



UNIVERSITY OF SASKATCHEWAN

School of Environment
and Sustainability

SENS.USASK.CA

BE WHAT THE WORLD NEEDS



How is your research tackling some of the major challenges facing humanity in the 21st century?

Securing our future water resources is a great challenge. I am trying to quantify how our surface waters are changing so we can plan for adaptation measures to those changes.

What impact is your work having locally or globally?

Locally, we try to inform the public and policy discourse around water resources and infrastructure. We try to develop better 'modelling' methods for prediction and management of water resources that can be used locally, nationally, or globally.

What motivated you to do what you do now?

Interest in developing mathematical and algorithmic tools to better understand how our environment works and how we can improve it.

What is your favourite course to teach?

Anything related to data science and modelling with applications to water and environmental systems.

What book (of any genre) would you recommend to a new student starting a program at SENS?

Naomi Oreskes and Erik M. Conway, *The Collapse of Western Civilization: A View from the Future*, <http://cup.columbia.edu/book/the-collapse-of-western-civilization/9780231169547>