

**NOAA SAB Meeting
Nov 30-Dec 1, 2022**

PWR Response Panelists - Short Bio

Panel 1 - Activities that are the highest priority for “Immediate First Steps.”

Ed Clark, NWS

Ed Clark is the Director of the National Water Center and Deputy Director of the Office of Water Prediction. The National Water Center (NWC) coordinates, facilitates and integrates development activities across NWS hydrologic services. In large scale and severe events, the NWC coordinates and communicates with field offices to ensure a common operating picture for all of the offices to work from, assists with media inquiries to provide a national perspective, provides maps and briefing materials, provides safety and awareness information, and prepares and delivers *ad hoc* data and related support services.

Mike Farrar, NWS

Michael Farrar is the director of the National Centers for Environmental Prediction (NCEP). NCEP delivers national and global weather, water, climate and space weather guidance, forecasts, warnings and analyses to help save lives and protect property. As director, Farrar oversees the planning, science and technology, and operational responsibilities related to NCEP’s nine national centers, which include the National Hurricane Center and Storm Prediction Center.

Jennifer Mahoney, OAR

Jennifer Mahoney is the Director of the NOAA’s Earth System Research Laboratories and the Global Systems Laboratory (GSL). She leads a staff of nearly 200 meteorologists, software engineers, and support staff dedicated to the development of forecast systems that deliver solutions. GSL research provides the NOAA National Weather Service (NWS), the Federal Aviation Administration and the public with rapidly-updating environmental models, state-of-the-art decision support tools, innovative visualization systems, and high-performance computing technology to support commerce and a weather-ready nation.

Mitch Goldberg, NESDIS

Mitch Goldberg is the Senior Scientist for NOAA’s National Environmental Satellite, Data, and Information Service (NESDIS). He developed the first operational physical sounding algorithm, which is still utilized by the Polar Operational Environmental Satellite (POES) legacy satellites. He officially joined NOAA in 1990, and through the early 2000’s, served as the NOAA member of NASA’s AQUA AIRS science team, responsible for a number of sounding algorithms and overseeing the development of an operational system.

Frank Indiviglio, OCIO

Frank Indiviglio serves as the NOAA's Chief Technology Officer and Deputy Director, High Performance Computing and Communications. He is also the Research and Development High Performance Computing program manager. Previously, he was the Technical Lead for NOAA's R&D HPC infrastructure at the National Environmental Security Center in Fairmont, West Virginia, and the National Climate Research Center at Oak Ridge National Laboratory. He was also a Senior Data Engineer at NOAA's Geophysical Fluid Dynamics Laboratory in Princeton, NJ.

Ariel Stein, OAR

Ariel Stein is the Director of the Air Resources Laboratory (ARL) and Acting Director of the Global Monitoring Laboratory. He has ample experience working with transport, dispersion, and photochemical models. He has an in-depth understanding of hybrid dispersion modeling techniques including ARL's HYSPLIT model. His research interests cover a wide range of topics dealing with atmospheric transport and dispersion modeling including the simulation of atmospheric tracer release experiments, radionuclides, smoke originated from wildfires, volcanic ash, and wind-blown dust. He has several peer-reviewed papers in these topics in prestigious international journals.

Panel 2 - Activities that are the highest priority for the longer term.**V. Ramaswamy, OAR**

V. Ramaswamy is the Director of the NOAA Geophysical Fluid Dynamics Laboratory (GFDL). He is a central figure in climate science. From 1992 to 2021, Ram has been a Lead Author, Coordinating Lead Author, or Review Editor for each of the major assessment reports of the Intergovernmental Panel for Climate Change (IPCC). A Fellow of the American Geophysical Union, American Meteorological Society, and the American Association for the Advancement of Science, Dr. Ramaswamy has also been involved in the leadership of the US Global Change Research Program's Interagency Group on Integrative Modeling and the Joint Scientific Committee of the World Climate Research Program.

David Dewitt, NWS

David DeWitt is the director of NOAA's Climate Prediction Center (CPC). As director, DeWitt leads the National Weather Service's efforts to provide forecasts on timescales from weeks to seasons, and to better understand and forecast short-term climate fluctuations such as El Niño/La Niña and their impacts. The CPC is one of nine centers that comprise NOAA's National Centers for Environmental Prediction (NCEP).

Molly Baringer, OAR

Molly Baringer is the Deputy Director of NOAA's NOAA Atlantic Oceanographic and Meteorological Lab (AOML). She is a veteran sea-going oceanographer and has led numerous research projects during her 22-year tenure at AOML. Her research portfolio is strongly rooted in the Atlantic Ocean, linking ocean circulation patterns and changes to global and regional climate patterns.

David Michaud, NWS

David Michaud is the Director of the NWS Office of Central Processing. In this position, he is responsible for managing NWS central processing systems ensuring the uninterrupted flow of information from the collection of observations to central guidance production to local applications of all essential weather and climate data products, and continuity of public watches and warnings. He provides strategic direction and manages the allocation of resources for the Weather and Climate Operational Supercomputing System, the Advanced Weather Interactive Processing System, hydrology information technology initiatives, and the information technology infrastructure supporting NWS national centers and field operations.

Robert Webb, OAR

Robert (Robin) Webb is Director of the NOAA Physical Sciences Laboratory (PSL) in Boulder, Colorado. His laboratory analyzes and interprets physical processes that influence weather and climate from hours to decades to provide scientific information to support NOAA's mission. Under Dr. Webb's direction, PSL works to improve predictions on weather-to-climate time scales by identifying early warning indicators in atmosphere and ocean patterns that cause extreme events (such as floods, droughts, and heat waves). The laboratory's research strives to improve observations, process understanding, modeling and predictions of weather, water and climate variations and extremes, and their related impacts.

Tony LaVoi, OCIO

Tony LaVoi serves as the NOAA Chief Data Officer (CDO). As the NOAA CDO, he is responsible for NOAA's Data Strategy and all aspects of its implementation. The purpose of the NOAA Data Strategy is to dramatically accelerate the use of data across the agency and with other key partners, maximize openness and transparency, deliver on mission, and steward resources while protecting quality, integrity, security, privacy, and confidentiality.

Panel 3 - Activities that are highest priority where the community can help (government, academia, private sector)**Brian Gross, NWS**

Brian Gross is the Director of the Environmental Modeling Center. Previously, he was the Deputy Director of NOAA's High Performance Computing and Communications office in NOAA's Office of the Chief Information Officer. Prior to that, he was the Deputy Director of NOAA's Geophysical Fluid Dynamics Laboratory for 13 years. He has also served as head of GFDL's software development group and as a research scientist there, modeling weather and climate with an emphasis on storm tracks.

Michelle Mainelli, NWS

Michelle Mainelli is the Director of the Office of Dissemination, a role she has held since April 2017. Her primary responsibilities include overseeing the operation and maintenance of NWS information technology systems, infrastructure, and services throughout the Nation. She is responsible for the integration and planning of new technologies to improve the dissemination of NWS weather, water, and climate data and information to help communities, businesses, and governments understand and adapt

to weather- and climate-related risks. Her office promotes increased accessibility, interoperability, and stewardship of NOAA data, and for leading, delivering, and coordinating NWS' contribution to NOAA, DOC, and Administration data dissemination initiatives.

Allison Allen, NWS

Allison (Allie) Allen is the NWS Analyze, Forecast, and Support (AFS) Director. In this role, she oversees both the AFS Portfolio and the AFS Office, including the 11 national service programs (tropical, space, severe, public, winter, water, marine, tsunami, fire, aviation, and climate) and the mission support programs. The AFS portfolio supports budgetary, planning, policy, and execution aspects of field operations and is responsible for translating field and programmatic requirements into annual operating plans.

Dorothy Koch, OAR

Dorothy Koch has been the Director of the NOAA Weather Program Office (WPO) since 2021. She is honored to lead WPO's talented and diverse team that is responsible for funding and fostering the advances in weather research that is so vital for preparing the nation for the increasingly severe and impactful weather that accompanies climate change. In addition to leading WPO, she is OAR's Weather Portfolio Steward, leading and coordinating OAR Laboratories and Programs to advance weather research. She is also chair of NOAA's Modeling Team, a Team within NOAA's Earth System Integration Board (ESIB) (formerly called the Weather, Water and Climate Board (WWCB)) that is responsible for strategic alignment of NOAA's modeling activities.

Ajay Mehta, NESDIS

Ajay Mehta is the Director of the Office of Observations in the NWS. The Office of Observations (OBS) serves as the primary office responsible for the collection of space, atmosphere, water, and climate observational data owned or leveraged by NWS. The Office is responsible for the development, acquisition and management of cost-effective observing technologies, hardware and software enhancements, maintenance and repairs, logistics, cost management, technical data verification, and life-cycle replacements of NWS observational platforms.

DaNa Carlis, OAR

DaNa Carlis has been the Deputy Director at the Global Systems Laboratory (GSL) since September 2020. He comes to GSL from the Weather Program Office (WPO) where he established the Earth Prediction Innovation Center (EPIC) Program. He held positions at the National Weather Service Environmental Modeling Center as a research meteorologist developing the world's most widely used weather forecast model (Global Forecast System), and as a policy advisor to NOAA's Chief Scientist and NOAA's Assistant Secretary of Environmental Observations and Prediction.