

Workshop Organizers

Jeremy Firestone is Professor of Marine Policy at the University of Delaware (UD). He also is Director of UD's interdisciplinary [Center for Research in Wind \(CReW\)](#). Professor Firestone focuses on understanding public attitudes toward, reactions to, and behaviors regarding renewable energy technology using survey research and semi-structured interviews. He also works on marine spatial planning and ocean and coastal governance. He teaches energy, climate, and ocean and coastal law and policy courses. In the public sphere, he has served on the Delaware's Offshore Wind Power Working Group and as Chair of Newark, Delaware's Planning Commission. He received a Bachelor of Science in Cellular and Molecular Biology and a Juris Doctorate from the University of Michigan and PhD in Public Policy Analysis from University of North Carolina. Previously, he worked as a lawyer for US EPA and the State of Michigan.

Bonnie Ram is an Associate Director for Strategic Initiatives at the Center for Research in Wind Energy at the University of Delaware (UD) and also has her own consulting practice focusing on clean energy transitions, environmental and social effects, and local community engagement. Bonnie led and completed a one-year strategic planning process for UD's College of Earth, Ocean, and Environment that resulted in an interdisciplinary climate science and policy hub. She was invited to serve as a Guest Senior Researcher at the Danish Technical University – Wind Energy Department for two years where her responsibility was to stimulate new thinking and build and fund a new interdisciplinary division in Denmark. For 10 years, as a corporate officer at a national consulting firm, she managed contracts with DOE's Office of Wind Energy Technologies and the National Renewable Energy Laboratory where she was the co-manager of the first U.S. government offshore and land-based wind strategies.

Danielle Swallow is a Coastal Hazards Specialist with Delaware Sea Grant, where she provides technical assistance and outreach to communities on emergency preparedness and building resilience to weather and climate hazards. She is co-founder of the Resilient and Sustainable Communities League (RASCL), a professional network of organizations dedicated to helping communities thrive in the face of changing climate and environmental conditions. She is also active in advising communities about resilient land use practices, hazard mitigation strategies, and capacity building. Previously, Danielle managed the Resilient Community Partnership grant program at the Delaware Department of Natural Resources and Environmental Control (DNREC) and she served on the technical committee that developed the state's sea level rise planning scenarios. Danielle is active in COVID-19 response and Delmarva adaptation networks. Prior to joining DNREC, Danielle spent over 15 years at the National Oceanic and Atmospheric Administration (NOAA) in Washington, DC where she specialized in climate policy and marine operations.

David Bidwell is an Associate Professor of Marine Affairs at the University of Rhode Island. His work uses the tools and theories of environmental sociology and social psychology to understand how people react to environmental issues. He has published extensively on public attitudes towards and experiences with offshore wind energy development in the United States. Prior to his academic career, Dr. Bidwell served as a public participation consultant and a zoo educator. He holds a PhD in Sociology from Michigan State University and a MS in Natural Resource Policy from the University of Michigan.

Day 1
April 20, 2021

Keynote Address

Bonnie McCay, retired from the Department of Human Ecology at Rutgers University, New Brunswick, New Jersey, is an environmental anthropologist. She studies the challenges people face making a living from and living near the sea along the Atlantic coasts of the U.S. and Canada and on Mexico's Pacific coast, with a view toward sustainable use and management of common pool and public trust resources. She has recently published with colleagues on effects of climate change and hurricanes on fisheries and fishing communities, and on conflicts and accommodation between fishing groups and offshore wind developers. She is a member of the National Academy of Sciences and fellow of the American Association for the Advancement of Science and the American Fisheries Society.

Discussants

Patrick Field is Senior Mediator at the Consensus Building Institute. Mr. Field has helped thousands of stakeholders reach agreement on energy, land use, development, and natural resource management issues across the United States and Canada. He is co-author of the award-winning book, *Dealing with an Angry Public* (Free Press) *Land in Conflict: Managing and Resolving Land Use Disputes* (Lincoln Institute), *Managing Climate Risks in Coastal Communities: Strategies for Engagement, Readiness and Adaptation* (Anthem), and *Resolving Land and Energy Conflicts* (Anthem). Mr. Field is listed on the roster of conflict resolution professionals of the U.S. Institute for Environmental Conflict Resolution, the U.S. Environmental Protection Agency, and the U.S. Department of Interior.

David Bidwell is an Associate Professor of Marine Affairs at the University of Rhode Island. His work uses the tools and theories of environmental sociology and social psychology to understand how people react to environmental issues. He has published extensively on public attitudes towards and experiences with offshore wind energy development in the United States. Prior to his academic career, Dr. Bidwell served as a public participation consultant and a zoo educator. He holds a PhD in Sociology from Michigan State University and a MS in Natural Resource Policy from the University of Michigan.

Day 2
April 21, 2021

Keynote Address

Kirstin Dow is Professor in the Department of Geography at the University of South Carolina. She is a social-environmental geographer focusing on understanding climate impacts, vulnerability, and adaptation using methods involving extensive participation of stakeholders and decision-makers. Dr. Dow has published in peer-reviewed journals, edited volumes, climate assessments, and popular literature. Among these efforts are the co-edited volumes *Climate of the Southeastern United States* and *Climate in Context: Science and Society Partnering for Adaptation*; chapters in the *Intergovernmental Panel on Climate Change (IPCC) 5th Assessment, Working Group 2 Report* and in the *3rd and 4th US National Climate Assessments*; and, for general audiences, *The Atlas of Climate Change*. She is recognized for her community engagement and interdisciplinary science. Dow was named as Fellow to the 2016 inaugural class of AAAS Leshner Leadership Institute Public Engagement with Science. She was also selected as a Breakthrough Leadership Scholar and as a Carolinas Trustees Professor by the University of South Carolina. Other awards include the Zayed Prize for Scientific and Technical Achievement for participation in the Millennium Ecosystem Assessment, USC Environmental Stewardship Award, and USC Outstanding Faculty Service-Learning Award. Since 2011, Dow has served as principal investigator of the [Carolinas Integrated Sciences and Assessments \(CISA\)](#), 1 of 11 NOAA-supported Regional Integrated Sciences and Assessments (RISA) teams partnering with decision makers to bridge climate science and decision making in support of climate adaptation strategies specific to water resources, coastal regions, and public health concerns in the Carolinas.

Discussants

Darlene Finch is the Mid-Atlantic Lead for NOAA's Office for Coastal Management. She works with coastal management programs, estuarine research reserves and other other coastal partners from Virginia north to New York on understanding and managing coastal communities and ecosystems. Darlene sits in Annapolis, Maryland and works with partners throughout the region on coastal resilience and ocean planning. She is currently a Steering Committee member of the Mid-Atlantic Committee on the Ocean and was previously the Federal co-lead for the Mid-Atlantic Regional Planning Body. Darlene has been with NOAA for more than 3 decades (oh my!). She originally came to NOAA as a Sea Grant Fellow out of the University of North Carolina at Chapel Hill, where she received a Master's Degree in Urban and Regional Planning. She has experience with a range of management programs in NOAA, from estuarine programs, to national marine sanctuaries, to damage assessment and restoration, but has focused most recently on coastal management. Darlene loves recreating on the water and a strong penchant for visiting Turkey.

Danielle Swallow is a Coastal Hazards Specialist with Delaware Sea Grant, where she provides technical assistance and outreach to communities on emergency preparedness and building resilience to weather and climate hazards. She is co-founder of the Resilient and Sustainable Communities League (RASCL), a professional network of organizations dedicated to helping communities thrive in the face of changing climate and environmental conditions. She is also active in advising communities about resilient land use practices, hazard mitigation strategies, and capacity building. Previously, Danielle managed the Resilient Community Partnership grant program at the Delaware Department of Natural Resources and Environmental Control (DNREC) and she served on the technical committee that developed the state's sea level rise planning scenarios. Danielle is active in COVID-19 response and Delmarva adaptation networks. Prior to joining DNREC, Danielle spent over 15 years at the National Oceanic and Atmospheric Administration (NOAA) in Washington, DC where she specialized in climate policy and marine operations.

Day 3
April 22, 2021

Keynote Address

Melissa Finucane is a Senior Social and Behavioral Scientist at RAND, Pittsburgh PA, and Senior Fellow at the East-West Center, Honolulu HI. She has more than 20 years of experience conducting research and capacity building activities related to environmental health risk in coastal regions around the globe. Dr. Finucane is Lead Principal Investigator and Director of the [Consortium for Resilient Gulf Communities](#), which is an interdisciplinary partnership aimed at advancing understanding of disaster health and socio-economic impacts, risk communication, program evaluation, and resilience-related decision support. As a Research Investigator with the Mid Atlantic Regional Integrated Sciences and Assessments (MARISA) and Pacific RISA programs, Dr. Finucane utilizes use-inspired methods and generates products relevant for immediate uptake by real-world decision makers to support climate adaptation. She is a member of the Environmental Information Services Working Group of NOAA's Scientific Advisory Board.

Discussants

Marcus D. Hendricks is an Assistant Professor of Urban Studies and Planning and the Director of the Stormwater Infrastructure Resilience and Justice (SIRJ) Lab in the School of Architecture, Planning, and Preservation at the University of Maryland. His primary research interests include infrastructure planning and management, social vulnerability to disaster, environmental justice, sustainable development, public health and the built environment, and participatory action research. At the intersection of his work, he uses a combined social vulnerability to disaster and environmental justice framework, to ensure that lower-income communities, particularly of color, are planned and accounted for, emphasizing participation and action, in light of everyday stormwater management and extreme events such as urban flooding. His research takes into account how socio-spatial dynamics related to the inventory, condition, and distribution of critical infrastructures and public works, mainly water infrastructure (i.e., stormwater, wastewater, and drinking water) and green space, can modify risks of hazard exposure, resulting disaster impacts, public health outcomes, long-term recovery, and opportunities for community resilience.

Vanessa Parks is an environmental and health sociologist. She currently works as a postdoctoral research associate at the University of Mississippi's Center for Population Studies, where she studies human-environment interactions, especially with respect to natural resource-based occupations and how they shape people's health and well-being, in the Mississippi Delta and the Gulf South regions. Much of her work focuses on how coastal populations, particularly individuals with ties to the fishing and seafood industry, perceive and respond to environmental shocks and stressors. For these efforts, she was named a Gulf of Mexico Research Initiative Scholar while a graduate student at Louisiana State University.

Graduate Student Research Assistants

Sam Bingaman. Samantha Bingaman (matriculated in M.P.P, Marine Policy 2019) obtained her B.S. in Environmental Science and Policy from the University of Maryland, College Park, in 2017. She works with the Center for Research in Wind at the University of Delaware with major advisor Dr. Jeremy Firestone, exploring longitudinal attitude shifts regarding the Block Island Offshore Wind Project in Rhode Island. She is also working with Dr. George Parsons' team, understanding coastal Delawareans' attitudes toward offshore wind power with stated choice experiments.

Sam Fielding. Sam Fielding is a PhD student in the Marine Policy program at the University of Delaware researching coastal adaptation, including natural infrastructure, flood insurance and risk. He holds an M.A. in International Environmental Policy from the Middlebury Institute of International Studies and has completed a NOAA Knauss Marine Policy fellowship with the U.S. Army Corps of Engineers, as well as a Fulbright student research grant studying coastal management in China.

Hannah-Marie Garcia. Hannah-Marie is master's student in Marine Policy, University of Delaware. Her master's research uses semi-structured interviews, policy analysis, and content analysis to enhance understanding of tribal engagement practices and foster more collaborative decision-making essential for the transition to a more sustainable United States. Hannah-Marie earned a B.A. in Environmental Studies and Sustainability from Sewanee, the University of the South in 2019. Her thesis focused on documenting and understanding whaling practices in St. Vincent & the Grenadines.

Aaron Russell. Aaron Russell is a PhD candidate in Water Science and Policy, University of Delaware, Magers Family Fellow, and research assistant in the Center for Research in Wind. He holds a Master's of Science in Geography and Environmental Studies, University of New Mexico. Aaron predominantly relies on qualitative and quantitative strategies for studying socio-environmental implications of energy projects. He has studied community perceptions of large solar installations in southern Colorado and the Block Island Offshore Wind Project in Rhode Island. Aaron is presently undertaking a qualitative policy analysis of the relicensing of the Conowingo Dam above Chesapeake Bay, with a focus on collaborative processes, policy learning, and policy change.

Other Participants

Kristin Baja. Baja is the Program Director for Climate Resilience with the Urban Sustainability Directors Network (USDN). She directly supports 240 local governments in taking proactive action on equity-centered climate resilience.

Allison Bates. Dr. Bates researches social acceptance of energy systems. Her expertise is in developing statistically robust surveys, stakeholder engagement and qualitative data collection, and spatial models and siting. Her current work is in equity and energy justice. Dr. Bates has worked with community-based NGOs in addition to her academic appointments.

Austin Becker. Dr. Austin Becker is Associate Professor in the Department of Marine Affairs at the University of Rhode Island. As an interdisciplinary scientist, he works across the fields of planning, policy, engineering, and ocean science.

Joshua Brown. Joshua Brown has been with NOAA Sea Grant for just over 10 years, during which time they have worked on a range of issues around sustainability, resilience, and adaptation.

Anna Brown. Anna Brown is Founder and Principal of Aequita Consulting LLC. Anna has 20 years of experience in climate adaptation and resilience, inclusive urbanization, and sustainable development. She currently leads a resilience initiative with NYSERDA. At The Rockefeller Foundation, Anna managed the Asian Cities Climate Change Resilience Network. At The Nature Conservancy, she led the North America climate adaptation strategy. Anna currently serves on several boards – from local to Global. Anna has an Environmental Studies Bachelor's degree from Brown and a Master's in City Planning from MIT.

Rebecca Certner. Rebecca joined the National Sea Grant Office in September of 2019 and was a Sea Grant Knauss fellow in 2018. She is the Federal Program Officer for Delaware, Pennsylvania, and Lake Champlain Sea Grant. Rebecca holds a Ph.D. in marine ecology – specifically coral disease – from Northeastern University.

Rodney Cluck. Dr. Rodney Cluck holds a Ph.D. in environmental sociology from Mississippi State University and a Master's Degree in Rural Sociology from the University of Arkansas, Fayetteville. For 6 years, beginning in 1999, Dr. Cluck served as the senior Bureau social scientist where he developed and oversaw scientific studies and conducted National Environmental Policy Act analysis. In 2005, Dr. Cluck joined the Office of Renewable Energy Programs and became the project manager for the United States' first proposed offshore wind facility. Dr. Cluck is currently the Chief of the Division of Environmental Sciences where he leads the Environmental Studies Program, the scientific backbone that informs policy decisions regarding leasing and development of ocean energy.

Kimberly Cole. Kimberly Cole is an administrator for the Coastal Section in the Division of Climate, Coastal and Energy.

Sarah W. Cooksey. Sarah currently serves as Secretary to Delaware Audubon and represents environmental interests as a Board member to Delaware's Native Species Commission. She is past Administrator of Delaware's Coastal Programs and Director of Conservation for Delaware's chapter of The Nature Conservancy

Jennifer de Mooy. Planner on climate policy issues including greenhouse gas emission reduction and strategies for increasing resilience to climate change impacts

Elizabeth Fly. Liz is the Marine Conservation Director for The Nature Conservancy South Carolina. She is expanding the Conservancy's engagement in important coastal and offshore issues facing South Carolina, including using nature-based solutions to mitigate flood risk, encouraging regional sediment management and beneficial reuse of dredged material, and supporting sustainable fisheries.

Mary Hallisey. As Research Program Manager for NREL's WINDEXchange Program, Mary Hallisey leads a team of professionals focused on mitigating barriers associated with wind energy development and deployment as it relates to community siting and planning. Previous research at Georgia Tech includes OSW feasibility studies, stakeholder engagement, and coastal & marine spatial planning.

Brian Hooker. Brian has been with BOEM's Office of Renewable Energy Programs since 2010 aiding in the assessment and study of environmental impacts from offshore renewable energy along the U.S. Atlantic seaboard. His area of expertise at BOEM is around protected species, essential fish habitat, and commercial and recreational fishing. He now leads a team at BOEM that is responsible for Endangered Species Act and Magnuson-Stevens Fisheries Conservation Act consultations and National Environmental Policy Act assessment subject matter expertise for Atlantic offshore wind projects.

Marjorie Kaplan. Dr. Kaplan leads the Rutgers Climate Institute program office, co-facilitates the New Jersey Climate Adaptation Alliance and is Co-director of the New Jersey Climate Change Resource Center. She

participates and helps develop applied research and analyses related to climate mitigation and adaptation. Dr. Kaplan's almost 40-year career has included more than 20 years in government and 10 years in the private sector prior to academia.

Marissa Knodel. Marissa Knodel joined the Bureau of Ocean Energy Management as an appointed Advisor in January 2021. She previously worked at Friends of the Earth as a Climate Campaigner and Earthjustice as Legislative Counsel. She holds a B.A. from Dartmouth College and a joint J.D.-Master of Environmental Management (MEM) from Vermont Law School and the Yale School of the Environment.

Kelsey Leonard. Dr. Kelsey Leonard is a water scientist, legal scholar, policy expert, writer, and enrolled citizen of the Shinnecock Nation. Her work focuses on Indigenous water justice and its climatic, territorial, and governance underpinnings for our shared sustainable future. Dr. Leonard represents the Shinnecock Nation on the Mid-Atlantic Committee on the Ocean, which is charged with protecting America's ocean ecosystems and coastlines. She also serves as a member of the Great Lakes Water Quality Board of the International Joint Commission. Dr. Leonard has been instrumental in safeguarding the interests of Indigenous Nations for environmental planning, and builds Indigenous science and knowledge into new solutions for sustainable water and ocean governance.

Jonathan Lilley. Jonathan coordinates BOEM's Studies Development Plan – an annual planning document which communicates BOEM's proposed research studies both internally and externally with potential partners and other interested parties. Prior to joining BOEM, Jonathan worked for Sea Grant. He received his Ph.D. in Marine Studies (Policy) from UD in 2010.

Susan Love. Susan is the Administrator of the Climate and Sustainability Section in DNREC where she leads initiatives to prepare the state for the effects of climate change and to reduce the greenhouse gas emissions responsible for our changing climate.

Tony MacDonald. Tony MacDonald, Esq. is the Director of the Urban Coast Institute (UCI) at Monmouth University in West Long Branch, New Jersey. The mission of the UCI is to serve the public interest as a forum to support healthy coastal ecosystems, and resilient, sustainable coastal communities. Mr. MacDonald is a member of the National Academy of Sciences Ocean Studies Board and a co-author of the Northeast Chapter of the Global Change Research Program's 4th National Climate Assessment. His current work focuses on regional ocean planning, coastal zone management, sea level rise and coastal community resilience. Mr. MacDonald was previously the Executive Director of the Coastal States Organization (CSO) in Washington, D.C, Special Counsel and Director of Environmental Affairs at the American Association of Port Authorities, and an attorney in public and private practice. He is a graduate of Middlebury College and the Fordham University School of Law.

Kyle McElroy. Kyle is a first year Marine Affairs PhD student interested in coastal adaptation and planning issues.

Karen O'Neill. Karen M. O'Neill is Associate Professor in Human Ecology at Rutgers University. She is a historical sociologist studying policies on land and water, especially coastal climate adaptation, biodiversity, and invasive species. She is currently co-PI on a project studying funding for watershed conservation in the Delaware River Basin, USA.

Kris Ohleth. Kris has worked in the offshore wind industry for over 15 years, since the days of the industry's inception in the U.S. Holding senior positions with offshore wind developers, NGOs, and state agencies, she has gained critical insights into the policy and regulations that shape offshore wind activities at the state, regional, and federal levels.

Shaelyn Patzer. Shaelyn is a current Knauss Fellow, working as an interagency specialist between DOE's Wind Energy Technologies Office/Water Power Technologies Office (WETO/WPTO) and NOAA's Sea Grant national office.

Ann Phillips. Ann C. Phillips is the Special Assistant to the Governor of Virginia for Coastal Adaptation and Protection. Preceding her appointment, she worked to address sea level rise and climate impact on national security at the regional, national and international level, and prior to that work, served nearly 31 years on active duty in the US Navy as a Surface Warfare Officer.

Stanley Pruss. Stanley "Skip" Pruss, an attorney and energy consultant, co-founded 5 Lakes Energy LLC. Prior to that Skip was the Director of the Michigan Department of Energy, Labor and Economic Growth and Michigan's Chief Energy Officer and also served as Governor Jennifer Granholm's Special Advisor for Renewable Energy and the Environment.

Pam Rubinoff. Pam is a Coastal Resilience Specialist, URI Coastal Resources Center/RI Sea Grant. For over 30 years, Pam has linked engineering, natural hazards, and coastal management to provide technical assistance to vulnerable communities. Through her leadership she brings the best available science to incorporate science-based risk exposure and reduction practice into tangible guidance and outreach tools, locally and internationally. Pam has a master's degree in marine policy from University of Rhode Island and a Bachelor of Civil Engineering from University of Delaware.

Tiffany Smythe. Dr. Tiffany Smythe is Assistant Professor of Maritime Policy at the United States Coast Guard Academy. She is an interdisciplinary social scientist specializing in marine governance. Her research focuses on offshore wind farms, marine spatial planning, ecosystem-based management and port and coastal resilience.

Maggie Yancey. Maggie Yancey currently works for the Department of Energy's Wind Energy Technologies Office and leads the office's community impacts research and outreach activities. Before starting at DOE, Maggie organized national water campaigns for the nonprofit the National Wildlife Federation, including the landmark Clean Water Rule, and the historic BP Deep Water Horizon Oil Spill settlement to protect wildlife in the Gulf of Mexico. She is a graduate of University of Nebraska with a Master of Public Administration and a Bachelor of Journalism from the University of Texas at Austin.