

IOOS Advisory Committee Meeting - Speaker Biographies

July 24, 2024

➤ Welcome, IOOS Association Update, and IOOC Update

Krisa Arzayus - DFO/Deputy Director, U.S. IOOS Program



Krisa Arzayus is the Deputy Director for the U.S. IOOS Program Office, located in NOAA's National Ocean Service in Silver Spring, Maryland. She oversees office operations, including budget execution and staffing, while also working on strategic planning and implementation in coordination with Regional and National partners. She also serves as the Designated Federal Official for the U.S. IOOS Federal Advisory Committee, providing oversight and management of the FAC.

Krisa holds a Ph.D. in Marine Science from the College of William & Mary and a B.S. in Chemistry with a minor in Music from Moravian College. Prior to joining IOOS, she served as acting deputy director for the Center for Coasts, Oceans, and Geophysics in the National Centers for Environmental Information. Krisa has also worked for NOAA's Climate Program Office as the Deputy Climate Goal lead and division chief for the Planning and Programming Division. She first came to NOAA as a Knauss Sea Grant Fellow in 2001-2002. Krisa joined NOAA as a federal employee in 2003, working for the Office of Oceanic and Atmospheric Research headquarters as the Climate Lead in what was then the Office of Scientific Support.

Kristen Yarincik - Executive Director, IOOS Association



Kristen Yarincik currently serves as Executive Director of the IOOS Association, a non-profit organization that is dedicated to empowering decisions about our ocean, coastal and Great Lakes through effective implementation of the US Integrated Ocean Observing System (IOOS). The IOOS Association works with the eleven IOOS Regional Associations that design and operate regional coastal observing systems to collect, integrate and produce information for users. IOOS integrates the efforts of multiple federal agencies and the regional system to deliver products to users to protect lives, protect healthy ecosystems, and to support the economic vitality of our coastal regions. Kristin received a bachelor's degree in Environmental Geosciences from Boston College, and a master's degree in Earth Sciences from Boston

University, focusing her research in paleoceanography.

Laura Lorenzoni - Program Scientist, NASA Science Mission Directorate and Interagency Ocean Observation Committee (IOOC) Co-chair



Laura is a Program Scientist for the Ocean Biology and Biogeochemistry Program (OBB) in the NASA Headquarters Science Mission Directorate. The OBB program focuses on describing, understanding, and predicting biological and biogeochemical conditions, interactions and changes in the upper ocean, as determined by observation using remote sensing and in situ data.

Laura completed her undergraduate in Biology at the Universidad Simon Bolivar (Venezuela), and subsequently earned both her Master's and PhD degrees in Marine Science at the University of South Florida. Her research interests include land-ocean interactions, and the influence of rivers on transport and distribution of dissolved and particulate organic matter in the coastal ocean. For over a decade, she worked with the CARIACO Ocean Time-Series project, and has been an advocate of time-series (in situ ship-based and autonomous, as well as satellite remote sensing) as tools to understand natural and anthropogenic changes in the ocean.

> NASA Guest Speaker

Dr. Karen M. St. Germain - Earth Science Division Director NASA



Dr. St. Germain is the Division Director of the Earth Science Division, in the Science Mission Directorate at the National Aeronautics and Space Administration (NASA) Headquarters. She provides executive leadership, strategic direction, and overall management for the entire agency's Earth Science portfolio, from technology development, applied science, research, mission implementation and operation.

Prior to coming to NASA, Dr. St. Germain was the Deputy Assistant Administrator, Systems (DAAS), for NOAA's Satellite and Information Service. She guided the ongoing development and deployment of NOAA's two major satellite programs (the Joint Polar Satellite System and Geostationary Operational Environment Satellite – R series), the COSMIC-2 mission, and the Space Weather Follow-On.

Prior to becoming the DAAS, Dr. St. Germain served as the Director of the Office of Systems Architecture and Advanced Planning (OSAAP) where she led NOAA's enterprise-level architecture development to define NOAA future spaceborne capabilities. From 2011 to 2016, Dr. St. Germain served in the Space, Strategic and Intelligence Systems (SSI) Office, Office of the Under Secretary of Defense for Acquisition, Technology and Logistics (OUSD AT&L). Dr. St. Germain also led the Remote Sensing and Prompt Strike Division within SSI, where she was responsible for acquisition shaping and oversight of DoD strategic missile warning and space-based environmental monitoring portfolio.

Dr. St. Germain holds a Bachelor of Science degree in electrical engineering from Union College (1987) and a Doctor of Philosophy degree in Electrical Engineering from the University of Massachusetts (1993). She is also a Distinguished Graduate of the National War College, National Defense University where she earned a Master of Science degree in National Security Strategy in 2013.

➤ **Mid-Atlantic Regional Association Coastal Ocean Observing System (MARACOOS) Briefing**

Gerhard Kuska - Executive Director, MARACOOS



Dr. Gerhard Kuska is the Executive Director of the Mid-Atlantic Regional Association Coastal Ocean Observing System (MARACOOS, or Mid-Atlantic IOOS), a NOAA federally-certified regional association of academic, governmental, and private organizations from Cape Cod to Cape Hatteras that power understanding and prediction of the Mid-Atlantic ocean, coasts, and estuaries. He is also the Chair of the Board of the IOOS Association. Gerhard has served over the past 35 years in a variety of positions and organizations in the US, Europe, and the Middle East, including with NOAA, the White House Council on Environmental Quality, the United States Senate, the US Commission on Ocean Policy, and private industry with the sectors for international cargo transportation and for environmental services. He received his Ph.D. in Marine Policy from the University of Delaware.

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July 25, 2024

➤ **Congressional Session and Q&A - IOOS Authorizing Legislation**

Dana Rollison (Professional Staff Member) | Majority Staff | United States Senate Committee on Commerce, Science, and Transportation | Subcommittee on Oceans, Fisheries, Climate Change, and Manufacturing



Dana Rollison has worked as a staff member in the Senate since September 2023 and previously worked as Senior Advisor for Interior and Natural Resources in the U.S. House of Representatives. She earned a Masters of Environmental Management, Coastal Environmental Management degree from the Duke University Nicholas School of the Environment in 2015 and earned her B.S. in Environmental Science from the University of Michigan in 2013.

Annick Miller (Staff Director) | Majority Staff | House Committee on Natural Resources | Subcommittee on Water, Wildlife, and Fisheries



Annick Miller is the Staff Director House Natural Resources Committee Water, Wildlife and Fisheries Subcommittee and has served in various legislative and policy advisory roles in the U.S. House of Representatives since 2011. She earned a MPP from George Mason University in 2012 and a B.S. in international business, trade and commerce from Johnson and Wales University in 2010.

Carl Gouldman - Director, U.S. IOOS Office



Carl Gouldman took the helm as Director of the U.S. Integrated Ocean Observing System (IOOS®) Office in February 2017. Prior to becoming the director, Carl served as the Deputy Director of the program since June 2014 and has been in NOAA since 2000. U.S. IOOS is our eyes on the ocean, coasts, and Great Lakes, and we are an integrated network of people and technology gathering observing data and developing tracking and predictive tools to benefit the economy, the environment, and public safety at home, across the nation, and around the globe

Before NOAA, Carl spent 3 years in the education department at the Chesapeake Bay Foundation where he led field programs teaching students about bay ecology and conservation. He holds a B.S. in political science from Duke University and a Masters (MEM) in Coastal Environmental Management from the Nicholas School of the Environment and Earth Sciences at Duke.

Nicole R. LeBoeuf - Assistant Administrator, NOAA's National Ocean Service



Nicole R. LeBoeuf is the Assistant Administrator for the National Oceanic and Atmospheric Administration's National Ocean Service, an organization of 1,800 staff in more than 50 locations around the country. Ms. LeBoeuf oversees all strategic and operational aspects of America's premiere coastal and ocean agency. NOAA's National Ocean Service provides science-based solutions through collaborative partnerships to address evolving economic, environmental, and social pressures on our ocean, coasts, and coastal communities.

Nicole brings her passion for the coasts and ocean health to her role by encouraging meaningful engagement with multiple sectors and coastal communities to serve their needs as climate change impacts are already threatening lives and livelihoods. Prior to assuming this role, Nicole worked on a wide range of issues from protected species conservation and oil spill response to international treaty negotiation. Ms. LeBoeuf served as Acting Deputy Director of the Office of Protected Resources in NOAA Fisheries, where she maintained oversight of a diverse protected species conservation and management portfolio. Before that, she spent four years as the Chief of the Marine Mammal and Sea Turtle Conservation Division in the Office of Protected Resources. Her work included, among numerous duties, application of scientific information to implement the Marine Mammal Protection Act and the Endangered Species Act and is a subject matter expert in the implementation of both statutes.

Ms. LeBoeuf served in the NOAA Budget Office as NOAA's finance lead during the Deepwater Horizon oil spill. Her international expertise includes overseeing NOAA's Antarctic Treaty System responsibilities, coordinating protected species bycatch reduction efforts in multiple tuna treaties, and representing NOAA at the U.N. General Assembly regarding the protection of deep sea corals. Ms. LeBoeuf holds a B.S. in Marine Biology from Texas A&M University and a M.S. in Sustainable Development and Conservation Biology from the University of Maryland.

John Potts - NOAA Budget Director



John Potts has over 30 years of budgeting and financial management experience at NOAA. He first came to NOAA at the National Weather Service in 1990 as a budget analyst where he advanced through the ranks working on the NWS Modernization and Associated Restructuring, and post-Modernization technology infusion, high-performance computing, and facilities initiatives. He served as the Director of the Budget Formulation and Program Analysis Division and then Deputy NWS CFO. In 2008, John spent time at NOAA's National Ocean Service as acting CFO and then as CFO at NOAA's Office of Marine and Aviation Operations (OMAO) where he served until 2013. He has served as the NOAA Budget Director since 2022.

John holds a bachelor's degree from Gettysburg College in Gettysburg, PA., and received his master's degree from Johns Hopkins University with a concentration in finance.

Dr. Rick Spinrad - Under Secretary of Commerce for Oceans and Atmosphere & NOAA Administrator



Richard (Rick) W. Spinrad, Ph.D., was sworn in on June 22, 2021, as the Under Secretary of Commerce for Oceans and Atmosphere and the 11th NOAA Administrator. Dr. Spinrad is responsible for the strategic direction and oversight of the agency and its over 12,000 employees, including developing NOAA's portfolio of products and services to address the climate crisis, enhancing environmental sustainability and fostering economic development, and creating a more just, equitable, diverse, and inclusive NOAA workforce.

Most recently, Dr. Spinrad served as a Professor of Oceanography and Senior Adviser to the Vice President of Research at Oregon State University (OSU). He was also Vice President for Research at OSU from 2010-2014. Previously, Dr. Spinrad served as NOAA's Chief Scientist under President Barack Obama from 2014 until 2016. He also led NOAA's Office of Oceanic and Atmospheric Research and National Ocean Service from 2003-2010.

Earlier in his career, Dr. Spinrad held leadership positions at the U.S. Office of Naval Research and Oceanographer of the Navy, where he was awarded the Distinguished Civilian Service Award — the highest award given by the U.S. Navy to a civilian. He has held faculty appointments at OSU, the U.S. Naval Academy, and George Mason University; served as Executive Director at the Consortium for Oceanographic Research and Education; was President of Sea Tech, Inc.; and worked as a research scientist at OSU and the Bigelow Laboratory for Ocean Sciences.

Dr. Spinrad received his B.A. in Earth and Planetary Sciences from The Johns Hopkins University, and his M.S. and Ph.D. in Oceanography from Oregon State University.
