

## Water Research at Northwestern University

Water is central to all life. There is increasing global concern that limited availability of clean, safe water will impair public health, restrict economic production, destabilize vulnerable societies, and irreversibly damage native ecosystems – particularly in areas of the world with dense populations, contentious governance, and poor water resources. The Center for Water Research at Northwestern was formed in March 2016 to catalyze and coordinate water research across the University, increase the visibility and impact of our water research, and increase opportunities for Northwestern faculty and students in all domains touching on water. There is burgeoning programmatic development and support for water research across the University, including global strategic programs supported by the Finite Earth Initiative and the Buffett Institute for Global Studies, local and global research and engagement through the Institute for Sustainability and Energy at Northwestern, social science and public policy research through the Institute for Policy Research, and community legal support through the Environmental Advocacy Center at Northwestern's Bluhm Legal Clinic.

This Lawrence B. Dumas Domain Dinner will discuss how Northwestern research can contribute to defining water insecurity from multiple perspectives, measuring water insecurity through multi-domain/multi-scale methods, and solving water insecurity through integration of new technologies with broader social, sustainability, economic, legal, and policy frameworks.

For additional information about the Center for Water Research, please visit the center's website at: [www.water.northwestern.edu](http://www.water.northwestern.edu)

# Northwestern

---

## LAWRENCE B. DUMAS DOMAIN DINNER

Water Insecurity: Understanding its  
Consequences and Identifying Solutions

*James L. Allen Center  
April 5, 2017*

## \ Event Schedule \

### Cocktails

---

5:15 PM First Floor Lounge  
James L. Allen Center

### Welcome

---

6:00 PM McCormick Foundation Auditorium  
James L. Allen Center  
Dan Linzer  
*Provost*

### Panel Discussion

---

Sera Young, Moderator  
*Assistant Professor of Anthropology*  
*Faculty Fellow at the Institute for Policy Research*  
*Weinberg College of Arts and Sciences*

David Dana  
*Kirkland & Ellis Professor of Law*  
*Associate Dean for Faculty Affairs*  
*Faculty Associate at the Institute for Policy Research*  
*Co-Director of the Buffett Institute's Working Group on Climate Change Governance*  
*Northwestern Pritzker School of Law*

Aaron Packman  
*Professor of Civil and Environmental Engineering*  
*Director of the Center for Water Research*  
*McCormick School of Engineering and Applied Science*

### Dinner and Concluding Remarks

---

7:30 PM Philip and Nancy Kotler Atrium Dining Room  
James L. Allen Center

## \ Presenter Biographies \

**Sera Young** is an Assistant Professor in the Department of Anthropology, Faculty Fellow at the Institute for Policy Research, and Affiliated Faculty with the Center for Water Research at Northwestern. Young focuses on reducing maternal and child undernutrition in low-resource settings, especially in sub-Saharan Africa. Her current work aims to better our understanding of both how to measure household level water insecurity and the consequences of such insecurity. Young's group is currently conducting formative work on scale development and validation in Kenya, with a long-term goal of creating a cross culturally valid measure of household level water insecurity. She earned a BA in Anthropology from the University of Michigan, an MA in Medical Anthropology from the University of Amsterdam, and a PhD in International Nutrition from Cornell University.

**David Dana** is the Kirkland & Ellis Professor of Law and the Associate Dean for Faculty Affairs in the Northwestern Pritzker School of Law. Dana is also a Faculty Associate at the Institute for Policy Research and Co-Director of the Buffett Institute's Working Group on Climate Change Governance. Dana's current scholarly work focuses on a range of topics, including environmental and health risks posed by emerging technologies and climate change adaptation, among others. He currently teaches a course on Water Law, which examines the legal regime that governs the allocation and management of surface and ground water in the United States and on international rivers and aquifers. Dana earned a BA and JD from Harvard University.

**Aaron Packman** is a Professor in the Department of Civil and Environmental Engineering and Director of the Center for Water Research at Northwestern. His research focuses on water systems dynamics and the transmission of dissolved and suspended constituents, including microorganisms, in aquatic systems. The Packman research team is applying fundamental, interdisciplinary methods to a variety of problems in natural and engineered water systems, including nutrient and carbon cycling, contaminant transport and water quality, ecosystem degradation and restoration, and waterborne disease transmission. Packman is the recipient of numerous awards and honors including the Fulbright Distinguished Chair, Huber Research Prize, and Career Awards from NSF and NIH. He received a BS in Mechanical Engineering from Washington University in St. Louis and an MS and PhD in Environmental Engineering and Science from the California Institute of Technology.