

WATER CHALLENGES



The mission of the Water Challenges Research Community is to foster connections across campus and around the world to facilitate interdisciplinary research that helps communities solve their water challenges. The quality and availability of water resources worldwide impact human health, food and energy security, ecosystem health, and economic development. Aging infrastructure, non-point source pollution, urban growth, emerging contaminants, and climate change are straining the capabilities of communities to provide safe drinking water, sustain agriculture, prepare for natural hazards, and protect aquatic ecosystems.

The scope of the Water Challenges Community is broad. Within the community, there are several sub-areas of interest including:

- Water management and treatment
- Human dimensions of water
- Urban water systems
- Great Lakes water
- Ecological restoration
- Water and energy
- Agricultural water use

ABOUT THE INSTITUTE

Drawing on the United Nations Sustainable Development Goals, Purdue's Institute for a Sustainable Future fosters and promotes research, partnerships, and engagement that advances understanding of persistent global sustainability challenges. The Institute supports the research and development needed to provide viable solutions to grand challenges in these areas by connecting faculty and researchers with one another and by forging linkages between disciplines and communities within Purdue and beyond.

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