth's Hazards, Earth's Changing Climate, Oceanography, and Environmental Geophysics. Jorden is passionate about mentoring undergraduate students in research. Her research focuses on the processes that transform bedrock at depth into a habitable substrate for life at the surface. This work explores the role of climate in driving variations in bedrock weathering and the impacts of weathering on ecosystem vulnerability. Jorden joined Dickinson in 2016 after earning a PhD in geophysics at the University of Wyoming.

**Saleemul Huq** is the Director of the International Centre for Climate Change and Development (ICCCAD) and Professor at the Independent University Bangladesh (IUB) as well as Senior Associate of the International Institute on Environment and Development (IIED) in the United Kingdom. In addition, he is the Chair of the Expert Advisory Group for the Climate Vulnerable Forum (CVF) and also Senior Adviser on Locally Led Adaptation with Global Centre on Adaptation (GCA) headquartered in the Netherlands. He is an expert in adaptation to climate change in the most vulnerable developing countries and has been a lead author of the third, fourth and fifth assessment reports of the Intergovernmental Panel on Climate Change (IPCC). He also advises the Least Developed Countries (LDC) group in the United Nations Framework Convention on Climate Change (UNFCCC). He has published hundreds of scientific as well as popular articles and was recognized as one of the top twenty global influencers on climate change policy in 2019 and top scientist from Bangladesh on climate change science.

**Rachel Jacobs** is an Assistant Professor of Political Science and International Studies at Dickinson College. She received her PhD in Political Science from the University of Wisconsin-Madison in 2019. She teaches and researches on international relations and comparative politics, with a regional focus in Southeast Asia. Her current book project centers on questions of survival during mass violence through an investigation of everyday life and the unintended victims of state repression in Cambodia under the

Khmer Rouge. More broadly, her work focuses on issues of political violence, gender and conflict, human rights, and the long-term consequences of conflict.

**John E. Jones**, President of Dickinson College, is the 30th President at Dickinson College and a former United States District Judge of the United States District Court for the Middle District of Pennsylvania. Jones went on to become chief judge in 2020. He presided over a number of high-profile cases, including the landmark case of *Kitzmiller v. Dover School District*. He also resolved the matter of *Whitewood v. Wolf* by striking down as unconstitutional Pennsylvania's ban on same-sex marriage. Additionally, Jones co-chaired Pennsylvania Governor-elect Tom Ridge's transition team and served as chair of the Pennsylvania Liquor Control Board. In 2006, Time magazine named him as one of its Time 100 most influential people in the world. He was the recipient of the first John Marshall Judicial Independence Award. He also received the Geological Society of America's President's Medal and was inducted into the George Washington Spirit Society. He also served as chair of Dickinson's Board of Trustees.

**Sivan Kartha**, Senior Scientist at SEI-US and IPCC Working Group 3 author, is co-leader of SEI's Gender Equality and Social Equity Programme. His research and publications have dealt with policy strategies for addressing climate change, focusing on equity and effectiveness in the design of an international climate regime. He has worked on mitigation scenarios, market mechanisms for climate actions, and the environmental and socioeconomic impacts of biomass energy and is co-director of the Climate Equity Reference Project. His work has enabled him to advise and collaborate with diverse organizations, including the Secretariat of the UN Framework Convention on Climate Change (UNFCCC), various UN and World Bank programmes, numerous government policy-making bodies and agencies, foundations and civil society organizations throughout the developing and industrialized world.

**Kit Kennedy** leads NRDC's Climate and Clean Energy Program, which advocates for decarbonizing key sectors of the U.S. economy in an affordable and equitable manner. Kit has more than thirty years of experience as an environmental and clean energy attorney and advocate. Kit served as a Special Assistant Attorney General and directed the Environmental Protection Bureau at the New York

Attorney General's Office from 2007-2010. Kit has taught environmental and clean energy classes at Yale Law School, Fordham Law School and Vermont Law School. She serves on the board of the New York League of Conservation Voters Education Fund and the Executive Board of the New York State Bar Association's Environmental Law Section. She is a member of the American College of Environmental Lawyers. Kit is a co-founder of the Alliance for Clean Energy New York and the New York Offshore Wind Alliance. She is a graduate of Harvard Law School and Harvard College. She is based in New York City.

**Rachel Bezner Kerr** is a Professor in Global Development at Cornell University, and does research in Africa on sustainable agriculture, gender, climate change adaptation, food security and nutrition. Dr. Bezner Kerr has a PhD in Development Sociology, with a background in soil science, international development and anthropology. She has published over 80 scientific articles. She was a Coordinating Lead Author for the United Nations Intergovernmental Panel on Climate Change report *Climate Change 2022: Impacts, Adaptation, and Vulnerability*. Dr. Bezner Kerr also served as a member of the High Level Panel of Experts for the United Nations Committee for World Food Security, coauthoring the 2019 report on agroecology. Rachel has maintained a partnership with a non-profit farmer organization in Malawi, the Soils, Food and Healthy Communities organization, for over 20 years. She has carried out participatory research with farmers in Malawi and Tanzania on agroecology, nutrition and climate-change related studies.

**Neil Leary**, Director of the Center for Sustainability Education and Associate Provost at Dickinson College, has participated in climate change research for 30 years. He has been an author and review editor for science assessment reports of the IPCC, was a leader of the IPCC's 2001 report on climate change impacts, adaptation and vulnerability, and led international studies of climate change vulnerability and adaptation in Africa, Asia, the Caribbean and Latin America as program director at START International. At Dickinson, Leary leads efforts to integrate sustainability across the curriculum that have earned Dickinson recognition as a national leader in education for sustainability. He and his students have done research with community partners that contributed to adoption of climate action plans by Carlisle Borough and Cumberland County in Pennsylvania.

**Hoesung Lee**, Chair of the IPCC, is Endowed Chair Professor at Korea University Graduate School of Energy and Environment, Seoul, Korea, a member of the Board of Directors of the Korean Academy of Environmental Sciences, and chair of the Asian Development Bank President's Advisory Board on Climate Change and Sustainable Development. Lee has served on many national and international committees addressing climate change and energy. He was Co-Chair of the IPCC Working Group III for the Second Assessment which provided a scientific basis for the UNFCCC's Kyoto Protocol, served as Vice-Chair of IPCC 2008-2015, and has been a lead author and review editor for various IPCC assessments. His research encompasses the economics of climate change, energy and sustainable development. He was named to the 2019 TIME 100 Most Influential People in the world.

**Lindsey Lyons** is the Director of Sustainability Learning at the Center for Sustainability Education at Dickinson College. She has focused her work on embedding sustainability across the curriculum and into education abroad and providing opportunities for student engagement on campus. Lindsey has overseen many initiatives that have helped Dickinson secure recognition as a national leader in sustainability and works with other colleges and universities to advance curriculum and faculty development for sustainability. She worked to develop natural resource and sustainability initiatives in higher education for Oregon State University and Wilson College. She completed her B.S. in biology from Lynchburg College and a M.S. in environmental education from Southern Oregon University. As a certified K-12 teacher, outdoor school creator, former community extension agent for Oregon State University and experiential education advocate, Lindsey understands that education is key to a sustainable future.

**Timon McPhearson**, Professor of Urban Ecology & Director of the Urban Systems Lab at The New School and IPCC Working Group 2 author, is a Senior Research Fellow at The Cary Institute of Ecosystem Studies and the Stockholm Resilience Centre at Stockholm University, and a Research Affiliate of the Beijer Institute of Ecological Economics at The Swedish Royal Academy of Sciences. In 2017 he was awarded the Distinguished University Teaching Award at The New School. In 2019 he was awarded both the Sustainability Science Award and the Innovation in

Sustainability Science Award by the Ecological Society of America. In 2020 he was named an NYC Climate Hero by the NYC DOT and Human Impacts Institute and appointed by the NYC Mayor to the New York City Panel on Climate Change (NPCC). He is a founding editor of Nature npj Urban Sustainability.

**Linda Mearns**, Senior Scientist at the National Center for Atmospheric Research and IPCC Working Group 1 author, is the Director of the Weather and Climate Impacts Assessment Science Program (WCIASP) and Head of the Regional Integrated Sciences Collective (RISC) within the Institute for Mathematics Applied to Geosciences (IMAGE). She was an author of the 1995, 2001, 2007, 2014, and 2022 IPCC Climate Change Assessments. She leads the multi-agency supported North American Regional Climate Change Assessment Program (NARCCAP). She has been a member of the National Research Council Climate Research Committee (CRC), the NAS Panel on Adaptation of the America's Climate Choices Program, and the NAS Human Dimensions of Global Change (HDGC) Committee and is a member of the National Academy of Sciences Panel on Advancing Climate Modeling.

**Dr Aditi Mukherji** is a Principal Researcher at the International Water Management Institute. Earlier, she led the Water and Air Theme at the International Centre for Integrated Mountain Development (ICIMOD) in Nepal. Aditi was a Coordinating Lead Author (CLA) of the Water Chapter in the Working Group II of the Intergovernmental Panel on Climate Change (IPCC) published in February 2022, and is a member, Core Writing Team of the IPCC's AR6 Synthesis Report which synthesizes all six reports of the AR6 cycle. Her areas of specialization are groundwater governance, energy-irrigation nexus, climate change adaptation and community management of water resources. She has worked in South Asia including the Hindu Kush Himalayan region, Nile basin and in Central Asia. Aditi is a human geographer with a PhD from Cambridge University, United Kingdom.

**Christopher Nafe** is an Energy Program Specialist with the Energy Programs Office (EPO) of the PA Department of Environmental Protection. Mr. Nafe works on the climate programs for the Commonwealth of Pennsylvania, specifically managing the Local Climate Action programs that EPO has established to assist local governments with

completing their own greenhouse gas inventories and climate action plans. His background is in sustainability and recycling, having previously worked as the Sustainability Coordinator of the City of Harrisburg, as an EHS Technician for an electronics recycling company, and as a researcher for The Sustainability Consortium.

**Emily Pawley**, Associate Professor of History and Walter E. Beach '56 Chair in Sustainability Studies at Dickinson College, teaches and researches the histories of capitalism, science and the environment. Her book, *The Nature of the Future: Agriculture, Science, and Capitalism in the Antebellum North* (Chicago, 2020) won the History of Science Society's Philip Pauley Prize. She is co-coordinator of the Environmental Historians Action Collaborative which seeks to help historians bring their expertise to bear on environmental policy. She also works for its parent organization the Environmental Data and Governance Initiative, supporting and updating the environmental right to know. She is currently working on projects on climate solutions history, climate crisis pedagogy, and incorporating climate crisis knowledge into living history museums.

**Anand Patwardhan** is Professor in the School of Public Policy at the University of Maryland, College Park. He was earlier a Professor at the Indian Institute of Technology-Bombay. Anand has a BTech (Electrical Engineering) from IIT-Bombay and a MS (Civil Engineering) and PhD (Engineering and Public Policy), both from Carnegie Mellon University. Anand's research focuses on mitigation and adaptation responses to climate change, and the assessment of vulnerability and adaptation, as well as broader issues of science, technology and innovation policy. He has been a coordinating lead author for the IPCC, and a member of the Scientific and Technical Advisory Panel of the Global Environmental Facility. He currently serves as co-chair of the Science Committee of the World Adaptation Science Program (WASP), and co-chair of the Adaptation Research Alliance (ARA).

**Benjamin Preston** is a senior policy researcher at the RAND Corporation and director of Community Health and Environmental Policy, a program of RAND Social and Economic Well-Being. He is also a professor at Pardee RAND Graduate School. He is temporarily on leave from RAND to serve as the assistant director for Climate Services and Adaptation in the White House Office of Science and Technology Policy under the

terms of the Intergovernmental Personnel Act Mobility Program. Preston's recent research efforts include understanding the role of knowledge in climate risk management, analysis of disaster recovery options and their implementation in Puerto Rico and the U.S. Virgin Islands, scenario analysis for a low-carbon future, and the implications of COVID-19 for the delivery of infrastructure services. He is a lead author for the IPCC 6<sup>th</sup> Assessment Report and has contributed to the US National Climate Assessment.

**Debra Roberts**, Head of Sustainable City and Resilient City Initiatives Unit, eThekweni Municipality, South Africa, and IPCC Working Group II Co-Chair, was elected Co-Chair of Working Group II in 2015. Under her co-leadership Working Group II published the IPCC Special Report on Ocean and the Cryosphere in a Changing Climate (SROCC) in 2019 and contributed to the Special Reports on "Climate Change and Land" and "Global warming of 1.5°C in 2018. She was a member of the Scientific Steering Committee of the IPCC co-sponsored International Conference on Climate Change and Cities in 2018 and IPCC-IPBES co-sponsored workshop on "Biodiversity and Climate Change" in 2020. Prof Roberts co-led the Scientific Steering Committees of the IPCC-UNHabitat-GCom co-sponsored Innovate for Cities Conference and the IPCC-ICOMOS- UNESCO international co-sponsored meeting on Culture, Heritage and Climate Change, both held in 2021. In 2019 she was included in a list of the World's 100 Most Influential People in Climate Policy.

**Sam Robinson** joined the Wolf Administration in January 2015, serving in the Governor's Office of Policy and Planning before being appointed Deputy Chief of Staff in 2018. In this role Sam serves as the Governor's Office liaison to a portfolio of thirteen agencies and commissions including the Department of Environmental Protection and Department of Conservation and Natural Resources. As Deputy Chief of Staff, Sam has championed and advanced implementation of a variety of environmental initiatives including Pennsylvania's participation in the Regional Greenhouse Gas Initiative, establishment of the Governor's GreenGov Council, and the recent announcement of the development of three new state parks. Prior to joining the Wolf Administration, Sam served as an Assistant City Solicitor with the City of Philadelphia Law Department. A proud Philadelphian, Sam received his law degree from The College of

William & Mary and his bachelor's degree from Earlham College.

**Aisha Rodriguez**, a member of Dickinson College's Rose Walters Prize Committee, is a recent graduate from Dickinson College and Posse Scholar who completed her B.S. in Environmental Science with a focus on International Environmental Justice. During her studies, she completed several qualitative and quantitative research projects pertaining to environmental justice, spanning different sub-fields such as geophysics, agroecology, and biology. Across projects, she geared analyses to address the disproportionate effects of climate change on vulnerable communities (BIPOC, women, low-income, LGBTQ+). Currently, Rodriguez is a Conservation Fellow at Open Space Institute (OSI). This position allows her to incorporate her multifaceted and justice-based perspective into land conservation work across various departments as she works towards her goal of eventually creating her own non-profit in Puerto Rico.

**Steve Rose** is a Senior Research Economist at EPRI in the Energy Systems and Climate Analysis Research Group. His research focuses on long-term modeling of socioeconomic and climate system transitions, climate change drivers and management, and potential climate risks. Steve was a member of the National Academy of Sciences' Committee on Updating the Social Cost of Carbon, the Task Force for Climate-related Financial Disclosures (TCFD) Advisory Group, and was a lead author on climate impacts, economic climate damages and the benefits of mitigation, climate resilient development pathways, and climate scenarios for the IPCC's Sixth Assessment Report. Steve also serves on the scientific advisory committee to the Earth and Biological Sciences Directorate of the Pacific Northwest National Laboratory and the U.S. Carbon Cycle Science Program and was a lead author on global emissions scenarios for the IPCC's Fourth and Fifth Assessments. Steve has a PhD in economics from Cornell University.

**Debra Rowe**, President of the U.S. Partnership for Education for Sustainable Development, is co-founder of the Higher Education Associations Sustainability Consortium; Founder and Facilitator of the Disciplinary Associations' Network for Sustainability, Senior Fellow at Second Nature and Senior Advisor to the Association for the Advancement of Sustainability in Higher Education. Debra has been professor of energy

management and renewable energy for over 30 years at Oakland Community College. She helps schools create energy management, renewable energies and sustainability programs with U.S. National Science Foundation support. Dr. Rowe chairs the Technical Advisory Group and the Green Jobs Policy Community of Action for the American Association of Community Colleges. She helps higher education and K-12 associations integrate sustainability into mission, curricula, purchasing, facilities, and other areas.

**Alexander Ruane**, Research Physical Scientist at the NASA Goddard Institute for Space Studies and IPCC Working Group 1 author, is a co-Director of the GISS Climate Impacts Group, and an adjunct Associate Research Scientist at the Columbia University Center for Climate Systems Research in New York City. Dr. Ruane serves as the Research Coordinator and Climate Team Leader for the Agricultural Model Intercomparison and Improvement Project and coordinating Lead Author for the Intergovernmental Panel on Climate Change Sixth Assessment Report (IPCC AR6), Working Group 1 Chapter 12: 'Climate information for regional impact and for risk assessment'. He is also a member of the Core Writing Team for the IPCC Synthesis Report that combines findings across all Working Groups and Special Reports of the AR6 Cycle. Dr. Ruane is also the founder and Co-Chair of the Vulnerability, Impacts, Adaptation, and Climate Services (VIACS) Advisory Board for the Sixth Phase of the Coupled Model Intercomparison Project (CMIP6). He also serves on the Expert Committee for the United Nations Office for Disaster Risk Reduction (UNDRR) Global Risk Assessment Framework (GRAF).

**Roberto Schaeffer**, Full Professor of Energy Economics at Federal University of Rio de Janeiro, Brazil, with some 150 master's and doctoral theses supervised so far. He holds a PhD in Energy Management and Policy from the University of Pennsylvania, where he also acted as a Visiting Professor and Lecturer on different occasions. He works in the fields of Energy and of Integrated Assessment Modelling for climate change mitigation. Dr. Schaeffer collaborates with the IPCC since 1998. He is Associate-editor of *Energy-The International Journal* since 1999. Dr. Schaeffer is a full member of the Brazilian Academy of Sciences; co-recipient, together with others scientists of the IPCC, of the *Nobel Peace Prize* in 2007; recipient of the *IAMC Award for Extraordinary Contribution to the Field of IAM* in 2020; and recipient of the *Academic Award of*



the Brazilian Centre for International Relations (CEBRI) in 2022.

**Dr Lisa Schipper** is (as of 1.1.2023) Professor of Development Geography at the University of Bonn, Germany, and focuses on adaptation to climate change in the Global South. She was until recently at the Environmental Change Institute at the University of Oxford. Lisa's research looks at gender, religion and culture to understand what drives vulnerability. She was Co-ordinating Lead Author of Chapter 18 of the Working Group 2 contribution to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) ('Climate Resilient Development Pathways') that was published in February 2022. She is co-Editor-in-Chief of the journal *Climate and Development* (Taylor and Francis). Lisa was also an author of the 2021 UNEP Adaptation Gap Report, and is currently a member the Science Committee for the 2023 Adaptation Futures Conference.

**Karen Seto** is the Frederick C. Hixon Professor of Geography and Urbanization Science at Yale University's School of the Environment. An urban and land change scientist, she is one of the world's leading experts on contemporary urbanization and global environmental change, including the effects of urbanization on food systems, biodiversity, croplands, energy use and GHG emissions. She serves on numerous national and international scientific bodies. She currently co-chairs the U.S. National Academies Climate Security Roundtable and the U.S. National Academies Subcommittee on U.S.-China Scientific Engagement. She was a Coordinating Lead Author for the IPCC 6<sup>th</sup> (2022) and 5<sup>th</sup> (2014) Assessment Reports, where she co-led the Working Group III chapter on urban mitigation of climate change. She is an elected member of the U.S. National Academy of Sciences, the American Academy of Arts and Sciences, the Connecticut Academy of Science and Engineering, and a Fellow with the American Association for the Advancement of Science.

**Ken Shultes** is the Associate Vice President for Sustainability & Facilities Planning at Dickinson College and has held positions of leadership at Dickinson for thirty years -- assuming his current role in 2014. A prime focus and absolute passion throughout his career has been advancing operational sustainability initiatives on campus and connecting them to the overall student experience. Ken oversees the college's organic farm and was instrumental in attaining LEED

certification for seven projects at Dickinson -- including six Gold and one Platinum. Ken provided leadership in the creation and implementation of Dickinson's climate action plans, culminating in Dickinson achieving carbon neutrality in 2020. Ken is currently serving as President of the Pennsylvania Environmental Resource Consortium (PERC). Ken also served on the Planning and Analytics Team in association with the development of Carlisle PA's Climate Action Plan. Ken completed the Executive Education for Sustainability Leadership program from the Harvard School of Public Health in 2014 and is a graduate of Dickinson College.

**Mayor Sean Shultz** took office on January 3, 2022. He had served 13 years on Carlisle Borough Council. During his service to Carlisle Borough, Mayor Shultz, his colleagues on Borough Council and former Mayor Tim Scott have championed work on racial equity and climate change in Carlisle—work that helped Carlisle earn the 2021 All-America City Award from the National Civic League. Carlisle Borough participated in the Pennsylvania Department of Environmental Protection Local Climate Action Program in partnership with Dickinson College and ICLEI, producing both a greenhouse gas inventory and a Climate Action Plan aimed at reducing greenhouse gas emissions from 2005 levels by 26 percent (by 2025) and 80 percent (by 2050). Mayor Shultz earned his Juris Doctor at Penn State Dickinson Law in 2003 and is a member of the law firm Saidis, Shultz & Fisher where much of his practice is as a municipal solicitor.

**Matt Steiman** is the Energy & Livestock Projects Manager at the Dickinson College Farm. The farm raises certified organic produce, grass-fed beef and lamb on 90 acres of college land located six miles from the main campus. Products are sold through Dickinson Dining Services, a CSA co-op, farmers market, and retail store on the edge of campus. Matt has worked in sustainable agriculture, renewable energy and education for more than two decades. Recently he completed a master's degree in Environmental Pollution Control focusing on anaerobic digestion (food waste to energy) systems. His current focus at the farm is developing a commercial scale digester for conversion of dairy manure and food waste into renewable electricity. Matt also supervises the campus composting operation.

**Kristin Strock**, Associate Professor of Environmental Studies at Dickinson College, uses modern aquatic ecology and fossil records contained in lake sediments, to explore issues that are critical to effectively managing freshwater resources. Her interests include freshwater and ecosystem ecology and paleoecology, ecosystem response to changes in climate and atmospheric deposition, watershed biogeochemistry, algal ecology, food-web interactions, and freshwater resource management. Her most recent work has taken her to Iceland where she's studying carbon cycling in the ice, rivers, and lakes of this polar environment with the support of National Geographic.

**Sylvester Turner**, Mayor of Houston and Chair of Climate Mayors Network, serves as the Executive Officer of the City. As the City's chief administrator and official representative, the mayor is responsible for the general management of the city and for seeing that all laws and ordinances are enforced. Administrative duties include the appointments, with Council approval, of department heads and people serving on advisory boards. As Executive Officer, the Mayor administers oaths and signs all motions, resolutions and ordinances passed by the City Council. The mayor also serves a legislative function, presiding over the City Council with voting privileges. The mayor is responsible for advising the Council of the City's financial condition and presents to Council an annual budget for approval.

**Anthony Underwood**, Associate Professor of Economics at Dickinson College, has published in several academic journals, including the Journal of Risk and Uncertainty, Energy Policy, Ecological Economics, The Journal of Economic Education, and Review of Political Economy. Professor Underwood regularly teaches environmental economics, econometrics, and microeconomics. In his advanced econometrics course, students practice the importance of reproducible and transparent methods in research through completion of their own empirical research project. He also teaches courses in population and urban economics and is a contributing faculty member in the Data Analytics department.

**Forrest Watson** is an Assistant Professor of International Business & Management at Dickinson College. He recently returned to the US from Ankara, Turkey, where he completed his M.A. and Ph.D. (Bilkent University) and served as an assistant professor (Middle East Technical University) for five

years. His research interests include quality of life, transformational consumer research, marketing systems, sustainability, and social marketing. He has recently published work in the Journal of Consumer Affairs and Journal of Social Marketing. He has also worked with a team of scholars on the teaching of sustainability published in the Journal of Marketing Education and the Journal of Macromarketing, where he also serves on the Editorial Policy Board. A native of Maryland, Forrest completed his B.A. at Franklin & Marshall College.

**Ren Wei** is an assistant professor of art history at Dickinson College. Her research focuses on modern Chinese art and design and her most recent essay "Vernacular Painting and Transitional Beijing: Chen Shizeng's Beijing Fengsu Album, ca. 1915" appeared in the Archives of Asian Art. She is currently finishing a manuscript on the book design in 1920s China. She teaches a broad range of subjects at Dickinson including Buddhist art, East Asian architecture and urbanism, Japanese woodblock prints, and modern Chinese art.