



Climate Crossroads Summit

Agenda – July 16-17, 2024

National Academy of Sciences Building
2101 Constitution Avenue NW
Washington, DC

DAY 1: Tuesday, July 16, 2024

All times in US Eastern.

8:30-9:00 AM	Registration – Constitution Avenue Foyer <i>Coffee and light breakfast available in the Great Hall</i>		
9:00-9:15 AM	Welcome and Meeting Overview – Auditorium Recording Gregory Symmes , Chief Program Officer, National Academies of Sciences, Engineering, and Medicine (NASEM) Amanda Staudt , Senior Director, Climate Crossroads		
9:15-9:30 AM	Fireside Chat with Marcia McNutt , President, National Academy of Sciences - Auditorium Recording <i>Moderator: Mariette DiChristina</i> , Boston University		
9:30-10:45 AM: SESSION 1			
Artificial Intelligence and Climate Change – Auditorium Recording Priya Donti , MIT, Climate Change AI Uyi Stewart , data.org Topaz Mukulu , Patrick J. McGovern <i>Moderator: David Goldston</i> , MIT			
10:45-11:00 AM	Break <i>Transition to concurrent sessions</i>		
11:00 AM-12:15 PM: SESSION 2			
Nature-Based Solutions – Auditorium Recording Jessica Hellmann , University of Minnesota Sara Leavitt , The Nature Conservancy Tee Thomas , Quantified Ventures	Financial Markets, Public & Private Investment Decisions, and the Energy Transition – Room 120 Recording Stephen Comello , Energy Futures Initiative Tanya Das , Bipartisan Policy Center	Climate Knowledge Production: Building Trust through Community Engagement – Room 125 Recording Roderick Jackson , National Renewable Energy Laboratory	Social Acceptance of Mining for the Energy Transition – Members’ Room Recording Jessica Smith , Colorado School of Mines

<i>Moderator: Cyndi Atherton,</i> Science and Philanthropy Consultant	Maria Martinez, Breakthrough Energy Kathy Baughman McLeod, Climate Resilience for All Jonathan Silver, Apollo Global Management Jun Shepard, Office of Technology Policy, Department of Energy <i>Moderators: Brent Heard,</i> Board on Energy and Environmental Systems, NASEM & Bridget McGovern, Board on Atmospheric Sciences and Climate, NASEM	Hadia Sheerazi, Rocky Mountain Institute Tara Houska, Giniw Collective Eri Saikawa, Emory University <i>Moderator: Karma Sawyer,</i> Pacific Northwest National Laboratory; New Voices Cohort 3 Member	
12:15-1:30 PM	Break <i>Lunch available in the Great Hall</i>		
1:10-1:25 PM	Climate Science Art Exhibit Video: <i>The Underwater by Xavier Cortada</i> – Auditorium Recording		
1:30-2:45 PM: SESSION 3			
The Future of Transboundary Water Management – Auditorium Recording Bunyod Holmatov, International Water Management Institute Aaron Wolf, Oregon State University Rosario Sanchez, Texas A&M University <i>Moderator: Ben Preston,</i> RAND	Climate-Resilient Communities Pathway Part 1: Progress Update – Room 120 Recording Carlotta Arthur, Division of Behavioral and Social Sciences and Education, NASEM Natalie Nielsen, Division of Behavioral and Social Sciences and Education, NASEM Austin Sheetz, Division of Behavioral and Social Sciences and Education, NASEM	Centering Human Health and Equity in the Climate Crisis – Room 125 Recording Teddie Potter, University of Minnesota School of Nursing Walt Vernon, Mazzetti and Sextant Foundation Caitlin Rublee, University of Colorado School of Medicine Gabriela Lemus, Maryland Latinos Unidos Jonathan Patz, University of Wisconsin-Madison <i>Moderator: Chris Hanley,</i> National Academy of Medicine	Nature’s Role in Adapting to the Future – Members’ Room Andrew Elmore, NSF; University of Maryland Center for Environmental Science
2:45-3:15 PM	Break		
3:15-3:30 PM	Fireside Chat with Victor Dzau, President, National Academy of Medicine – Auditorium Recording <i>Moderator: Mariette DiChristina,</i> Boston University		
3:30-4:45 PM: SESSION 4			

Health of the Planet and Its People – Auditorium Recording Jason Rohr , University of Notre Dame Marie Studer , Planetary Health Alliance Eri Saikawa , Emory University Moderator: Teddie Potter , University of Minnesota	Adaptive Management for Transboundary Water Resources – Room 120 Recording David Feldman , University of California Irvine David Wegner , Department of Interior Rosario Sanchez , Texas A&M University Nisha Pryor , Department of State Jia Li , World Bank Moderator: Roger Pulwarty , NOAA Earth System Research Laboratory	Decarbonization of Road Transport in Africa: Science, Technology, Innovations and Policy – Room 125 Recording Mafini Dosso , OIITID, Côte d'Ivoire Ahmed Osama , Centre of Mobility Research, Egypt MJ (Thinus) Booysen , Stellenbosch University Irene Karani , Climate Change Researcher, Kenya Moderator: Moses O. Ogutu , InterAcademy Partnership & US NASEM	Catalyzing Change: Cross-Sector Strategies for AI in Climate Response – Members' Room Recording Jesse Dunietz , NIST
4:45-5:15 PM	Climate Activities at NASEM Overview – Auditorium Recording Amanda Staudt , Senior Director, Climate Crossroads		
5:15-7:00 PM	Climate Activities Showcase Reception – West Court & Lecture Room <i>In-person only</i>		

DAY 2: Wednesday, July 17, 2024

All times in US Eastern.

8:30-9:00 AM	Registration – Constitution Avenue Foyer <i>Coffee and light breakfast available in the Great Hall</i>
9:00-9:15 AM	Welcome and Day 2 Overview – Auditorium Amanda Staudt , Senior Director, Climate Crossroads
9:15-9:30 AM	Fireside Chat with John Anderson , President, National Academy of Engineering - Auditorium Recording Moderator: Mariette DiChristina , Boston University
9:30-10:45 AM: SESSION 5	
Higher Education Transformative Climate Action – Auditorium Recording Erica Harvey , Fairmont State University David Kay , Cornell University Bob Kopp , Rutgers University Aradhna Tripathi , University of California, Los Angeles Moderator: Blythe Coleman-Mumford , Second Nature	
10:45-11:00 AM	Break <i>Transition to concurrent sessions</i>

11:00 AM-12:15 PM: SESSION 6			
Inequality and Climate Change – Auditorium Recording Pedro Conceição , United Nations Development Program Gina McCarthy , Former White House National Climate Advisor and U.S. EPA Administrator <i>Moderator: Carlton Waterhouse</i> , Howard University	Future Directions for the Climate Crossroads Decarbonization Pathway – Room 120 Recording		Designing Postsecondary Programs, Pathways, and Learning Experiences to Prepare the Future Blue and Green Workforce – Members’ Room Christina Kwauk , Unbounded Associates Carlos Martín , Harvard Joint Center for Housing Studies Matthew Hora , University of Wisconsin-Madison Adam Parris , ICF
12:15-1:30 PM	Break <i>Lunch available in the Great Hall</i>		
1:30-2:45 PM: SESSION 7			
Transportation Infrastructure – Auditorium Recording Josh DeFlorio , Port Authority of New York and New Jersey Cris Liban , Los Angeles County Metropolitan Transportation Authority Shoshanna Saxe , University of Toronto <i>Moderator: Chris Hendrickson</i> , Carnegie Mellon University	The Need of Science for Consistency in the International and National Climate Policy Processes – Room 120 Recording Keywan Riahi , International Institute for Applied Systems Analysis (IIASA) Jia Li , World Bank Shonali Pachauri , IIASA Zhimin Mao , World Bank <i>Moderator: Cynthia Rosenzweig</i> , NASA Goddard Institute for Space Studies	Climate-Resilient Communities Pathway Part 2: Working Session on Future Directions – Members’ Room Carlotta Arthur , Division of Behavioral and Social Sciences and Education, NASEM Natalie Nielsen , Division of Behavioral and Social Sciences and Education, NASEM Austin Sheetz , Division of Behavioral and Social Sciences and Education, NASEM	Extreme Event Game: Using Interactive Role-Playing to Build Community Disaster Resilience – Lecture Room <i>*In-person only</i>
2:45-3:00 PM	Break		
3:00-4:15 PM: SESSION 8			
Climate Science in the Courts – Auditorium Recording Sabrina McCormick , Resilience Creative Michael Burger , Columbia Law School Camila Bustos , Pace Law School			

Moderator: **Peter Frumhoff**, Harvard University and Woodwell Climate Research Center

4:15-4:30 PM

Wrap-up and Adjourn