



## **DRAFT** Schedule-at-a-glance

<b>TUESDAY, APRIL 8</b>	
7:00 – 8:30 am	Breakfast
7:00 – 5:00 pm	Registration Open & Poster Set Up
8:00 – 5:00 pm	Exhibits Open
8:00 – 8:30 am	Welcoming Remarks – <i>Hye Yeong Kwon, CWP Executive Director/CEO</i>
8:30 – 8:45 am	Plenary Speaker – <i>Luis Cruz-Arroyo</i> <i>Acting Associate Deputy Chief for Programs, USDA, NRCS</i>
8:45 – 9:30 am	Plenary Session 1: Island & Coastal Challenges and Solutions Panel <ul style="list-style-type: none"> <li>• <i>Luis Cruz-Arroyo, USDA-NRCS</i></li> <li>• <i>Carmen Guerrero Pérez, EPA Region 2</i></li> <li>• <i>Hilary Lohman, US Virgin Islands Department of Planning &amp; Natural Resources / Division of Coastal Zone Management</i></li> </ul>
9:30 – 10:00 am	Visit Exhibitors & Networking Break with Light Refreshments
10:00 – 11:30 am	Morning Breakout Sessions
11:30 – 12:30 pm	Lunch
1:00 – 2:30 pm	Early Afternoon Breakout Sessions
2:00 – 3:00 pm	Visit Exhibitors & Networking Break with Light Refreshments
3:00 – 4:30 pm	Late Afternoon Breakout Sessions
5:00 – 7:00 pm	Poster Session & Reception with Hors d'oeuvres and Cocktails
7:00 pm	Evening Activities*

<b>WEDNESDAY, APRIL 9</b>	
6:30am	Morning Run with Jessica Krueger (RKK)
7:00 – 8:30 am	Breakfast
7:00 – 5:00 pm	Registration Open
8:00 – 5:00 pm	Exhibits Open
8:00 – 8:30 am	Morning Remarks & Updates – <i>Hye Yeong Kwon, Executive Director/CEO</i>
9:00 – 10:00 am	Morning Breakout Sessions

10:00 – 10:30 am	Visit Exhibitors & Networking Break
10:30 – 11:30 am	Morning Workshop Sessions
11:30 – 12:30 pm	Lunch
12:30 pm	Board Field Trip Buses
12:30 – 4:00 pm	Conference Field Trips – <a href="#">Registration Required</a>
6:00 pm	Evening Activities*

## THURSDAY, APRIL 10

7:00 – 8:30 am	Breakfast
7:00 – 12:00 pm	Registration Open
8:00 – 11:00 am	Last Chance to Visit Exhibitors
8:00 – 8:30 am	Morning Remarks & Announcement of Contest Winners <i>Hye Yeong Kwon, Executive Director/CEO and Karen Titus, Director of Membership</i>
8:30 – 9:30 am	Plenary Session 2: Watershed and Stormwater Innovations and Challenges for Local Communities Panel <ul style="list-style-type: none"> <li>• <i>Edwin Reyes, Guam Coastal Management Program</i></li> <li>• <i>Mario Rodriguez, USDA-NRCS</i></li> <li>• <i>Rachel McKinley, Coral Bay Community Council, US VI</i></li> <li>• <i>Rob Woodman, Ferguson Waterworks</i></li> </ul>
9:30 – 10:00 am	Break
10:00 – 11:30 am	Morning Breakout Sessions
11:30 – 12:30 pm	Lunch
12:30 – 3:00 pm	Early Afternoon Breakout Sessions
By 3:00 pm	Submit Forms to Receive Professional Development Hours (PDHs)

### **\*Notes to attendees**

All costs associated with CWP National Conference evening activities are the responsibility of the attendee.

Please RSVP to evening activities through the Whova app.



**THANK YOU TO OUR SPONSORS!**



# 2025 National Watershed and Stormwater Conference

## **DRAFT** Sessions & Workshops

<b>TUESDAY, APRIL 8</b>
<b>7:00 – 8:30 AM BREAKFAST</b> – <i>Plazoleta</i>
<b>8:00 AM – 5:00 PM EXHIBITS OPEN</b> – <i>Lobby Exhibit Hall</i>
<b>8:00 – 8:30 AM MORNING REMARKS &amp; UPDATES</b> – <i>Preciosa Ballroom</i> <i>Hye Yeong Kwon, Executive Director/CEO</i>
<b>8:30 – 8:45 AM PLENARY SPEAKER</b> <b>WELCOME TO PUERTO RICO</b>
 <p><b>LUIS CRUZ-ARROYO</b> <b>Caribbean Area Director, United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS)</b></p> <p>Luis Cruz-Arroyo is the director for USDA-NRCS in the Caribbean which covers Puerto Rico and the US Virgin Islands where he leads efforts on hurricane recovery, climate resiliency and watershed planning among other conservation initiatives. Luis has been a natural resources conservation practitioner with the Natural Resources Conservation Service (NRCS) since 2010 where he began his career as a soil conservationist in Baldwin County, Alabama. He worked and led local and areawide conservation efforts in different land uses and landscapes such as the Longleaf Forest of the Southern Coastal Plains and the Blackland Prairie in Alabama, the Loess Hills and the Des Moines Lobe in Iowa and the Mountain, Valleys and Coastal Plains of Puerto Rico and the US Virgin Islands. In addition, Luis provided technical services to the Poarch Creek Indian Nation in their conservation initiatives and served as the Alabama StrikeForce coordinator in 2016, where he worked with other USDA agencies to coordinate outreach efforts to target and improve program participation in counties with persistent poverty through the state.</p>

**Island & Coastal Challenges and Solutions**

This panel will explore the unique challenges faced by island and coastal communities, including environmental, economic, and infrastructural issues. The impacts of tourism, wastewater management, coral reef degradation, trash accumulation, and resource limitations will be examined, highlighting how these challenges often intersect and exacerbate one another. Panelists will discuss viable solutions, from sustainable tourism practices to innovative waste management strategies and conservation efforts, aimed at preserving the natural environment while supporting local economies. The role of various organizations, including non-profits, government agencies, and community-led initiatives, will be emphasized, demonstrating the collaborative efforts needed to address these complex issues and create lasting, positive change for coastal and island communities.



**Luis Cruz-Arroyo, Caribbean Area Director, United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS)**

Luis Cruz-Arroyo is the director for USDA-NRCS in the Caribbean which covers Puerto Rico and the US Virgin Islands where he leads efforts on hurricane recovery, climate resiliency and watershed planning among other conservation initiatives. Luis has served as the Acting Associate Deputy Chief for Programs in NHQ assisting with overseeing the development and implementation of policy and procedures for all NRCS programs, coordinating with department and agency leadership to offer consistent interpretation and implementation of congressional and secretarial direction related to appropriations and engaging national partners and stakeholders to reinforce relationships that facilitate robust program execution and efficiencies.



**Carmen Guerrero Pérez, Director of the Caribbean Environmental Protection Division of EPA Region 2**

Carmen Guerrero Pérez is the Director of the Caribbean Environmental Protection Division (CEPD) of the US Environmental Protection Agency’s Region 2, covering Puerto Rico and the US Virgin Islands (USVI). From 2013 to 2016, Carmen served as Secretary of the PR Department of Natural and Environmental Resources. Prior to this cabinet position, Carmen served for more than 17 years as an environmental and conservation planner and consultant to numerous organizations and government entities in Puerto Rico and the Caribbean, among them: Puerto Rico Conservation Trust, San Juan Bay Estuary Program, El Yunque National Forest, ENLACE del Caño Martín Peña, University of Puerto Rico, Banco Popular Foundation, and The Nature Conservancy. Carmen also founded an environmental non-government organization that provided volunteer advisory services to local environmental justice communities across Puerto Rico.



**Hilary Lohmann, Coastal Resilience Coordinator, US Virgin Islands Department of Planning & Natural Resources / Division of Coastal Zone Management**

Hilary Lohmann has worked in small island resilience around the Caribbean for ten years, including the Dominican Republic, Barbados, Belize and the US Virgin Islands. She studied Animal Behavior and Spanish at Bucknell University, received a master’s in marine Affairs from the University of Rhode Island, and completed a Fulbright scholarship with the University of the West Indies. Hilary has been working in the USVI since 2016 and has been the territory’s Coastal Resilience Coordinator since 2019. This includes projects and policy that plan for and respond to impacts of change to the natural and built environment, communities, and systems of the US Virgin Islands from the watershed perspective.

**10:00 – 11:30 AM TUESDAY MORNING BREAKOUT SESSIONS**

	<b>Planning for Watershed Improvement &amp; Restoration</b>	<b>Successful Stakeholder Engagement for Island &amp; Coastal Communities</b>	<b>Urban Watershed Resilience Models</b>	<b>Nature-Based Solutions</b>	<b>Coordination Across Watersheds and Communities</b>
	<b>Location TBD</b>	<b>Location TBD</b>	<b>Location TBD</b>	<b>Location TBD</b>	<b>Location TBD</b>
	Moderator: Bryan Seipp CWP: Beth Uhler	Moderator: Rob Woodman CWP: Amanda Pollack	Moderator: Jacob Dorman CWP: Lisa Fraley-McNeal	Moderator: Ashley Barnett CWP: Kristen Bisom	Moderator: Sydney Hall CWP: Alexandria Wilkins
<b>10:00 AM</b>	<b>Watershed-Scale Planning for Urban Water Quality Improvement: Understanding the Present to Chart the Path for the Future</b>  Thom Epps <i>Craftwater</i>	<b>Engaging Indigenous Coastal Communities Preparing for Climate Change in Maryland</b>  Kayle Krieg <i>UMD Extension – MD Sea Grant</i>	<b>Creative Delivery Models for City-Scale Resiliency</b>  Shandor Szalay <i>Arcadis</i>  Rob Woodman <i>Ferguson Waterworks</i>	<b>Resilient Coastal Communities: Nature-Based Stormwater Management and Living Shorelines</b>  Ellie Chetelat <i>Underwood and Associates</i>	<b>Regional Collaboration to Advance Stormwater and Watershed Management in Southeast New England</b>  Elizabeth Scott <i>Southeast New England Program (SNEP) Network</i>
<b>10:30 AM</b>	<b>Approaches to Restoration Planning Throughout the Chesapeake Bay Watershed</b>  Jessica Seipp <i>Dewberry</i>  Ted Saltos <i>Dewberry</i>	<b>Program Implementation-Stormwater Resilience &amp; Outreach in the U.S. Virgin Islands</b>  Chris Richardson <i>Virgin Islands Conservation Society</i>  Zoe Banfield <i>Virgin Islands Conservation Society</i>	<b>The Iowa Watershed Approach: A Replicable Model for Building Community Resilience</b>  Breanna Shea <i>University of Iowa – Iowa Flood Center</i>	<b>Harnessing Biochar, Mulch, and Native Soils for Stormwater Treatment in Hawaii</b>  Amanda Cording <i>Paul Smith's College</i>	<b>One Water: A Collaborative Approach to Watershed Management</b>  Lenise Marrero <i>Brown and Caldwell</i>
<b>11:00 AM</b>	<b>Woods Creek Watershed Based Plan: Ten Years of Successful Implementation</b>  Michele Zimmerman <i>Village of Algonquin</i>  Brad Andresen <i>Village of Algonquin</i>	<b>Updating CBCC's 2015 Coral Bay Potable Water Supply &amp; Wastewater Treatment Plans</b>  Rachel McKinley <i>Coral Bay Community Council</i>	<b>Transforming Industrial Legacies: Port of Vancouver, USA - A Model of Sustainable Watershed Improvement</b>  Matt Graves <i>Port of Vancouver, USA</i>  Ross Dunning <i>Kennedy/Jenks Consultants, Inc.</i>	<b>Combining Natural and Conventional Infrastructure Solutions to Mitigate Multi-Flood Hazards in Urban Islands</b>  Felix Santiago-Collazo <i>University of Georgia</i>	<b>Building and Sustaining Environmental Networks</b>  Claire Cambardella <i>UMD Extension - MD Sea Grant</i>

**11:30 – 12:30 PM LUNCH – Plazoleta**



**1:00 – 2:30 PM TUESDAY EARLY AFTERNOON BREAKOUT SESSIONS**

	<b>Coastal &amp; Island Water Resources Management I</b>	<b>Empowering Communities for Environmental Benefits</b>	<b>Modeling for Flood Resilience</b>	<b>Illicit Discharge, Detection, and Elimination (IDDE)</b>	<b>MS4 Program Implementation &amp; Management</b>
	<b>Location TBD</b>	<b>Location TBD</b>	<b>Location TBD</b>	<b>Location TBD</b>	<b>Location TBD</b>
	Moderator: Eban Bean CWP: Jordan Fox	Moderator: Carrie Bristoll CWP: Greg Hoffmann	Moderator: Walter Silva CWP: Sami Towsif Khan	Moderator: Andres Torizzo CWP: Kristen Bisom	Moderator: Aaron Roberts CWP: Kaitie Evers
<b>1:00 PM</b>	<b>Carraízo Reservoir Sediment Management Study: Securing Water Supply Reliability for the San Juan Metropolitan System</b>  William Weiss <i>Hazen and Sawyer</i>	<b>Empowering Citizens as Watershed Advocates: A Citizen/Government/Academic Partnership</b>  Sarah Erwin <i>Utah State University Extension</i>	<b>PCSWMM 2D Flood Resiliency Analysis of a Tidally Impacted Urban Community</b>  Kristianne Sandoval Lucy Noya <i>RK&amp;K</i>	<b>Automated Detection of Transient Illicit Discharges Using IoT Sensors</b>  Elizabeth Fassman-Beck <i>Southern California Coastal Water Research Project (SCCWRP)</i>	<b>Adapting Stormwater Compliance to a Changing Climate: Lessons from NPDES MS4, CGP and MSGP Implementation in Tropical Watersheds</b>  Hanna Rodríguez <i>IEMES, PSC</i>
<b>1:30 PM</b>	<b>Water Replenishment in Eastern Puerto Rico: Humacao and Guayanés watersheds</b>  Angélica Erazo-Oliveras <i>The Nature Conservancy</i>	<b>Building the Foundation for Successful Green Infrastructure Implementation in Environmental Justice Communities</b>  Kate Grantham <i>Southeast Michigan Council of Governments (SEMCOG)</i>  Greg Hoffmann <i>CWP</i>	<b>(Pending) Engaging Communities in Ground-truthing Flood Models: A Participatory Approach to Enhancing Flood Inundation Mapping (FIM)</b>  Dr. Luisa Feliciano-Cruz Gerardo Trossi Victoria Vega Zapata <i>University of Puerto Rico Mayaguez</i>	<b>Looking for a New Approach on Resident Illicit Sanitary Connections</b>  Mary Polacek <i>DC Department of Energy &amp; Environment (DOEE)</i>	<b>Streamlining Stormwater Management: How Chattanooga Achieved ROI with Digital Workflows</b>  Mitch Underwood Bailee Lessenberry <i>City of Chattanooga</i>  Lance Miller <i>2<sup>nd</sup> Nature Water</i>
<b>2:00 PM</b>	<b>Native Plant Marketing Campaign in PR</b>  Linda Barfield <i>Fairfax County Government Stormwater Planning Division</i>	<b>Restoration and Empowerment through Rebates: Highlighting Successes and Addressing Barriers in the Prince George's County Rain Check Rebate Program</b>  Megan Andreasen <i>Chesapeake Bay Trust</i>	<b>Enhancing Environmental Protection and Flood Resilience: HEC-RAS Modeling at the Mattawoman WWTP</b>  Jessica Krueger Kaitlyn Morrow <i>RK&amp;K</i>	<b>How to Turn E. coli Data into an Illicit Discharge Investigation</b>  Mary Polacek <i>DC Department of Energy &amp; Environment (DOEE)</i>	<b>Reducing Stress with MS4 Recordkeeping</b>  Emily Myers <i>Christopher B. Burke Engineering, LLC (CBBEL)</i>

**2:30 – 3:00 PM VISIT EXHIBITORS & NETWORKING BREAK – Palmar Foyer**

### 3:00 – 4:30 PM TUESDAY LATE AFTERNOON BREAKOUT SESSIONS

	Coastal & Island Water Resources Management II	Enhancing Citizen Connections to Water Resources	Addressing Climate Challenges at the Watershed Scale	Stormwater Management	Cost-Effective Program Success
	Location TBD	Location TBD	Location TBD	Location TBD	Location TBD
	Moderator: Hye Yeong Kwon CWP: Lisa Fraley-McNeal	Moderator: Chris Bogdan CWP: Kaitie Evers	Moderator: Bob Bathurst CWP: Adrienne Cizek	Moderator: Bryan Seipp CWP: Emily Trethewey	Moderator: Rob Woodman CWP: Carol Wong
<b>3:00 PM</b>	<b>In-depth look at Water Resource Management in Puerto Rico and the US Virgin Islands.</b>  Dianivette Rolón Cruz Giovannie Echevarria Feliciano Mairinete López Santiago <i>University of Puerto Rico-Medical Sciences Campus</i>	<b>Building Capacity and Catalyzing Behavior Change with U.S. Virgin Islands (USVI) Schools and the Wider Community to Create a Healthier and More Resilient Community</b>  Zoe Banfield <i>Virgin Islands Conservation Society</i>	<b>Exelon/BGE'S "Cloud Based" Stormwater Solution to Climate Change</b>  Robert Bathurst <i>Century Engineering, A Kleinfelder Company</i>	<b>Load Bearing Modules for Water Quality and Volume: Research and Case Studies</b>  Albert Key <i>DeepRoot Green Infrastructure, LLC</i>	<b>Conquering Troy Hill via Public-Private-Partnerships (P3s)</b>  Viktor Hlas <i>OptiRTC Inc.</i>
<b>3:30 PM</b>	<b>Innovative Strategies for Watershed Restoration: Dorothea Watershed Management Plan, St. Thomas, USVI</b>  Andres Torizzo <i>Watershed Consulting</i>	<b>Coral Bay Community Council's 'Stormwater Structure Toolkit' for Residents</b>  Maya Craig <i>Coral Bay Community Council</i>	<b>Implementing Watershed-Wide Climate Solutions with the Charles River Climate Compact</b>  Dira Johanif Julie Wood <i>Charles River Watershed Association (CRWA)</i>	<b>Using PAM For Sediment and Runoff Control During Construction</b>  Eddie Snell <i>Applied Polymer Systems, Inc.</i>	<b>A Georgia Co-Funding Success Story</b>  Stacey Berahzer <i>IB Environmental</i>
<b>4:00 PM</b>	<b>Collaborations for Stormwater Improvements in the USVI</b>  Hilary Lohmann <i>USVI Department of Planning &amp; Natural Resources (DPNR)</i>	<b>Neighborhood access and custodianship of Baltimore's urban waterways</b>  Samia Kirchner Ebram Victoria Ferman Moody <i>Morgan State University</i>	<b>Synergizing Green Infrastructure and Buildings to Enhance Urban Resilience to Climate Challenges</b>  Alex Nwosu <i>Morgan State University</i>	<b>Resilient Urban Stormwater Runoff Control</b>  Mark B. Joersz <i>Advanced Drainage Systems, Inc.</i>	<b>Green Infrastructure for MS4 Communities-Reducing Costs and Improving Installation</b>  Amy Foster <i>City of Coralville</i>
<b>4:30 PM END OF TUESDAY SESSIONS</b>					



**5:00 – 7:00 PM POSTER SESSION & RECEPTION WITH HORS D'OEUVRES AND COCKTAILS**

*Palmar Ballroom and Boardwalk/Pool Area (will move inside if inclement weather)*

**Determining Flow Rates and Flow Sources in Pipes Using Temperature Data**

*by Walter McDonald, Marquette University*

**Breaking Boundaries to Combat Invasive Species: A Partnership Using Virtual Fencing to Target Graze Phragmites**

*by Ashley Longmore, Utah State University*

**Baltimore BLUE-CORE – BLUEspace Collaborative Research for Urban Coastal Access and Climate in South Baltimore**

*by Ebram Victoria, Morgan State University*

**Empowering Citizens as Watershed Advocates: A Citizen/Government/Academic Partnership**

*by Sarah Erwin, Utah State University Extension*

**Native Plant Marketing Campaign in PR**

*By Linda Barfield, Fairfax County*

**Playing to Win: Engaging Local Leaders with a Serious Game to Foster Successful Programs Through Increased Watershed Literacy and Collaboration**

*by Maggie Karschnia*

**Community-Based Effort to Address Phosphorus Levels in Matt Warner Reservoir**

*by Cheyenne Reid, Utah State University*

**7:00 PM OPTIONAL TUESDAY EVENING ACTIVITIES\***

- 1. Explore Piñones:** Just a few miles from Royal Sonesta in the beach front neighborhood of Piñones, indulge in the Puerto Rican dining experience of [chinchorro](#). Sample delicious specialties while you hop from food stand to food stand and enjoy the beach.
- 2. Game Night** – *Timing and Location TBD*

*\* Attendees will be responsible for all costs associated with evening activities. \**

## WEDNESDAY, APRIL 9

### 6:30am – Start Your Day with a Morning Run for Energy and Focus! – Hotel Lobby

Join CWP member Jessica Krueger (RKK) on a 2-3 mile run Wednesday morning. This is a no-drop pace. Nobody needs to go fast, and we can all run as a group! You can rsvp to Jessica through the Whova app. Meet in the hotel lobby.

### 7:00 – 8:30 AM BREAKFAST – Plazoleta

### 8:00 – 5:00 AM VISIT EXHIBITORS AND GET YOUR PASSPORT STAMPED! – Lobby Exhibit Hall

### 8:00 – 8:15 AM MORNING REMARKS & UPDATES – Preciosa Ballroom Hye Yeong Kwon, Executive Director/CEO

### 8:15 – 8:30 AM TRANSITION TO BREAKOUT SESSIONS

### 8:30 – 10:00 AM WEDNESDAY MORNING BREAKOUT SESSIONS & WORKSHOPS

	Economic Analyses and Valuation for the Environment I	Community Behavior Change Techniques	Climate Change & Watershed Management	Stormwater Program & Project Implementation: Failure to Success	MS4 Collaboration and Roundtable Discussion
	Location TBD	Location TBD	Location TBD	Location TBD	Location TBD
	Moderator: Jessica Seipp CWP: Adrienne Cizek	Moderator: Hye Yeong Kwon CWP: Emily Trethewey	Moderator: Chris Bogdan CWP: Sami Towsif Khan	Moderator: Bob Bathurst CWP: Greg Hoffmann	Moderator: Beth Uhler CWP: Alexandria Wilkins
8:30 AM	<b>Introduction to Economic Analyses and Valuation</b>  <i>Description:</i> This introductory module covers key economic concepts, including benefit-cost analysis, economic impact analysis, cost-effectiveness analysis, and benefit valuation methods. Participants will learn how to identify the most appropriate economic approach and gather necessary data.	<b>Successful Methods for Culture Change Amongst Non-Technical Audiences</b>  <i>Description:</i> This presentation outlines innovative approaches to engaging non-technical audiences in stormwater management practices. It emphasizes culture change through adaptive strategies, performance metrics, and personalized incentives and demonstrates how these methods help non-technical audiences understand, adopt, and sustain stormwater management practices.	<b>Establishment of a Heat Safety Protocol for Conducting Urban Stream Assessments</b>  Alicia Ritzenthaler <i>DC Department of Energy and the Environment (DOEE)</i>	<b>Stormwater Control Measure Performance Verification Programs – Successes and Challenges</b>  Vaikko Allen <i>Contech Engineered Solutions</i>	<b>Intergovernmental MS4 Collaboration: A Pennsylvania Toolkit</b>  Beth Uhler, CWP Alexandria Wilkins, CWP
9:00 AM	<b>Presenters:</b> Nataly Medina <i>NOAA Office of Coastal Management</i>	<b>Presenters:</b> Alnisha Minter-Harris Amy Morgan Orpheus Williams Jr. <i>District of Columbia Department of Energy and the Environment (DOEE)</i>	<b>Addressing Climate Change with Higher Standards for Better Watershed Management</b> <i>Description:</i> Protecting critical infrastructure can be as simple as considering adopting higher standards for areas that should have a higher level of protection. Learn how several communities in Ohio have either considered or adopted higher standards for critical areas of concern. Learn how several communities worked with their residents and leadership to effectively communicate what higher standards can accomplish.	<b>From Audit Failure to Compliance Success: How the City of Bloomington, Indiana, Turned Around its Stormwater Program</b>  Elizabeth Carter <i>City of Bloomington, Indiana</i>  Catherine Riihimaki <i>2NDNATURE Software Inc.</i>	<b>Roundtable: MS4 Collaboration</b> <i>Description:</i> A discussion of the benefits and challenges experienced by those working collaboratively across intergovernmental or other boundaries to achieve their MS4 goals. The conversation will focus on sharing lessons learned and stories of both successes and failures that audience members can relate to and learn from. We encourage the audience to come prepared to participate as these roundtable sessions are designed to incorporate audience and panelist discussion.
9:30 AM			<b>Presenters:</b> Kari Mackenbach <i>MS Consultants Inc.</i>	<b>Why Can't I Replicate This Successful Project?</b>  Josh Burch <i>DC Department of Energy and the Environment (DOEE)</i>	

### 10:00 – 10:30 AM VISIT EXHIBITORS & NETWORKING BREAK – Lobby Exhibit Hall

**10:30 – 11:30 AM WEDNESDAY LATE MORNING BREAKOUT SESSIONS**

	<b>Stream Restoration Techniques</b>	<b>Post-Disaster: Rebuilding with Resilience</b>	<b>Agriculture for Watershed Health</b>	<b>Managing Harmful Algal Blooms</b>	<b>MS4 Collaboration</b>
	<b>Location TBD</b>	<b>Location TBD</b>	<b>Location TBD</b>	<b>Location TBD</b>	<b>Location TBD</b>
	Moderator: Walter Silva CWP: Carol Wong	Moderator: Catherine Riihimaki CWP: Amanda Pollack	Moderator: Bill Hubbard CWP: Kristen Bisom	Moderator: Linda Barfield CWP: Kaitie Evers	Moderator: Aaron Roberts CWP: Jordan Fox
<b>10:30 AM</b>	<p><b>To Pump or Not to Pump: Is Construction in a Diverted Stream Better for Turbidity and Sediment Load?</b></p> <p>Carol Wong, <i>CWP</i> Bryan Seipp <i>Ecosystem Planning and Restoration (EPR)</i></p>	<p><b>Lahaina Post-Wildfire BMP Implementation and Lessons Learned</b></p> <p>Yvana Hrovat <i>Haley and Aldrich, Inc.</i></p>	<p><b>The Disconnect Between Island Farmers and Their Watershed</b></p> <p>Kevin Shockey <i>Ahora Inc.</i></p>	<p><b>Source Water Protection and Management: Comprehensive HAB Mitigation</b></p> <p>Elizabeth Crafton <i>Hazen and Sawyer</i></p>	<p><b>LRGV Stormwater Taskforce: A success story of 33 local governments Sharing One Watershed-Based Storm Water Management Program</b></p> <p>Augusto Sánchez González Javier Guerrero <i>Lower Rio Grande Valley Stormwater Task Force</i></p>
<b>11:00 AM</b>	<p><b>Working with Land Managers to Restore Degraded Channels using Regenerative Stormwater Conveyance</b></p> <p>Carrie Bristoll-Groll <i>Aqualis</i> Adrienne Cizek, <i>CWP</i></p>	<p><b>Cedar Key ShORES: Dynamics of and Retrofits for a Coastal Stormwater System Affected by Compound Flooding and Extreme Events</b></p> <p>Eban Bean <i>University of Florida</i></p>	<p><b>Changing Agricultural Practices to Reduce Erosion and Runoff</b></p> <p>Laura Martin <i>ERG</i></p>	<p><b>HAB a Great Summer!: Comprehensive Solutions to Address Algal Blooms in a State Recreational Lake</b></p> <p>Christina Hughes <i>Ramboll</i></p>	<p><b>Everything is Bigger in Texas - Even the MS4 Coalitions</b></p> <p>Camila Biaggi <i>Quiddity Engineering LLC</i></p>

**LUNCH 11:30 – 12:30 PM – Plazoleta**

**@ 12:30PM BOARD FIELD TRIP BUSES – Location TBD**

**12:30 – 4:00 PM FIELD TRIPS – [REGISTRATION REQUIRED](#)**

**6:00 PM OPTIONAL WEDNESDAY EVENING ACTIVITIES\***

- 1. Brewery Tour – Timing and Itinerary TBD**
- 2. Explore Old Town San Juan – Timing and Itinerary TBD**
- 3. Let's Get Some Steps In! Evening Beach Stroll – Timing and Itinerary TBD**

\* Attendees will be responsible for all costs associated with evening activities. \*

**7:00 – 8:30 AM BREAKFAST – *Plazoleta***

**8:00 – 11:00 AM LAST CHANCE TO VISIT EXHIBITORS – *Lobby Exhibit Hall***

**8:00 – 8:30 AM MORNING REMARKS & ANNOUNCEMENT OF CONTEST WINNERS – *Preciosa Ballroom***  
*Hye Yeong Kwon, CWP Executive Director/CEO and Karen Titus, Director of Membership & Training*

**8:30 – 9:30 AM PLENARY SESSION 2 – *Preciosa Ballroom***

### **Watershed and Stormwater Innovations and Challenges for Local Communities**

This session will focus on the most pressing challenges facing local communities, particularly in managing watersheds and stormwater systems. Panelists will discuss innovative solutions they've implemented to address issues such as flooding, water quality, and infrastructure resilience. They will also explore how shifts in federal policies or administration priorities influence local efforts, from funding opportunities to regulatory changes. The conversation will offer participants valuable insights into the critical role of watersheds and stormwater management in sustaining healthy ecosystems and communities. Attendees will leave with a deeper understanding of how even small, localized actions can have a significant impact on broader water conservation and stormwater management strategies.



**Edwin Reyes, Administrator, Guam Coastal Management Program, Bureau of Statistics and Plans**

Edwin Reyes serves as the Administrator for the Guam Coastal Management Program (GCMP), a division within the Bureau of Statistics and Plans, under the Office of the Governor. The GCMP oversees land-use and natural resource planning for the Bureau, with a mission to promote responsible and balanced use of Guam's coastal resources. This is achieved through improved management and policy systems, optimized planning, and enhanced government services. Prior to his role at GCMP, Mr. Reyes managed federal funds for the Office of Sponsored Programs at the University of Guam. This included overseeing multiple awards from esteemed organizations such as the Office of Naval Research, Department of Interior, National Science Foundation, National Oceanic and Atmospheric Administration, and the Department of Defense. His earlier experience encompasses policy work and committee assignments within the Guam Legislature and prior Governor's offices. Mr. Reyes holds a MBA and is a certified construction project manager and grants specialist.

Photo  
Coming  
Soon

**Mario Rodriguez, Senior Technical Lead for Ecological Sciences Division, USDA-NRCS**

Mario Rodríguez is the Senior Technical Lead for Ecological Sciences Division at the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), with over 18 years of experience in conservation and sustainable agriculture. Born in Mayagüez, Puerto Rico, he holds a Bachelor of Science in Agricultural Sciences with a major in Agronomy and Soils from the University of Puerto Rico, Mayagüez Campus. Throughout his career, Mario has served in various leadership roles, including State Resource Conservationist and State Conservation Agronomist for the Caribbean Area. Starting his career 18 years ago as a Soil Conservation Technician in Bottineau, ND, and working full-time and as a detailee in several States such North Dakota, Montana, and Massachusetts. He has built his expertise

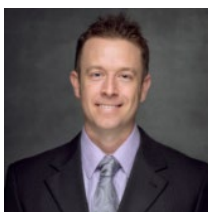
in integrating agricultural, ecological, and cultural concerns into conservation programs, developing innovative technologies, and guiding policy compliance with federal and local regulations. Mario leads a multidisciplinary team of specialists, providing technical assistance, training, and professional development for conservation planners. He is also passionate about fostering sustainable land management practices and strengthening partnerships to address environmental challenges.



**Rachel McKinley, Environmental Projects Manager, Coral Bay Community Council, US VI**

Rachel McKinley is the Environmental Projects Manager for the Coral Bay Community Council (CBCC), a nonprofit community-based organization that acts as the watershed management agency for the remote area of Coral Bay, St. John, United States Virgin Islands. Rachel enjoys working with her rural community to protect the environment, public health, and infrastructure while surmounting the challenges and frustrations of "paradise." She promotes best watershed management practices through scientific research and implementing realistic, sustainable, resilient and cooperative solutions to improve access and water quality and quantity, not only for the now, but for the future. Her work includes solutions that also focus on coastal resilience to support the community's understanding and choices to address climate change. Prior to CBCC, Rachel has worked on a variety of projects in the geologic consulting and tourism fields including

natural gas and oil, mining, geophysical and environmental research and monitoring, and resorts and campgrounds management. She holds a Bachelor of Science degree in Geological Sciences from the University of Missouri-Columbia and a Post-Baccalaureate Certificate in Geographic Information Systems from Penn State.



**Rob Woodman, Director – Engineering and GSI, Ferguson Waterworks**

Rob graduated in Civil Engineering in Australia. He spent the first 10 years as project engineer in private consulting, gaining experience and expanding his knowledge on a wide variety of civil and stormwater engineering projects for both private and public sector clients throughout New England. In 2014 Rob took an opportunity to leverage his expertise in innovative stormwater and green infrastructure systems and transitioned from consulting to the solution and innovation side of the industry. Rob now serves Ferguson Enterprises as the Director of Engineering and GSI supporting engineers, landscape architects, developers and municipalities on large scale site development and city scale GSI. He is a Registered Professional Engineer in Maine and Pennsylvania, NGICP certified, a Certified Professional in Erosion and Sedimentation

Control, Maine DEP Certified Stormwater Inspector, an ASCE member, and entrepreneur. Rob lives in Gorham, Maine with his wife and four kids.

**9:30 – 10:00 AM VISIT EXHIBITORS & NETWORKING BREAK**

**10:00 – 11:30 AM THURSDAY LATE MORNING BREAKOUT SESSIONS**

	<b>Watershed Management Impacts on Health</b>	<b>Collaboration Solutions for Stormwater Applications</b>	<b>Innovations for Flood Planning &amp; Resilience</b>	<b>MS4 Program Implementation Tips and Tools</b>	<b>Stormwater Funding Strategies</b>
	<b>Location TBD</b>	<b>Location TBD</b>	<b>Location TBD</b>	<b>Location TBD</b>	<b>Location TBD</b>
	Moderator: Linda Barfield CWP: Jordan Fox	Moderator: Catherine Riihimaki CWP: Alexandria Wilkins	Moderator: Bill Hubbard CWP: Sami Towsif Khan	Moderator: Aaron Roberts CWP: Kristen Bisom	Moderator: Amanda Pollack CWP: Emily Trethewey
<b>10:00 AM</b>	<p><b>Assessing Heat Vulnerability Across the Southern Hydrological Region of Puerto Rico Combining Earth Observing Data and Social Determinants of Health</b></p> <p>Laura T. Cabrera-Rivera <i>University of Puerto Rico- Medical Sciences Campus</i></p>	<p><b>The Role of Regions: Advancing Watershed Management and Collaborative Solutions</b></p> <p>Bailee Pasienza <i>Southeast Michigan Council of Governments (SEMCOG)</i></p>	<p><b>Operationalizing NOAA's Flood Inundation Mapping (FIMs) in Maryland Through A Social Science Approach</b></p> <p>Erin Crowley-Champoux <i>UMD Extension - MD Sea Grant</i></p>	<p><b>Measuring Runoff Water Quality Improvement from Street Sweeping</b></p> <p>Elizabeth Fassman-Beck <i>Southern California Coastal Water Research Project (SCCWRP)</i></p>	<p><b>Green Infrastructure: What's Green Got to Do with It?</b></p> <p>Chris Bogdan <i>Ferguson Waterworks</i></p>
<b>10:30 AM</b>	<p><b>Protecting Human Health: Tackling Bacteria Through a Risk-Based Lens</b></p> <p>Brianna Datti <i>Craftwater</i></p> <p>Dawn Petschauer <i>City of Pasadena</i></p>	<p><b>Making the Dream Work: Examples of How Teamwork between Agency and Industry Improved Stormwater Control Measure Utilization</b></p> <p>Jacob Dorman <i>Contech Engineered Solutions</i></p>	<p><b>From Planning to Construction: A Phased Approach to Flood Mitigation for the Lake Bradford/Chubb Lake Basin</b></p> <p>Rachel Friend <i>RK&amp;K</i></p>	<p><b>The Future of Trash Capture is Now</b></p> <p>Greg Williams <i>StormTrap</i></p>	<p><b>Roundtable: Collaborative Funding and Engagement Strategies for Water Resources Management</b> <i>Description:</i> A discussion focused on the collaborative efforts, opportunities, and ideas on and around funding and engagement strategies for work in the water resources management field. This is a broad topic that will discuss funding strategies for green infrastructure, equitable investment in stormwater projects, and the role of engagement, collaboration, and adaptive management as a part of this work. We encourage the audience to come prepared to participate as these roundtable sessions are designed to incorporate audience and panelist discussion.</p>
<b>11:00 AM</b>	<p><b>Data to Decisions: Adaptive Watershed Management to Improve Environmental &amp; Public Health in Bluffton, SC</b></p> <p>Kim Washok-Jones Mark Maxwell <i>Town of Bluffton</i></p>	<p><b>Stop, Collaborate, and Listen: A Case Study on Balancing Varied Interests in Green Stormwater Design</b></p> <p>Brian Jacko Michaela Becker <i>Philadelphia Water Department</i></p>	<p><b>Collaborative Resilience: Community-Driven Solutions to Flood Challenges and a Replicable Model</b></p> <p>Kate Giannini <i>University of Iowa; IIHR-Hydroscience and Engineering; Iowa Flood Center</i></p>	<p><b>Collaborating to Reduce Floatable Litter in City of Fort Worth Waterways</b></p> <p>Heather Berryman <i>City of Fort Worth</i></p>	<p><b>Presenters:</b> Stacey Berahzer, <i>IB Environmental</i> Carrie Decker, <i>MD DNR</i></p>

**LUNCH 11:30 – 12:30 PM – Plazoleta**

**12:30 – 3:00 PM THURSDAY AFTERNOON WORKSHOPS & BREAKOUT SESSIONS**

	<b>Economic Analyses and Valuation for the Environment II</b>	<b>Workforce Development</b>	<b>Evaluating Water Quality Impacts</b>	<b>Advanced Technology for Stormwater Management</b>	<b>Considerations for Stormwater Control Measures</b>
	<b>Location TBD</b>	<b>Location TBD</b>	<b>Location TBD</b>	<b>Location TBD</b>	<b>Location TBD</b>
	Moderator: Luke Matteson CWP: Beth Uhler	Moderator: Hye Yeong Kwon CWP: Kaitie Evers	Moderator: Sydney Hall CWP: Lisa Fraley-McNeal	Moderator: Bob Bathurst CWP: Greg Hoffmann	Moderator: Jessica Seipp CWP: Adrienne Cizek
<b>12:30 PM</b>	<b>A Conservation Approach to Stormwater Funding</b>  Luke Matteson <i>StormTrap</i>	<b>Making "Cents" of Green Infrastructure in Pinellas County Presentation</b>  Jeffrey P. Gellermann Eban Bean <i>University of Florida/IFAS</i>	<b>Investigating Local Sources and Environmental Stressors Driving Elevated Conductivity and Poor Aquatic Life Conditions in Urban Streams</b>  Alicia Ritzenthaler <i>DOEE</i>	<b>Addressing Challenges to Real-Time Control in Urban Stormwater Management: Advancing Smarter, Resilient Infrastructure</b>  Kathy Gee <i>OptiRTC, Inc.</i>	<b>When Do Innovative Practices Make Sense?</b>  Rob Woodman <i>Ferguson Waterworks</i>
<b>1:00 PM</b>	<b>Mapping Affordability: Visualizing Pockets of Poverty to Guide Investment</b>  Stacey Berahzer <i>IB Environmental</i>	<b>Florida Training Academy for Future Storm Water Managers</b>  Stephen Douglas Robinson <i>University of Florida-IFAS-Pinellas</i>	<b>Spatiotemporal and Climatic Impacts on Fecal Contamination in Subtropical Coastal Watersheds: Innovative qPCR RatMT Markers for Rodent and Neglected Tropical Disease Detection</b>  Dr Ronell Bridgemohan <i>Southern Methodist University (SMU)</i>	<b>A Multi-Metric, Data-Driven Index to Evaluate BMP Water Quality and Hydrologic Mitigation Performance</b>  Elizabeth Fassman-Beck <i>Southern California Coastal Water Research Project (SCCWRP)</i>	<b>Permeable and Porous Surfaces; Unicorns or a Complex Solution in Disguise?</b>  Chris Bogdan <i>Ferguson Waterworks</i>
<b>1:30 PM</b>	<b>15 MINUTE TRANSITION BREAK</b>				
<b>1:45 PM</b>	<b>Pathways to Valuing Ecosystem Services</b>  <i>Description:</i> In this module, we provide an overview of three common methods to estimate the value of ecosystem services: site-specific studies, benefits transfer, and tools with built-in benefits. It also highlights relevant tools, such as BlueValue and the FEMA Benefit-Cost Analysis Toolkit.	<b>Playing to Win: Engaging Local Leaders with a Serious Game to Foster Successful Programs Through Increased Watershed Literacy and Collaboration</b>  <i>Description:</i> Learn to facilitate critical conversations around community resilience and land use planning using a fun, interactive tool that is used in 24 states to help foster successful programming: The Watershed Game  <b>Presenters:</b> Maggie Karschnia Cindy Hagley <i>University of Minnesota Water Resources Center &amp; Minnesota Sea Grant</i>	<b>More Resilient than We Think? Saline Runoff and Urban Trees</b>  Hannah Brown <i>University of Montréal</i>	<b>Long-Term Deployment of Ammonium Ion-Selective Electrode for UK Environment Act: Section 82 Compliance Monitoring of Sewer Overflows</b>  Ivan Victoria <i>Xylem</i>	<b>What's Really in Your Bioretention System? A Survey of Specification Compliance and Impacts of Media QAQC</b>  Craig Fairbaugh <i>Contech</i>
<b>2:15 PM</b>	<b>10 MINUTE TRANSITION BREAK</b>				
<b>2:25 PM</b>	<b>Presenters:</b> Nataly Medina <i>NOAA Office of Coastal Management</i>		<b>Evaluating Wastewater Management Strategies to Mitigate Soil and Water Resource Degradation in Rural Terre Haute, Indiana</b>  Abi N. Giglou <i>Indiana State University</i>	<b>Inspection of Stormwater Infrastructure with Satellite Data and Machine Learning</b>  Walter McDonald <i>Marquette University</i>	<b>What Considerations Should be Made Prior to Dredging a Permitted Stormwater Pond?</b>  Stephen Douglas Robinson <i>University of Florida-IFAS-Pinellas</i>
	<b>3:00 PM END OF CONFERENCE</b>				
	<b>BY 3:00 PM SUBMIT FORMS TO RECEIVE PROFESSIONAL DEVELOPMENT HOURS (PDH) – Registration Table</b> <i>We will not be able to accept forms after April 10<sup>th</sup>.</i>				