IISD Experimental Lakes Area

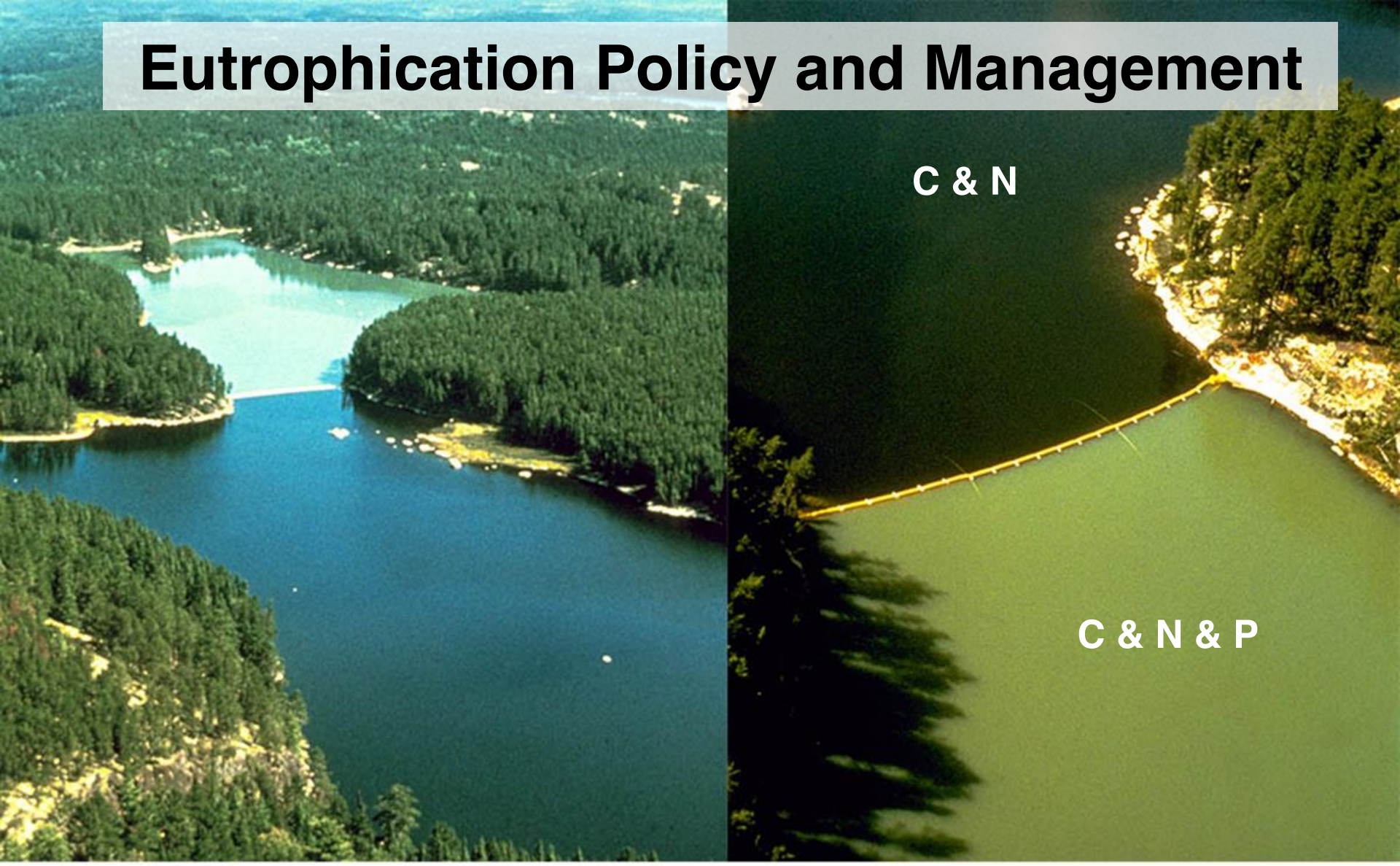
Conduct and facilitate collaborative ecosystem research at the whole ecosystem level

Support strong linkages between scientific research and policy formation

Provide a platform for science education, training and innovation

Communicate with the public, governments and the scientific community

Eutrophication Policy and Management



Lake 226 Experiment

Eutrophication Policy and Management

Billion-dollar nitrogen reduction efforts may have minimal impact on toxic algae blooms: study

Researcher says results from Experimental Lakes Area study support focusing on phosphorus to reduce algae

By Cameron MacLean, CBC News Posted: Jan 18, 2018 5:00 AM CT Last Updated: Jan 18, 2018 5:00 AM CT

Blue-green algae coats rocks at Victoria Beach on July 27, 2017. A newly published study suggests expensive efforts to reduce nitrogen have done little to stop the spread of algae blooms. (Kristie Pearson)

Lake 227

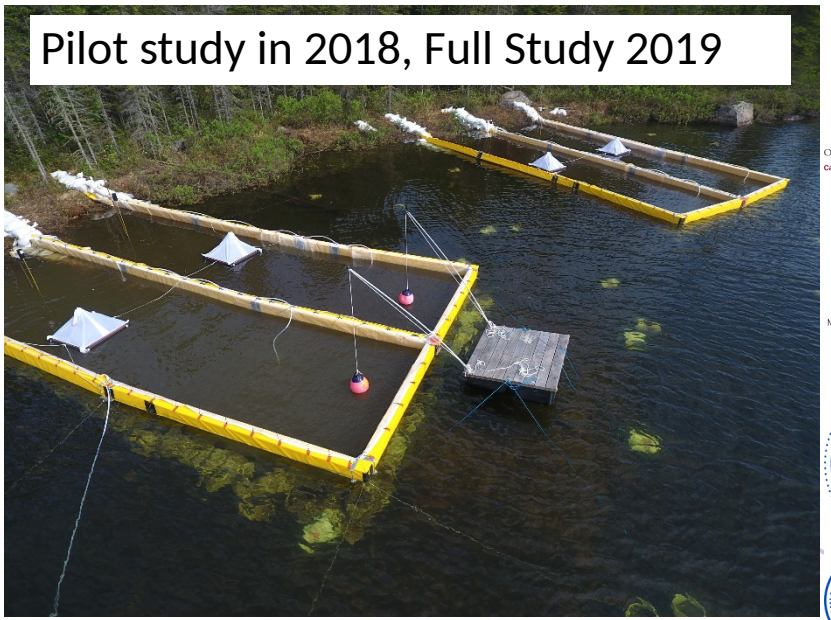
Effects of Oil Spills and Clean up Technologies

BOREAL Project (Pelagic enclosures)

- Objective:
  - Transport and fate
  - Ecological impacts

FOReST Project (Shoreline enclosures)

- Objective:
  - Clean up methods
  - Ecological Impacts



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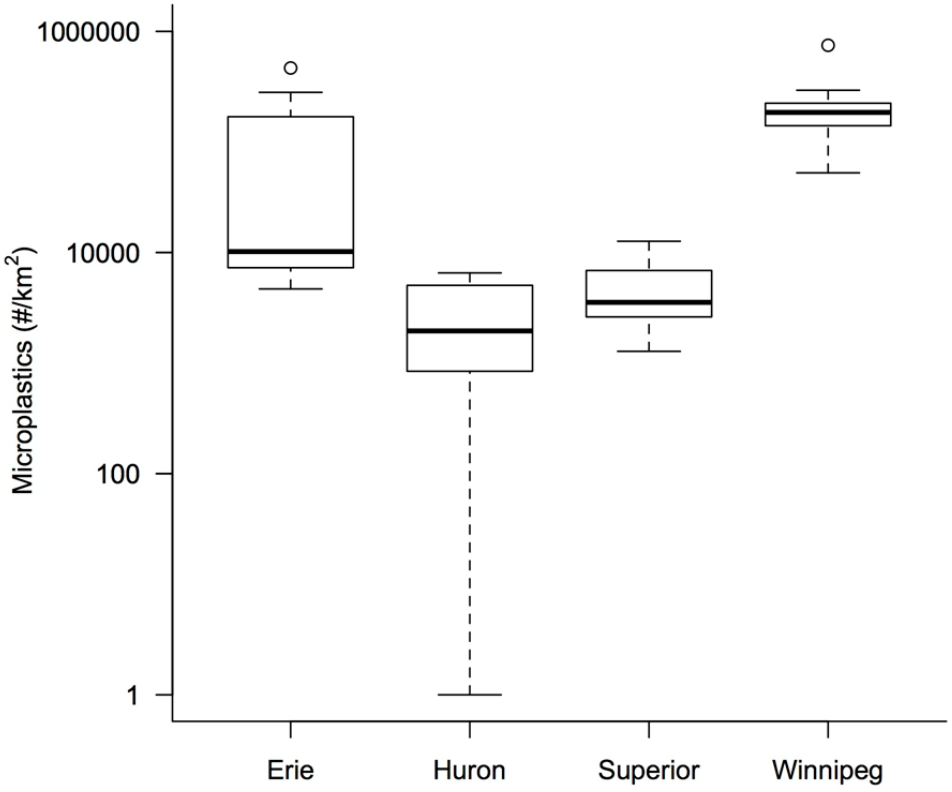
uOttawa
University of Manitoba
Environment and Climate Change Canada / Environnement et Changement climatique Canada
Stantec
POLARIS Applied Sciences, Inc.
Natural Resources Canada / Ressources naturelles Canada
Fisheries and Oceans Canada / Pêches et Océans Canada
McGill
CEPA
canadian energy pipeline association / association canadienne de pipelines d'énergie
CAPP Canadian Association of Petroleum Producers — Canada's Oil and Natural Gas Producers
University of Calgary
National Energy Board / Office national de l'énergie
Canada
University of California Riverside
United States Environmental Protection Agency

Microplastics

Chelsey Rochman: University of Toronto
Diane Orhiel: Queen's University
Michael Paterson: IISD - ELA



Science Communication & Engagement

HOW WE DO, RESEARCH VIDEOS, VIDEO | APR 5, 2017

HOW WE DO THINGS AT IISD-ELA: RESEARCHING EUTROPHICATION

Ever since its inception, IISD-ELA has been researching what causes algal blooms in fresh water bodies. This short video explains our work on phosphorus and nitrogen at IISD-ELA, and what impact it has gone on to have on policy around the world.

HOW WE DO, RESEARCH VIDEOS, VIDEO | APR 5, 2017

HOW WE DO THINGS AT IISD-ELA: RESEARCHING MERCURY

This video explores the groundbreaking work that has been carried out at IISD-ELA to determine what impact mercury has on our water, and how we can best improve it.

VIDEO | MAR 22, 2016

IISD-ELA WEBINAR: CLIMATE CHANGE AND ITS EFFECTS ON OUR LAKES

On March 2, 2016, we partnered with the Canadian Water Resources Association to host a webinar, with Dr. Scott Higgins providing a [...]

HOW WE DO, VIDEO | OCT 1, 2015

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How We Do Things at IISD-ELA is a series of videos that highlight research conducted by scientists at the IISD Experimental Lakes [...]

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Did you know that for the last nine years we have been replicating the impact of climate change on boreal lakes by manipulating how much water flows into one of our experimental lakes? Lee Hrenchuk, who has been there from the start gives us some reflections on the research, what we have learned, and where we go from here.

COMMENTARY | JAN 28, 2019

LONG READ: HOW WILL CANNABIS LEGALIZATION AFFECT OUR FRESH WATER?

Now that cannabis legalization is sweeping North America, it is time for us to explore the impact of marijuana on our abundant supplies of fresh water. Vince Palace, our head research scientists, takes us through the existing science and explains what IISD-ELA is gearing up to discover this summer.

COMMENTARY | JAN 10, 2019

INDIGENOUS AND WESTERN APPROACHES TO ENVIRONMENTAL SCIENCE: WHAT INTEGRATION MEANS TO US

In Canada, Western and Indigenous approaches to science are often considered incompatible. We explore how they can and should be working in tandem to further our understanding and protection of fresh water and the environment.

HOW WE DO, RESEARCH VIDEOS, VIDEO | DEC 5, 2018

HOW WE DO THINGS AT IISD-ELA: RESEARCHING CLIMATE CHANGE

Want to learn more about how scientists at your favourite 58 lakes are exploring the impact of climate change on fresh water? This short video explains all.

COMMENTARY | NOV 29, 2018

CAPTURED & PROCESSED: THOUSANDS OF PHOTOGRAPHS AND HUNDREDS OF THOUSANDS OF FISH

Lauren Hayhurst has secured a rare hat-trick, having been a undergraduate student, graduate student and employee at the world's freshwater laboratory. She shares her stories (and secrets) with us all.

Partnerships, collaboration, sustainabilit

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IAGLR June 8-12, 2020. Winnipeg, Canada

Thank you

Scott Higgins

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www.IISD.org/ELA

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experimental lakes area