



**TOWN  
+GOWN:  
NYC**

**Water In and Water Out—Innovative Water  
Research (DAY 1)  
February 15, 2024, 9:00 a.m. – 3:30 p.m. EST  
Virtual Event via Teams (Will Be Recorded)**

Town+Gown’s **Water In and Water Out—Innovative Water Research (IWR)** working group has been supporting city agencies in connection with the Megacities Alliance for Water and Climate (MAWAC) - European North American Region (ENAR) collaborative research efforts, which began on March 20-21, 2023, with the first MAWAC-ENAR Water Research & Innovation (WRI) Workshop. This two-day symposium event for the IWR working group will continue to support future WRI Workshops and any resulting multi-megacity research projects.

**AGENDA FOR DAY 1**

<b><i>Introduction</i></b>	9:00 AM—9:15 AM
Ilan Juran/NYU (ret.) and CEO/W-SMART Association	March 2023 Event Update
<b><i>Stormwater Management</i></b>	9:15 AM—12:15 PM
Andrea Silverman, NYU/Tandon	FloodNet Update
Franco Montalto, Drexel	Characterizing Current and Future Extreme Heavy Rainfall in New York City Update
Jennifer Cherrier, CUNY/Brooklyn	NYC Stormwater Resiliency Study Update and Next Steps
Bill Blanford and Greg O’Mullen, CUNY/Queens	Novel Antimicrobial Media for Treating Storm Waters
Xinwei Mao, SUNY/Stony Brook	Stormwater Filter Design Update
<u>Discussion Session Moderated by Dylan Meagher/NYC DEP</u>	
<b>BREAK</b>	12:15 PM—1:15 PM
<b><i>Integrated Water Management</i></b>	1:15 PM—3:15 PM

Benjamin Wilde, Cornell/AAP

Human Excreta Biochar: An Evaluation of the Potential of Resource-Oriented Sanitation to Bridge the Metabolic Rift

April Gu, Cornell/School of Engineering

Towards Carbon and Energy Neutrality for Water Sustainability- Technological Advances and Paradigm Shifts

Thomas Theis, University of Illinois Chicago

The Circular City for Regional Resilience

Discussion Session Moderated by Aaron Packman/Northwestern

***The Water Research Foundation***

3:15 PM—3:30 PM

Ashwin Dhanasekar, WRF

WRF Research Overview



**TOWN  
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**Water In and Water Out—Innovative Water  
Research (DAY 2)  
February 16, 2024, 9:00 a.m. – 3:30 p.m. EST  
Virtual via Teams (Will Be Recorded)**

Town+Gown’s **Water In and Water Out—Innovative Water Research (IWR)** working group has been supporting city agencies in connection with the Megacities Alliance for Water and Climate (MAWAC) - European North American Region (ENAR) collaborative research efforts, which began on March 20-21, 2023, with the first MAWAC-ENAR Water Research & Innovation (WRI) Workshop. This two-day symposium event for the IWR working group will continue to support future WRI Workshops and any resulting multi-megacity research projects.

**AGENDA FOR DAY 2**

<b><i>Introduction</i></b>	9:00 AM—9:15 AM
Terri Matthews, Town+Gown:NYC	Recap of Day 1
<b><i>Infrastructure Assets Management</i></b>	9:15 AM—11:30 AM
Cristina Negri, Argonne National Laboratory	Chicago’s Urban Integrated Field Laboratory
Youssef Diab, G. Eiffel University	Infrastructure Management Risk Assessment Plus Utilidors
Barnaby Dobson, Imperial College	Modelling Tools to Support Integrated Water Planning (WSIMOD)
Sam Botts White, NYU/Tandon	AI Application for Wastewater Treatment Process Control
<u>Discussion Session Moderated by Thu-Loan Dinh/NYC DDC</u>	
<b>BREAK</b>	11:30 AM—12:00 PM
<b><i>Combined Climate Adaptation Innovation and Community Engagement</i></b>	12:00 PM—2:30 PM
Şevin Yildez, University of Illinois Chicago	Chicago’s New Nature: Innovative Climate Planning Tools for the Adaptation Gap

Zehra Kuz, Pratt/RAMP

Jamaica Bay Story Update

Véronèque Ignace, CUNY/Brooklyn-SRI@JB

FloodNet Community Engagement

Ashish Sharma, University of Illinois Urbana

eJUST Environmental Justice Using Urban Scalable Tools

Discussion Session Moderated by Terri Matthews/Town+Gown @ NYC DDC

***The Way Forward***

2:30 PM—3:00 PM

Dan Hart, University of Birmingham

Looking toward Next Megacity WRI Event

***International Funding Opportunities***

3:00 PM—3:30 PM

Debra Laefer, NYU/Tandon

Methodology to Identify and Discussion