Subscribe to our Newsletter

and special announcements.

Your email address

To be updated with all the latest news, offers

Subscribe

DESIGNING

INFRASTRUCTURE FOR

DISRUPTIVE EVENTS

Thursday, July 30, 2020

10:00 - 11:30 am ET

THIS LIVE WEBINAR SERIES IS PRODUCED BY

THIS EVENT IS POWERED BY actualmedia

ONTARIO'S WATER CONFERENCE AND

Postponed to May 3-5, 2021 due to COVID-19.

WINDOW ON SECURITY AND EMERGENCY

ReNew

CANADA

UPCOMING EVENTS

JUL MANAGEMENT

TRADE SHOW

WATER CANADA ON TWITTER

With low precipitation in the month of June, and a hot

summer ahead, the Government of #NewBrunswick is asking its residents to start conserving #water now to

> New Brunswick Asking Reside... Surface water and groundwater I...

> > 15m

help ensure resources are available this summer.

watercanada.net

"The top priority of the Water Environment Federation

Tweets by @CanadianWater

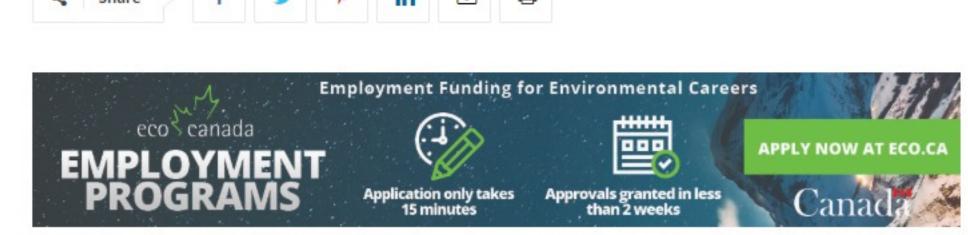
watercanada.net/new-brunswick-...

Water Canada

@CanadianWater

Water Canada @CanadianWater

JULY, 2020



Water Approach'

By Simran Chattha - June 5, 2020 @ 271 0 0

By Simran Chattha - June 5, 2020 | @ 274

Researchers at UBC Okanagan are launching a community-focused research program to assess the performance of water utilities and municipalities across the Okanagan Valley.

The project, funded by the Natural Sciences and Engineering Research Council of Canada (NSERC), will serve as a foundation for analyzing the drinking water, wastewater, and stormwater services for several communities across the Okanagan region.

"Although all the systems are independent, they all face the similar challenges when it comes to rapid population growth, aging infrastructure, and climate change," said Rehan Sadiq, professor of civil engineering and lead researcher on the project. "Our goal is to develop a data-sharing platform, assessment tools, and benchmarking strategies through a 'one water approach' to enable continuous monitoring and improvements to the systems."



time, researchers will identify and develop performance indicators as well as a performance assessment and benchmarking framework. The researchers will also create a portal for information analysis, sharing, and learning.

The four-phase project will investigate state-of-the-art practices in urban water management. At the same

utilities, municipalities, and regional districts, explained Sadiq. Signing on to the 'one water approach' will allow these systems to share their collective data and learn from each other practices and experiences. "There are so many similarities within our infrastructure and usage that being involved in a comparative

The Okanagan Valley is a mix of urban and rural communities serviced by small to medium-sized water

study just makes sense," said Ed Hoppe, water quality and customer care supervisor at the City of Kelowna.

The Okanagan Basin Water Board is also a stakeholder in the research. For the past 50 years, the board

has been providing leadership on water issues that span the valley. "To have access to the resources and researchers at UBC is invaluable for our communities, and will help

us continue to address our water needs into the future," said Anna Warwick Sears, executive director of the Okanagan Basin Water Board.

With funding from NSERC's Collaborative Research and Develop Grant, the researchers will spend the next

four years analyzing and developing tools to maintain and improve the region's water systems. The goal, said Sadiq, is to create clear benchmarks that all water systems can strive to reach. "What I'm proposing is we should all work together to identify where we are based on existing resources,

exists in the manufacturing sector, it exists in all other industries. Why don't we treat water the same way?" The project is also supported by the City of Kelowna, City of West Kelowna, City of Vernon, District of Peachland, District of Lake Country, Town of Osoyoos, Regional District of North Okanagan and Okanagan

determine how can we do better, and learn from each other—that is performance benchmarking," Sadiq

said. "It has to be a continuous performance improvement process. It exists in the corporate sector, it

Basin Water Board. It is expected that more community partners from the Valley will also join this project. "Water is often taken for granted, especially in the Okanagan," said Sadiq. "But it's so vital to our existence.

Through this research, we look forward to empowering our communities to address their water needs.

Learn more about the one water approach here.

And ensure everyone has safe, and clean water to drink."



Previous article

Investments in Natural Infrastructure Have Streamlining Water Treatment Solutions for Significant Economic Returns: Report Indigenous and Non-Urban Communities

MORE FROM AUTHOR



RELATED ARTICLES

2020 B.C. AquaHacking Challenge Winners Announced



New Partnership Aims to Address Flooding in Okanagan Valley





Aqua Forum and OBWB Announce B.C. AquaHacking Challenge Finalists

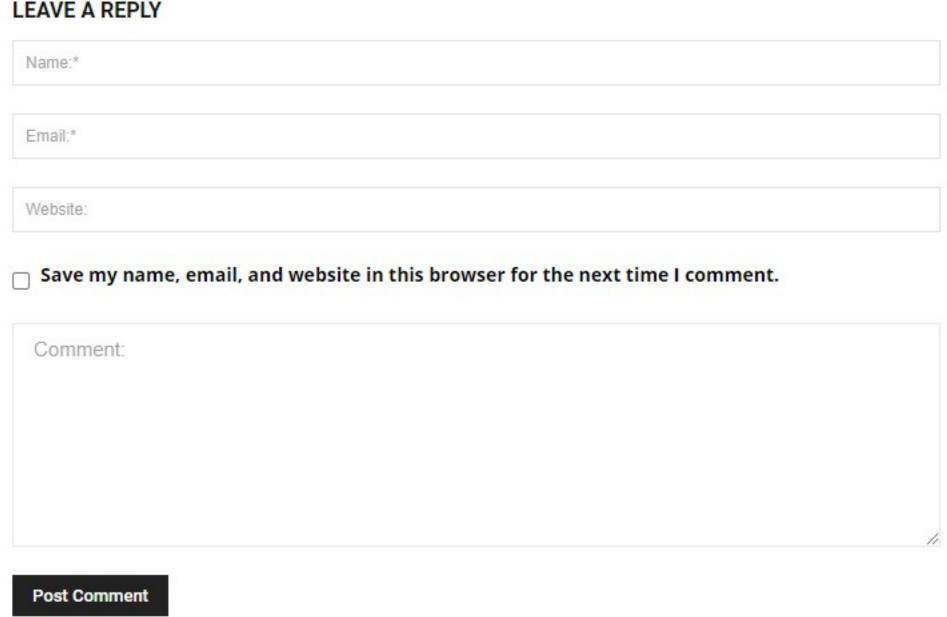
Wastewater

New Role at UBC Okanagan to Create Clean Technologies for Municipal Wastewater Treatment

Stormwater Extreme Weather Can Tax Urban Drainage Systems to the Max: Study

Minimize Flood Risk

Next article



frontline people in the water workforce," said WEF President Jackie Jarrell, watercanada.net/wef-namesdr-a...@WEForg @JackieJarrell1 #Water #Wastewater

"The top priority of the Water Environment Federation

is always to ensure the safety and health of the



WATER CANADA

Thousands of readers turn to Water Canada for exclusive, insightful content that speaks to Canada's water expertise,

ABOUT US

connects the country's decision-makers, and promotes better water management and stewardship of our most important natural resource.

FOLLOW US

About Us Privacy Policy Contact Us Media Kit 2020

© Copyright 2020 Water Canada |