

QUALITY WATER FROM EVERY TAP

A WORKSHOP OF THE ENVIRONMENTAL HEALTH MATTERS INITIATIVE
NOVEMBER 21-22, 2019

The quality of U.S. drinking water is at risk as our water infrastructure ages and environmental conditions impact source water conditions. This workshop will explore the paths we can take to increase the quality of water for systems that do not meet today's drinking water standards — especially focusing on communities that lack adequate resources and expertise because they are small or declining in size. Participants will delve into existing scientific knowledge on this issue, from a variety of disciplines, exploring topics from social science to technological development. Our goal is for participants to share and generate innovative thinking on how to improve quality, empowering leaders with the science they need to move the needle on this complex challenge.

AGENDA OVERVIEW

THURSDAY

- 8:30** Workshop Chair's Welcome
- 9:00** Understanding the Challenge and its Underlying Causes
- 11:00** Taking a Systems View of the Challenge
- 11:30** Lunch
- 12:30** Solution Space 1: Governance, Finance, Policy, and Management Approaches and Interventions at the Local Level
- 2:30** Break
- 2:45** Solution Space 2: Governance, Economics, and Policy Opportunities and Needs at the National and State Levels
- 4:45** Reflections from Committee and Liaisons
- 5:30** Adjourn

FRIDAY

- 8:30** Workshop Chair's Welcome
- 8:45** Solution Space 3: Leveraging Technology and Information
- 10:45** Break
- 11:00** Moving the Needle
- 12:15** Workshop Chair's Closing
- 12:30** Adjourn

Questions or Comments?

Let us know your thoughts during and after the workshop.

Email

EHMI@nas.edu

Hashtag

#EnviroHealthMatters

Registration

<https://bit.ly/2VOOUQN>

Workshop Location

This workshop is taking place at the National Academy of Sciences Lecture Room.

The Environmental Health Matters

Initiative (EHMI) brings together leaders from various sectors and disciplines to identify important environmental health problems, explore their complexity, and advance solutions to address those issues.

QR Code For:

Bios
Questionnaire
Results



THURSDAY, NOVEMBER 21, 2019

8:30 Chairs' Welcome

- Thomas Burke, *EHMI Chair*
- Martha Rudolph, *Organizing Committee Chair*

9:00 DESCRIBING THE PROBLEM

UNDERSTANDING THE CHALLENGE AND ITS UNDERLYING CAUSES

Short Talks [45 minutes]

- Alan Roberson, *Association of State Drinking Water Administrators*
- Kristi Pullen Fedinick, *Natural Resources Defense Council*
- Manuel Teodoro, *Texas A&M University*
- Megan Mullin, *Duke University*

Panel [50 minutes]

Interactive Discussion [25 minutes]

Moderators

- Jackie MacDonald Gibson, *University of North Carolina at Chapel Hill*
- Mark LeChevallier, *Dr. Water Consulting*

Panelists

- Kristi Pullen Fedinick, *Natural Resources Defense Council*
- George Hawkins, *Moonshot Missions*
- Megan Mullin, *Duke University*
- Alan Roberson, *Association of State Drinking Water Administrators*
- Manuel Teodoro, *Texas A&M University*

11:00 Taking a Systems View of the Challenge

- Kacey Faust, *University of Texas at Austin*

11:30 Lunch

12:30 SOLUTION SPACE 1

GOVERNANCE, FINANCE, POLICY, AND MANAGEMENT APPROACHES AND INTERVENTIONS AT THE LOCAL LEVEL

Overview [15 minutes]

- Jeff Oxenford, *Rural Community Assistance Partnership*

Panel [55 minutes]

Voting [5 minutes]

Interactive Discussion [45 minutes]

Moderators

- Mark LeChevallier, *Dr. Water Consulting*
- Steve Wilson, *University of Illinois*

Panelists

- George Hawkins, *Moonshot Missions*
- Andy Kricun, *Camden County Municipal Utilities Authority*
- Yvonne Lewis, *National Center for African American Health Consciousness*
- Megan Mullin, *Duke University*
- Jeff Oxenford, *Rural Community Assistance Partnership*
- Manuel Teodoro, *Texas A&M University*

2:30 Break

2:45 SOLUTION SPACE 2

GOVERNANCE, ECONOMICS, AND POLICY OPPORTUNITIES AND NEEDS AT NATIONAL AND STATE LEVELS

Overview [15 minutes]

- Janice Beecher, *Michigan State University*

Panel [55 minutes]

Voting [5 minutes]

Interactive Discussion [45 minutes]

Moderators

- Camille Pannu, *UC Davis School of Law*
- Martha Rudolph, *Organizing Committee Chair*

Panelists

- Janice Beecher, *Michigan State University*
- Michelle Frederick, *California Water Boards*
- Peter Grevatt, *Water Research Foundation*
- David Harvey, *Indian Health Service*
- Alan Roberson, *Association of State Drinking Water Administrators*
- Chris Sturm, *New Jersey Future*
- Mae Wu, *Natural Resources Defense Council*

THURSDAY, NOVEMBER 21, 2019

5:00 Reflecting on Today's Discussions

- Thomas Burke, *EHMI Chair*
- Martha Rudolph, *Organizing Committee Chair*

5:30 Adjourn

5:30 - 7:00 Reception in East Court

FRIDAY, NOVEMBER 22, 2019

8:30 Chair's Welcome

- Martha Rudolph, *Organizing Committee Chair*

8:45 SOLUTION SPACE 3

LEVERAGING TECHNOLOGY, INFORMATION, AND INFORMATION ANALYSIS

Overview [15 minutes]

- Bruce Dvorak, *University of Nebraska at Lincoln*

Panel [55 minutes]

Voting [5 minutes]

Interactive Discussion [45 minutes]

Moderators

- Amy Pruden, *Virginia Tech*
- Steve Wilson, *University of Illinois*

Panelists

- Carolina Balazs, *CA Office of Environmental Health Hazard Assessment*
- Bruce Dvorak, *University of Nebraska at Lincoln*
- Kasey Faust, *University of Texas at Austin*
- Chris Impellitteri, *EPA Office of Research and Development*
- Branko Kerkez, *University of Michigan*
- Upmanu Lall, *Columbia University*
- Eugene Leung, *California Water Boards*

10:45 Voting and Break

11:00 Moving the Needle: What Are the Solutions We Need?

- **Moderator:** Patrick Breyse, *Centers for Disease Control and Prevention*
- Thomas Burke, *EHMI Chair*
- Mark LeChevallier, *Dr. Water Consulting*
- Camille Pannu, *UC Davis School of Law*
- Amy Pruden, *Virginia Tech*
- Martha Rudolph, *Organizing Committee Chair*

12:15 Chair's Closing Remarks

- Martha Rudolph, *Organizing Committee Chair*

12:30 Adjourn

***1 to 3 p.m. Business Meeting for EHMI Committee Members and Liaisons

The background of the entire page is a high-speed photograph of water splashing and creating bubbles. The water is a deep blue color, and the bubbles are white and translucent. The splashes are dynamic and energetic, with some water droplets frozen in mid-air. The overall effect is one of movement and fluidity.

YOUR NOTES