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

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

National Academy of Sciences, Lecture Room
2101 Constitution Ave NW
Washington, DC 20418
**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**

<table>
<thead>
<tr>
<th>Short Talks [45 minutes]</th>
<th>Moderators</th>
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<tbody>
<tr>
<td>Alan Roberson, Association of State Drinking Water Administrators</td>
<td>Jackie MacDonald Gibson, University of North Carolina at Chapel Hill</td>
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<tr>
<td>Kristi Pullen Fedinick, Natural Resources Defense Council</td>
<td>Mark LeChevellier, Dr. Water Consulting</td>
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<tr>
<td>Manuel Teodoro, Texas A&amp;M University</td>
<td>Kristi Pullen Fedinick, Natural Resources Defense Council</td>
</tr>
<tr>
<td>Megan Mullin, Duke University</td>
<td>George Hawkins, Moonshot Missions</td>
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Panel [50 minutes]
- Interactive Discussion [25 minutes]

### 11:00 Taking a Systems View of the Challenge
- Kacey Faust, University of Texas at Austin

### 11:30 Lunch

### 12:00 SOLUTION SPACE 1

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

<table>
<thead>
<tr>
<th>Overview [15 minutes]</th>
<th>Moderators</th>
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</thead>
<tbody>
<tr>
<td>Jeff Oxenford, Rural Community Assistance Partnership</td>
<td>Mark LeChevellier, Dr. Water Consulting</td>
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Panel [55 minutes]
- Voting [5 minutes]
- Interactive Discussion [45 minutes]

### 2:30 Break

### 2:45 SOLUTION SPACE 2

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

<table>
<thead>
<tr>
<th>Overview [15 minutes]</th>
<th>Moderators</th>
</tr>
</thead>
<tbody>
<tr>
<td>Janice Beecher, Michigan State University</td>
<td>Camille Pannu, UC Davis School of Law</td>
</tr>
</tbody>
</table>

Panel [55 minutes]
- Voting [5 minutes]
- Interactive Discussion [45 minutes]
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 Breysse, Centers for Disease Control and Prevention
   • Thomas Burke, EHMI Chair
   • Mark LeChevellier, 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