

Building Community Expertise: The NY-NJ USACE HATS Teach-In

AGENDA + PRESENTERS

SESSION 1 | WELCOME

Amy Chester, *Managing Director, [Rebuild by Design](#)*

SESSION 2 | CLIMATE RISKS IN THE REGION, THE ARMY CORPS PROPOSAL & PROCESS

Bernice Rosenzweig, *Faculty, [Sarah Lawrence College](#)*

Bernice Rosenzweig is a professor in the Environmental Science Department at Sarah Lawrence College. Her research focuses on climate change, extreme weather and urban water systems, and she is particularly interested in the interactions of global climate change and megacity development. She holds degrees in Environmental Geology (B.S., Rutgers University) and Environmental Engineering (Ph.D., Princeton University).

United States Army Corps of Engineers

- **Colonel Matthew Luzzatto**, *Commander, [USACE New York District](#)*
- **Bryce Wisemiller**, *Project Manager, Programs and Project Management Division, [USACE New York District](#)*
- **Carissa Scarpa**, *Chief, Watershed Section, Environmental Analysis Branch, [USACE New York District](#)*

Kate Boicourt, *Director of NY-NJ Climate Resilient Coasts and Watersheds, [Environmental Defense Fund](#), @KateBoicourt*

Kate Boicourt works within EDF's Climate Resilient Coasts and Watersheds team to foster partnerships to collectively advocate for comprehensive, evidence-based and equitable policies and investments that build resilience for all in New York and New Jersey. In her prior position as the Director of Resilience for Waterfront Alliance, she spearheaded Rise

to Resilience, a multi-year campaign and coalition for resilience in the NY-NJ region, as well as the development of WEDG (Waterfront Edge Design Guidelines) into a national rating system and education program for excellence in waterfront design. Prior to that, she served as the restoration program manager for the NY-NJ Harbor & Estuary Program (HEP), where she focused on coastal issues related to restoration, public access, and climate change. Kate also led a team of experts to develop a Climate Change Adaptation Plan for the State of Maryland and has held multiple roles conducting and synthesizing research to influence policy and environmental management.

SESSION 3 | FUNCTIONALITY OF THE PROPOSED FLOOD MEASURES, MULTI-HAZARD AND MULTI-BENEFIT DESIGN, AND EXAMPLES FROM OTHER CITIES

Edgar Westerhof, *US Climate Adaptation Solution Lead*, [Arcadis](#), @edgar_westerhof
Mr. Westerhof is Vice President with Arcadis and serves as North America Adaptation Solution Lead. Edgar is a water engineer and planner with 23 years of experience in urban water management. Following his move to the US from the Netherlands in 2012, Edgar led the Arcadis participation in the international HUD Rebuild by Design competition post Sandy, including the winning BIG U plan for the protection of Lower Manhattan. Edgar was the Rockefeller Foundation 100 Resilient Cities participation lead and contributed to numerous city resilience strategies. He recently joined ASCE Foundation to lead the international Climate Adaptation Working Group research. Edgar is a faculty member of Pratt Institute at the Graduate Architecture and Urban Design program and is contributing author of the book *Blue Dunes* (Columbia) and *Adapting Cities to Sea Level Rise* (Island Press).

Justine Shapiro-Kline, *Associate*, [One Architecture & Urbanism](#)
Justine is an architect and urban planner who has worked with public agencies, communities, and organizations across the U.S. on visioning efforts and master plans, strategic initiatives for adaptation to climate change and its impacts, and the design and construction of public space. Her practice prioritizes collaborative design and planning processes in order to support the development of sustainable communities and resilient places. Justine received a Master of Architecture and Master of Science in Urban Planning from Columbia University GSAPP, and a Bachelor of Arts in History & Literature from Harvard College. She leads the American Society of Adaptation Professionals' membership group, Community Adaptation Planning & Design.

Dr. Luce Bassetti, [Jacobs Americas](#) Coastal Lead @LuceBassetti
As the lead for Jacobs' U.S. Coastal Resiliency Program, Dr. Bassetti brings the company's climate response programs into sharp focus. With a strong background in coastal resiliency planning, she adds extensive international and technical experience to solving client's problems. Luce has been focusing on coastal resilience, climate change and sustainable development to address global challenges. In delivering projects around the world, she brings an understanding of the social and economic context of projects in different regions, the impacts on communities, and applicable climate change policies. She recently contributed to a chapter in the ACEC book "Climate Change and the Built Environment." Luce is also the new Climate Change Champion for PIANC EnviCOM.

SESSION 4 | LEVERAGING NATURE AND MITIGATING POTENTIAL THREATS TO WATER QUALITY

Pippa Brashear, *Resilience Principal*, [SCAPE Landscape Architecture](#), @PippaWb

Pippa Brashear, RLA, is Resilience Principal and Partner at SCAPE. A leading national expert on resilience planning and design for climate adaptation, Pippa works with multi-disciplinary teams to develop landscape strategies and next-century infrastructure that integrate environmental, economic and social benefits. She leads both planning and built work teams within the firm, bringing an ecological and people-driven approach to SCAPE's projects—informed by systems thinking; an understanding of natural and nature-based systems; engineering methods; and social and environmental equity. Pippa holds a Master's in Landscape Architecture and Master's in Urban Planning with Distinction from the Graduate School of Design (GSD) at Harvard University. She also holds a Bachelor's of Arts, cum laude, in Environmental Science and Public Policy from Harvard College.

Philip Orton, *Research Associate Professor*, [Stevens Institute of Technology](#), @philiorton

Philip earned his PhD in physical oceanography from Columbia University in 2010, and specializes in coastal physical oceanography, storm surges, flood risk assessment, air-sea interaction, and coastal meteorology. He has published over 50 peer-reviewed articles in peer-reviewed journals and several Op-Eds in newspapers such as the New York Times Sunday Edition. He is a member of the New York City Panel on Climate Change, the New Jersey Climate Adaptation Alliance Science and Technical Advisory Panel, and was a contributing author for the Intergovernmental Panel on Climate Change (IPCC) Sixth Assessment Report. Professor Orton has directed research projects funded by the National Science Foundation, NOAA, NASA, USGS and the National Parks Service, as well as state, city and NGO funding sources.

SESSION 5 | THE EFFECTS OF THE USACE PROPOSAL ON THE REGION'S CRITICAL INFRASTRUCTURE AND LONG-TERM PLANNING

[NJ Department of Environment Protection](#)

- **Nick Angarone**, *Chief Climate Resilience Officer*, @nick_angarone
- **Kunal Patel**, *Engineer*
- **Dennis Reinknecht**, *Director, Division of Resilience Engineering and Construction*

[NYS Department of Environmental Conservation](#)

- **Matthew Chlebus**, *Professional Engineer*
- **Rodney Rivera**, *Special Assistant, District 2, NYSDEC*

[NYC Mayor's Office of Climate and Environmental Justice](#)

- **Cherry Mui**, *Research Projects Coordinator*
- **Victoria Cerullo**, *Strategic Partnerships*

SESSION 6 | POTENTIAL IMPACTS OF THE USACE PROPOSAL ON EJ COMMUNITIES AND HOUSING EQUITY

Anthony Rogers-Wright, *Director of Environmental Justice*, [New York Lawyers for the Public Interest](#)

Anthony Karefa Rogers-Wright is a national racial and climate justice advocate, and currently serves as NYLPI's Director of Environmental Justice. In this capacity, he guides and coordinates the organization's EJ strategy, litigation, organizing and advocacy initiatives. Anthony was selected as one of the Grist.org "50 Environmentalists You'll Be Talking About" in 2016. He's written numerous articles discussing the axiomatic nexus of the climate crisis and racial injustice and has spoken on the subject at universities throughout the U.S. and in Europe. He is a proud member of the Black Alliance for Peace (BAP) and is blessed to be the father of his seven-year-old son, Zahir Cielo.

Hilary Ho, *MS Urban Planning Student*, [Columbia University GSAPP](#)

Hilary is a 2nd year Master's in Urban Planning student at Columbia concentrating in Urban Analytics. She works closely with Regional Plan Association on climate resilience initiatives and is also an ANHD/Morgan Stanley Community Development Fellow with Hope Community Inc., where she is developing a building sustainability program for the organization's Harlem-based affordable housing.

Johanna Lawton, *Project Manager*, [Rebuild by Design](#) @JohannaMLawton

Johanna Lawton is a Project Manager at Rebuild by Design, supporting initiatives to expand resilient infrastructure investments and equitable adaptation nationwide. Her research in New York City focuses on adapting to stormsurge, heavy rainfall, and the subsequent impacts of climate displacement. She holds a B.A. in Environment Policy from Colby College.

SESSION 7 | HAZARD AND RISK ASSESSMENT

Maxwell Evans, *Client Solutions Architect*, [Jupiter Intelligence](#)

Max Evans is a Solutions Architect at Jupiter Intelligence where he works across sectors with their North American clients on conducting portfolio level risk assessments. Max holds a Master's in Environmental Engineering from Stanford University where he studied the inequitable impacts of sea level rise on vulnerable communities in the San Francisco Bay Area.

Dr. Samantha Danchuk, *Climate and Coastal Resilience Lead*, [APTIM](#)

Dr. Samantha Danchuk, PE has a strong reputation as a trusted source amongst regional and national climate adaptation networks, has chaired a federal task force for marine climate policy development and is credited as the technical lead for nationally recognized policy and project case studies in multiple economic sectors. She has received 15 National Association of Counties Awards for community change initiatives and future conditions policies. Currently serving as APTIM's Climate and Coastal Resilience Lead, she has over 17 years of program management and resilient engineering experience, including seven years

as a County Associate Resilience Officer and Capital Program Administrator and 10 years as a coastal engineer with risk modeling and mitigation projects in nine states. Her specialties include assessing return on investment and economic advantages, applying innovative approaches to model coastal risk, and crafting holistic resilience strategies.

SESSION 7 | FINAL Q+A AND DISCUSSION

Representatives from the US Army Corps of Engineers