

STORMWATER SUMMIT 2021

A Virtual Event

JUNE 22-23

Stormwater Summit 2021: A Virtual Event

Technical Program
(Updated April 2, 2021)

Virtual Event
June 22-23, 2021

Workshops
June 21 & June 24

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General Virtual Event Information

The Stormwater Summit 2021 Virtual Event will be held online on an interactive platform where you'll gain access to five Technical Sessions as well as a Technology Spotlight, Company Demos and Networking Opportunities. Technical Sessions will be presented in two ways: Live and Simulated-live (or simu-live) to encourage the most interaction and engagement between speakers and registrants.

Live sessions will take you to a Zoom meeting where the speakers and moderators are giving their presentations on screen in real time while you watch. There will be one session each day hosted live on Zoom.

Simu-live sessions will be pre-recorded complete with moderator interaction and questions and the recordings will be played for you at a certain time and date during the virtual event. Speakers will be present at that time to answer any questions asked by our audience live via chat.

Pre-and-Post-Conference Workshops

(Additional fees apply)

Workshop A: Transforming Stormwater Infrastructure: Investing in Green for Scale and Impact

Monday, June 21, 2021, 1:00 – 4:00 PM Eastern – Live

Coordinator: Caroline Koch, WaterNow Alliance

Facing crumbling infrastructure, growing regulatory requirements, a rapidly changing climate and shifting population patterns, cities, towns and utilities nationwide are increasingly turning to green stormwater infrastructure (GSI) solutions to complement their grey infrastructure. Innovative GSI distributed across communities helps to meet local water quality and flood management goals, treating pollutants, capturing stormwater and allowing it to soak into the ground or evaporate instead of entering sewers and contributing to overflows or basement backups—often more affordably and faster than centralized infrastructure. Despite these benefits, utilities struggle to scale up investments in decentralized GSI strategies, which are typically funded out of limited operating budgets or one-time grants.

Through a highly interactive World Café workshop, this session will explore new opportunities to finance localized GSI on both public and private properties and highlight communities that are at the forefront of this transformation. Featuring policy, finance, and accounting experts as well as utility GSI practitioners, WaterNow's workshop will: (1) expand participants' understanding of GSI and how GSI investments can be capitalized alongside more conventional systems, (2) arm participants with the resources they need to scale their communities' investments in sustainable, climate resilient stormwater management strategies, and (3) demonstrate how distributed GSI installed across a community can help meet communities' goals to achieve a more equitable water system and provide multiple benefits to neighborhoods, including those that have been historically underserved.

Workshop B: Building Resilience to Climate Change Through Stormwater Management

Thursday, June 24, 2021, 1:00 – 4:00 PM Eastern – Live

Coordinator: Linda Reid, Water 365, LLC

In the future, more frequent and heavy precipitation events resulting from climate change are predicted to exacerbate stormwater problems like flooding, pollution, and erosion in many parts of the country. Stormwater professionals will need to expand their organizations' climate resilience knowledge and competencies in response.

In this session we'll discuss concepts and core competencies needed for climate change adaptation and resilience in the stormwater space. Workshop participants will discuss the particular challenges they face (e.g., administrative, stakeholder engagement, funding, etc.), and will engage in activities to familiarize themselves with key planning tools for responding to those challenges.

We'll share examples about climate resilience planning efforts undertaken by organizations in a number of communities from the perspectives of a stormwater engineer, elected official, environmental nonprofit partner, and climate adaptation specialist, and we'll help workshop participants outline a plan of action for launching climate resilience efforts in their own communities.

Virtual Event – Tuesday, June 22, 2021

Opening General Session

Tuesday, June 22, 2021, 11:00 AM - 12:30 PM Eastern – Live on Zoom

- 11:00 AM** **Welcome and Introduction from the Summit Co-chairs**
Mark Doneux, Capitol Region Watershed District, Nancy Ellwood, CDM Smith
- 11:10 AM** **The Clean Watersheds Needs Survey and Stormwater Needs**
Elisabeth Schlaudt, Josh Klein, Environmental Protection Agency
- 11:40 AM** **WEF 2020 National MS4 Needs Assessment Survey Overview and Results**
Rebecca Arvin-Colon, Water Environment Federation
- 12:05 PM** **Green Infrastructure in Municipal Separate Storm Sewer Systems**
Matt King, Robyn Deyoung, U.S. EPA

Session 01: Harnessing Innovations in GSI Funding & Financing

Tuesday, June 22, 2021, 1:30 - 2:30 PM Eastern – Simu-live

Coordinator: Caroline Koch, WaterNow Alliance

Jeff Odefey, American Rivers, Janet Clements, Corona Environmental Consulting, Shanon Viars, American Rivers

Many municipalities have recognized the need to better control stormwater as a way to improve local water quality and reduce damaging, localized flooding challenges. Local governments across the country have pioneered green infrastructure solutions to reduce stormwater impacts, while providing multiple benefits to residents and businesses alike. Civic leaders would like to do more, but are often hamstrung by insufficient budgets and lack of access to creative investment solutions. Stormwater credit trading and targeted municipal borrowing are innovative, effective approaches for accelerating investment in green infrastructure. Particularly when coupled with other incentive programs, these approaches often increase private sector participation in municipal green infrastructure programs. Locating stormwater solutions on private property and engaging private capital can help communities deploy green infrastructure at a scale that broadens public benefits.

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Session 02: Improving Community Well-Being: Getting the Most out of Stormwater Investments

Tuesday, June 22, 2021, 3:00 PM - 4:00 PM Eastern – Simu-live

3:00 PM Evaluation of Green Infrastructure Co-benefits Across Various Regions in the United States

William Rainey, CDM Smith; Melissa McHale, Colorado State University

3:20 PM Chicago Public Schools Space to Grow — A Multi-Agency Program to Provide Places to Play AND improve Stormwater Management

Thomas Price, Environmental Consulting & Technology, Inc.

3:40 PM Getting the Most Good out of Green Infrastructure: Advancing Equity through Project Selection, Benefits-Driven Design, and Community Involvement

April Mendez, Greenprint Partners

Virtual Event – Wednesday, June 23, 2021

Session 03: Innovation and Technology

Wednesday, June 23, 2021, 11:00 AM - 12:00 PM Eastern – Simu-live

- 11:00 AM** **Moving from Monitoring to Metering: Benefits of Real-Time Flow Data in Stormwater Management**
Steven Cai, Suzie Housley, Erin Rothman, StormSensor
- 11:20 AM** **Port of Long Beach Stormwater Harvesting Feasibility Study — Improving Water Quality and Enhancing Water Supply**
Alexis Holmdal, Ed Othmer, Dylan Porter, Port of Long Beach
- 11:40 AM** **Follow the Drop: Empowering Communities to Build Water Security & Resiliency**
Lauren Roth Venu, Roth Ecological Design International

Session 04: Stormwater Asset Management

Wednesday, June 23, 2021, 1:00 PM - 2:00 PM Eastern – Simu-live

- 1:00 PM** **Orange County Stormwater Tools: Development of an Open Source Web Platform for Stormwater Asset Management and Modeling**
Jamie Feldman, Aaron Poresky, Austin Orr, Geosyntec Consultants; John Burns, Sitka Technology Group; Cindy Rivers, OC Public Works
- 1:20 PM** **Stormwater Asset Management Enabled by RFID**
Debra Oakes, Berntsen International, Inc.
- 1:40 PM** **Managing Stormwater Facilities in the Arid West: Implementation of Coachella Valley Water District's Asset Management Program**
Clinton McAdams, James Reitmeier, Black & Veatch

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Session 05: Stormwater Program Management

Wednesday, June 23, 2021, 3:00 PM - 4:30 PM Eastern – Live on Zoom

- 3:00 PM** **Large-Scale Green Stormwater Infrastructure Implementation in Philadelphia**
Raleigh Myers, CDM Smith; Angela Erat, Philadelphia Water Department; Andrew Baldridge
- 3:20 PM** **Adapting the Upper LA River Bacteria Load Reduction Strategy with a Data Driven Approach to Target Human Sources**
Brianna Datti, Craftwater Engineering; Dawn Petschauer, City of Los Angeles; Clint Boschen, Tetra Tech Inc
- 3:40 PM** **Lancaster County Pennsylvania Municipalities are implementing Pollutant Reduction Plans to Comply with MS4 Permit Requirements and Improve Water Quality in Local Streams and in the Chesapeake Bay**
Kara Kalupson, RETTEW Associates
- 4:00 PM** **Vision of the Future: Developing a Water Quality Master Plan to advance the City of Hampton's Downtown Economic Goals**
Jonathan Logue, Rosey Jencks, Brown and Caldwell