



# THE 6<sup>TH</sup> GILBERT F. WHITE NATIONAL FLOOD POLICY FORUM Increasing Our Resiliency to Urban Flooding

George Washington University – Marvin Center, 3<sup>rd</sup> Floor  
800 21st Street NW, Washington, DC 20052  
March 12-13, 2019

## Panelist Biographies

### Panel 1: Local and State Practitioner Perspective

#### **Amy Knowles, Deputy Resilience Officer, City of Miami Beach, FL**

Amy Knowles joined the City of Miami Beach as the Deputy Resiliency Officer in January of 2016. Her primary area of expertise is integrating resilience into government planning and operations. Notable plans include developing the Greater Miami and the Beaches 100 Resilient Cities strategy and the Miami Beach Rising Above Strategic Plan through the Lens of Resilience (in progress), the Fort Lauderdale Vision Plan and Strategic Plan, and GreenPrint- Miami-Dade County's Sustainability Plan. Significant project management experience includes a climate vulnerability assessment of city assets, the Urban Land Institute Panel on Stormwater Management and Climate Adaptation, the Business Case Analysis of the Stormwater Program, and the National Flood Insurance Program Community Rating System. Ms. Knowles previously served as the Structural Innovation Manager for the City of Fort Lauderdale. Ms. Knowles is a graduate of Leadership ICMA, the University of Virginia Senior Executive Institute, and the Harvard Kennedy School's executive program. Ms. Knowles holds a Master of Business Administration from the University of Miami and a Bachelor of Arts in Environmental Studies from Binghamton University in New York.



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#### **Joe Kratzer, P.E., CFM, Managing Civil Engineer, Metropolitan Water Reclamation District of Greater Chicago, IL**

Joe Kratzer has been with the Metropolitan Water Reclamation District of Greater Chicago (MWRD) for 15 years and is the Managing Civil Engineer in its Stormwater Management section. Through a variety of green and grey solutions, and strategic partnerships with local, state, and federal agencies, the MWRD's stormwater programs address both regional and local flooding problems throughout the Chicagoland area. Joe has a B.S. in Civil Engineering from Purdue University, and is a licensed Professional Engineer in Illinois, as well as a Certified Floodplain Manager. Prior to joining the MWRD in 2003, Joe worked as an environmental consulting engineer for seven years.

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**Sally Ann McConkey, P.E., CFM, D. WRE, Illinois State Water Survey, Prairie Research Institute, University of Illinois, Urbana-Champaign, IL**



Ms. McConkey is registered professional engineer in the State of Illinois and a Certified Floodplain Manager. She has a Master's Degree in Civil Engineering from the University of Illinois. She has been with the Illinois State Water Survey (ISWS) since 1984. She manages the Coordinated Hazard Assessment and Mapping Program (CHAMP). The 25-member CHAMP staff is composed of engineers, GIS specialists, outreach staff, and interns. The ISWS is a Cooperating Technical Partner (CTP) with the Federal Emergency Management Agency (FEMA) and in that role CHAMP performs hydrologic and hydraulic flood studies, Digital Flood Insurance Rate Map production, delegated review of Letter of Map Revisions, and community outreach. CHAMP staff are also engaged in a variety of research areas including flood inundation mapping, risk assessment, flood mitigation, hydrologic and hydraulic studies, and urban stormwater management. Ms. McConkey led the ISWS team contribution to the *Report for the Urban Flooding Awareness Act* (IDNR, 2015). Ms.

McConkey has been involved in several projects for the Metropolitan Water Reclamation District of Greater Chicago including work on watershed specific detention/retention release rates and geospatial screening assessment for stormwater trading.

Allan, K.M., C. Ballerine, M.P. McGuire, S. A. McConkey. 2017. *Land and Hydrologic Analyses for Stormwater Detention and Volume Control Trading Exchange in Cook County, Illinois*. Contract Report 2017-04. Illinois State Water Survey, Champaign, IL.

Illinois Department of Natural Resources, 2015. *Report for the Urban Flooding Awareness Act*. Report: [https://www.dnr.illinois.gov/WaterResources/Documents/Final\\_UFAA\\_Report.pdf](https://www.dnr.illinois.gov/WaterResources/Documents/Final_UFAA_Report.pdf)  
Appendix: [https://www.dnr.illinois.gov/WaterResources/Documents/Final\\_UFAA\\_Appendices.pdf](https://www.dnr.illinois.gov/WaterResources/Documents/Final_UFAA_Appendices.pdf)

**Christine Morris, Chief Resilience Officer, City of Norfolk, VA**



Ms. Morris currently serves as the Chief Resilience Officer for the City of Norfolk, VA. In October 2015 Norfolk became the third city in the 100 Resilient Cities network to launch a Resilience Strategy. In January 2016 in partnership with the Commonwealth of VA the City received \$120.5M under HUD's National Disaster Resilience Competition.

Ms. Morris began working for the city as an Assistant to the City Manager in March of 2013 concentrating on areas of workforce development and economic vitality including entrepreneurship and growing local business. She worked with Elevate Early Education to establish the New School, a state-wide demonstration preschool partnership with the University of Virginia.

Prior to joining Team Norfolk, she served as Vice President of Initiatives for the Hampton Roads Community Foundation.

She holds a BA from the University of Pennsylvania and a Master's degree in International Affairs from George Washington University.

## Panel 2: National Perspective

### Chad Berginnis, CFM, Executive Director, Association of State Floodplain Managers, Inc.



Chad Berginnis is the Executive Director of the Association of State Floodplain Managers (ASFPM). Chad has 26 years of experience in natural hazard management, flood loss reduction, and land use planning programs at the state, local and private sector level. As a state official, he worked in the Ohio Floodplain Management Program and was Ohio's State Hazard Mitigation Officer. He has been involved in creating/administering the Appalachian Flood Risk Reduction Initiative, revised model state floodplain management regulations, oversaw state hazard mitigation operations after three Federally declared flood disasters, managed over \$100 million in active projects, and authored the 2008 update of Ohio's mitigation plan. As a local official, Mr. Berginnis administered planning, economic development and floodplain management programs in Perry County, Ohio and developed / implemented a \$1+ million Hazard Mitigation Grant Program project in the village of

Corning. In the private Sector, Chad was the national Practice Leader in hazard mitigation for Michael Baker Jr. Inc.

Chad Berginnis is a recognized national expert in floodplain management and hazard mitigation, having participated on national research / focus groups, providing agency (FEMA, USACE, OMB, CRS, IG, CBO, others) and Congressional testimony, participated in study committees and review panels for the National Academies of Science on floodplain management related topics (urban flooding, actuarial rating of flood risk), was selected to participate on an advisory panel to the Chinese Government on the development of a national floodplain management strategy, and currently serves on two collegiate research center advisory boards. He previously served in various volunteer leadership positions for ASFPM, and as an appointed Planning Commissioner for Licking County Ohio. He holds a Bachelor of Science in natural resources from The Ohio State University.

### Katharine Burgess, AICP, Vice President, Urban Resilience, Urban Land Institute

Katharine Burgess is Vice President of the Urban Land Institute's Urban Resilience Program. Through research, advisory services, convening and outreach, ULI's Urban Resilience program works to leverage ULI's global network to help communities prepare for increased climate risk and make wise investments in infrastructure, development and building design. The program addresses topics including land-use planning, financing models, green infrastructure solutions, preparedness and the support of social and economic networks.

An urban planner with 12 years' experience, Katharine has practiced urban planning in the United States, the United Kingdom, and Germany, with global project work across the United States, Europe, and Asia. She began her career managing post-Katrina hurricane recovery charrettes commissioned by the states of Louisiana and Mississippi and the city of New Orleans. She has since worked on a range of large-scale, mixed-use master planning initiatives designed to encourage pedestrian activity and integrate green infrastructure, including campus plans, downtown revitalization plans, urban extensions and a new town for 10,000 people in Scotland. Katharine's research work has included landscape performance research for the Landscape Architecture Foundation, as well as international urban development research for the Robert Bosch Foundation Fellowship program, during which she completed a work placement at the City of Berlin's Department for Urban Development. She received a BA from Williams College and an MSc in Regional and Urban Planning from the London School of Economics.





**Gerry Galloway, P.E., Ph.D., Glenn L. Martin Institute Professor, University of Maryland / Texas A & M, ASFPM Foundation Fellow**



Gerry Galloway is a Glenn L. Martin Institute Professor of Engineering, Department of Civil and Environmental Engineering and an Affiliate Professor, School of Public Policy, University of Maryland, College Park, Maryland, where his teaching and research focus is on disaster resilience and mitigation, sustainable infrastructure development, and water resources and energy policy and management under climate change.

He currently serves as a consultant to several federal and state and nongovernmental agencies on water resources policy development and flood risk management. A civil engineer, public administrator, soldier, educator, and geographer, he has led and managed large organizations in successfully executing a variety of important activities. He has broad experience in dealing with water management and geospatial issues both within the United States and

internationally.

He holds a Master's degree in Engineering from Princeton; a Master's in Public Administration from Penn State (Capitol Campus), a Master's in Military Art and Science from the US Army Command and General Staff College and a Ph.D. in Geography (Water Resources) from the University of North Carolina (Chapel Hill). He is also a graduate of the Army War College, the Army Command and General Staff College; the Army's Engineer School, and the Ranger and Airborne courses of the Army Infantry School.

He has been a member of thirteen National Academies committees studying complex water resources and geospatial management issues including U.S. ocean research science and technology priorities, river science activities of the US Geological Survey, FEMA Flood Maps and was chair of a National Academies committee studying logistics support for the future US Army. He has lectured and written extensively on the management of water resources and public involvement in water resources decision making.

**David I. Maurstad, Deputy Associate Administrator for Insurance and Mitigation, FEMA HQ**

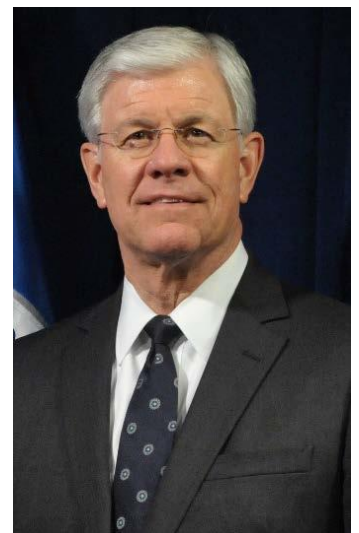
David I. Maurstad serves as the Federal Emergency Management Agency's Deputy Associate Administrator for Insurance and Mitigation. In this role, he leads the delivery of the agency's risk management, mitigation, and flood insurance programs.

Mr. Maurstad is also the chief executive of the National Flood Insurance Program or NFIP, which serves 5 million policyholders across more than 22,000 communities.

He also directs FEMA's National Earthquake Hazards Reduction Program and National Dam Safety Program.

Mr. Maurstad is a veteran of the insurance industry and a seasoned emergency manager. He is a former Administrator of FEMA Region 8 and Assistant Administrator for Federal Insurance.

His commitment to public service extends to the past elected positions of Nebraska Lieutenant Governor, Nebraska State Senator, and Mayor of Beatrice, Nebraska.



## Panel 3: Insurance Perspective

### Matt Chamberlain, FCAS, MAAA, Principal & Consulting Actuary, Milliman



Matt is a principal and consulting actuary with the Property and Casualty practice in Milliman's San Francisco office. He joined the firm in 2011.

Matt's experience is primarily in personal lines property and casualty insurance. His expertise includes:

Developing rating classification plans using generalized linear models.

- Pricing property lines using a type-of-loss (or by peril) analysis.
- Territorial analysis, augmented by the use of third-party data.
- Catastrophe-exposed property ratemaking, especially for the hurricane, tornado/hail, and earthquake perils.
- Development of underwriting rules to manage storm surge risk.
- The use of geological and hydrological data in rating and underwriting for the sinkhole peril.

His past experience has included evaluating existing rating plans and optimizing them subject to business constraints, improving the loss ratio of underperforming books of business, and evaluating companies' competitive position. His specialty is pricing for natural catastrophes and in using advanced analytical techniques for small companies with a limited volume of data.

Prior to joining Milliman, Matt was senior actuary at Geovera Holdings, Inc. Prior to Geovera, he worked for Unitrin Direct and the Massachusetts Workers' Compensation Rating & Inspection Bureau.

Matt has published articles and given presentations about location-level pricing, sinkholes, and improving profitability for smaller insurance companies. He is a Casualty Actuarial Society fellow and a member of American Academy of Actuaries. He holds both Bachelor of Science in Physics and a Bachelor of Arts in Classics from The Ohio State University. He also has a Master's of Science in Physics from Auburn University.

### Roger Grenier, Ph.D., Senior Vice President, AIR Worldwide



Dr. Roger Grenier is Senior Vice President and leader of AIR's Global Resilience Practice. He is responsible for developing AIR's public risk strategy and leading risk reduction and resilience initiatives across the globe.

Roger first joined AIR in 1999 as a research engineer and member of the team that developed the AIR Coastal Flood Model for Great Britain. He went on to other leadership roles within the company including managing the Client Service and Consulting group and AIR's Product Management team responsible for product strategy and innovation.

Prior to his return to AIR in 2018, Roger was director of catastrophe research and development at Liberty Mutual, where he was responsible for developing the Liberty view of catastrophe models and developing techniques to evaluate non-modeled catastrophe risk. Roger began his career in the engineering consulting field, working on a wide array of models for environmental, flood and coastal engineering projects.

Roger received his Ph.D. from North Carolina State University, an M.S. in Civil Engineering from Stanford University, and a B.S. in Civil Engineering from Tufts University.

**Samantha “Sam” Medlock, CFM, ASFPM Foundation Trustee, Managing Director, Willis Towers Watson**

Samantha Medlock heads the North America Capital Science & Policy Practice with Willis Towers Watson, addressing large-scale risk and resilience requirements for clients across corporate, institutional, and public sectors. She has more than twenty years of experience in land use and disaster law, and has testified in Congress and provided expert opinion in complex floodplain litigation. Sam has served numerous roles in government as White House Senior Advisor, land use planner, and floodplain manager. Sam also served as ASFPM’s policy counsel in Washington, DC, for five years before being detailed to the Obama White House. She is a Certified Floodplain Manager, a Juris Doctor graduate with honors of Vermont Law School, and earned a Bachelor of Science summa cum laude from Texas Woman’s University. She serves on the Advisory Committee for the Natural Hazards Center at the University of Colorado-Boulder, contributor to the University of Cambridge Institute for Sustainability Leadership, and is an Adjunct Professor of Law at the Santa Barbara & Ventura Colleges of Law.



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