

The Great Lakes HABs Collaborative: connecting science and management

Great Lakes and St. Lawrence Cities Initiative

November 19, 2020

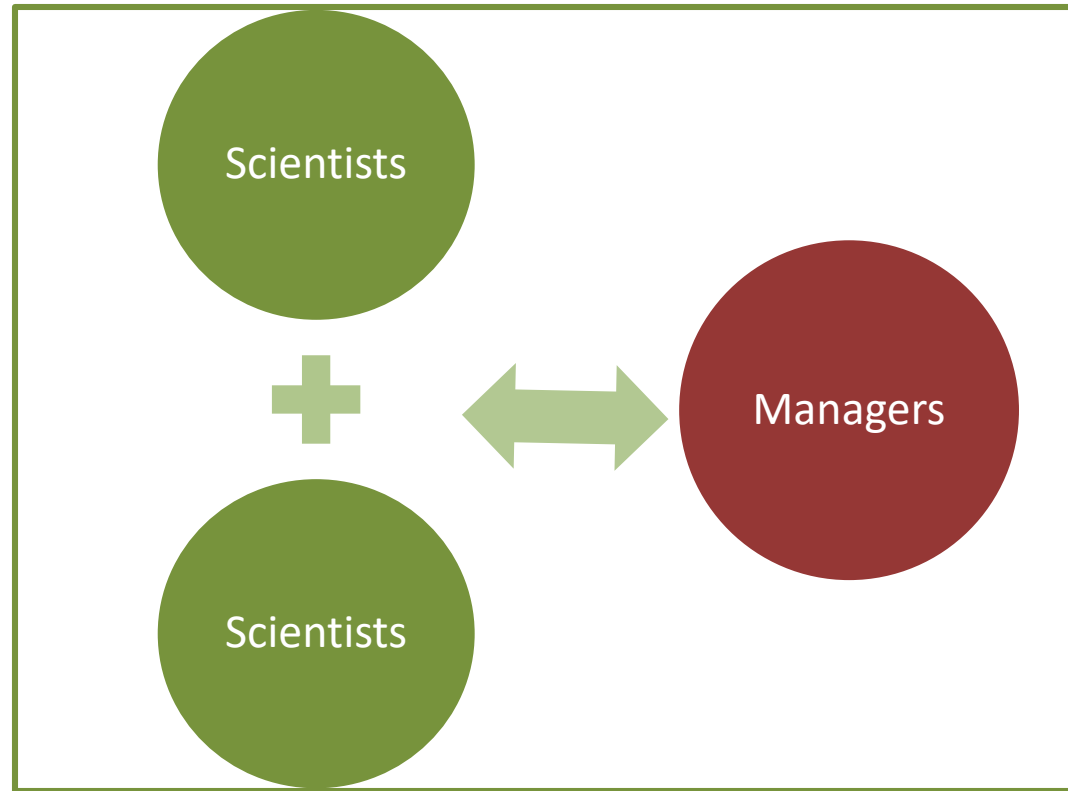
Presented by Co-Chair Dr. Katie Stammer, ERCA

What is the HABs Collaborative?

The Great Lakes HABs Collaborative seeks to improve communication among scientists, and between scientists and decision-makers, on issues related to Harmful Algal Blooms (HABs) in the Great Lakes.



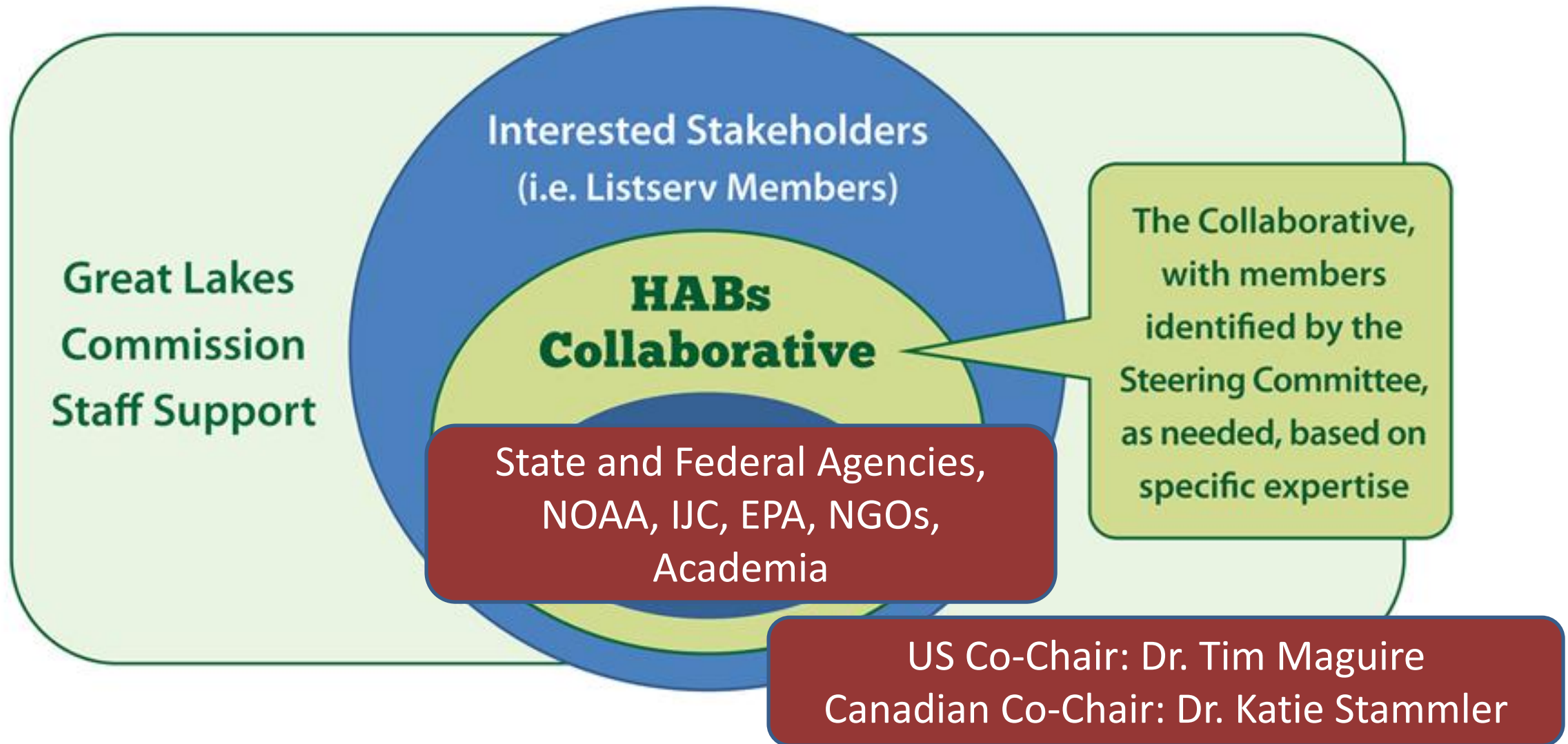
What is the HABs Collaborative?



Organizational Structure



Organizational Structure



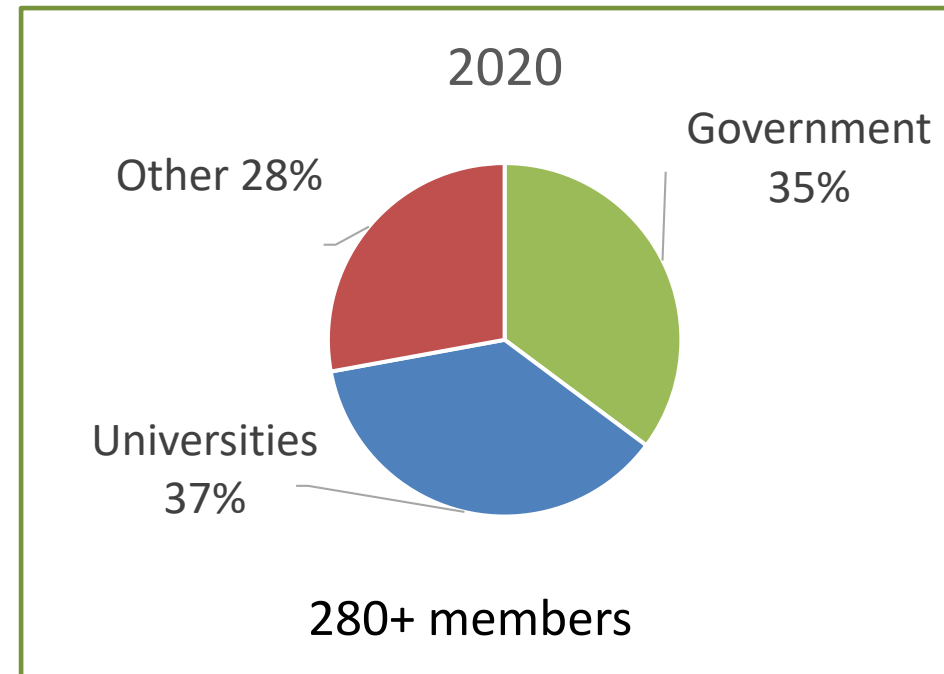
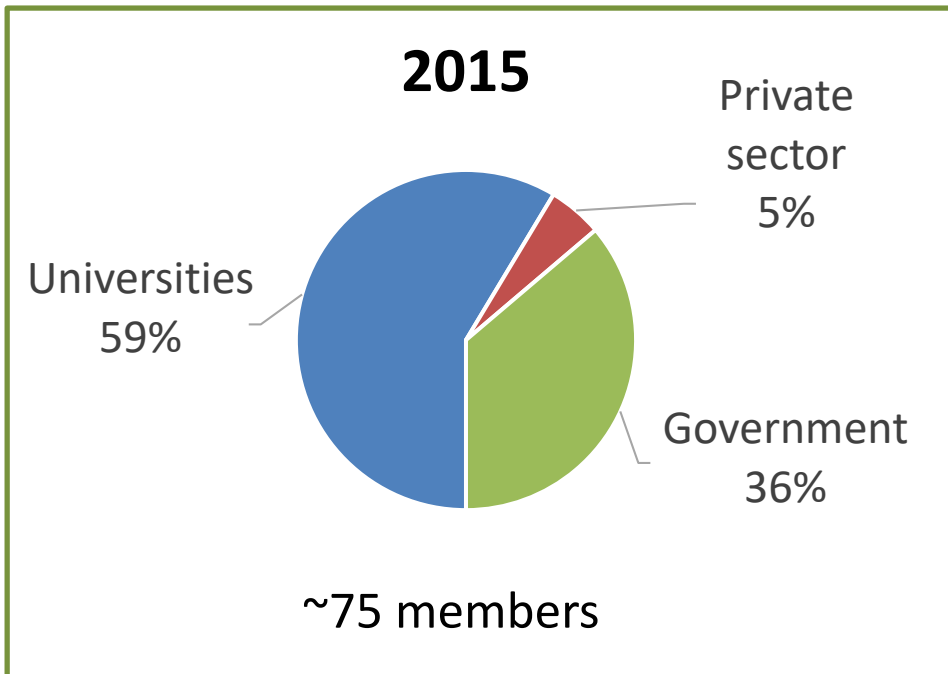
Organizational Structure

Currently we are missing representation from municipalities on the Steering Committee.

If you're interested in joining the Steering Committee, please contact GLC Program Manager Nicole Zacharda at nzacharda@glc.org



Listserv Membership





HABs Collaborative

Linking Science and Management to Reduce Harmful Algal Blooms

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[HABs Collaborative Newsletter](#)

About the HABs Collaborative

The Great Lakes HABs Collaborative is a “collective laboratory” that seeks to improve communication among scientists, and between scientists and decision-makers, on issues related to Harmful Algal Blooms (HABs) in the Great Lakes. Established by the Great Lakes Commission (GLC), in partnership with U.S. Geological Survey – Great Lakes Science Center in 2015, the HABs Collaborative is helping to establish a common knowledge base of where science currently is on HABs, what future science needs may be, and how the region can work together to better prevent and manage HABs.

HABs in the Great Lakes have poisoned drinking water, threatened public health, and hurt the regional economy. Management is a complex, regional challenge that cannot be addressed by one state or by traditional management. The Great Lakes HABs Collaborative is part of the GLC’s portfolio of collaborative projects that apply the collective impact framework to address complex problems facing the Great Lakes. The model for the Collaborative also builds on similar coordinative efforts by the GLC to address invasive Phragmites and invasive mussels in the Great Lakes.



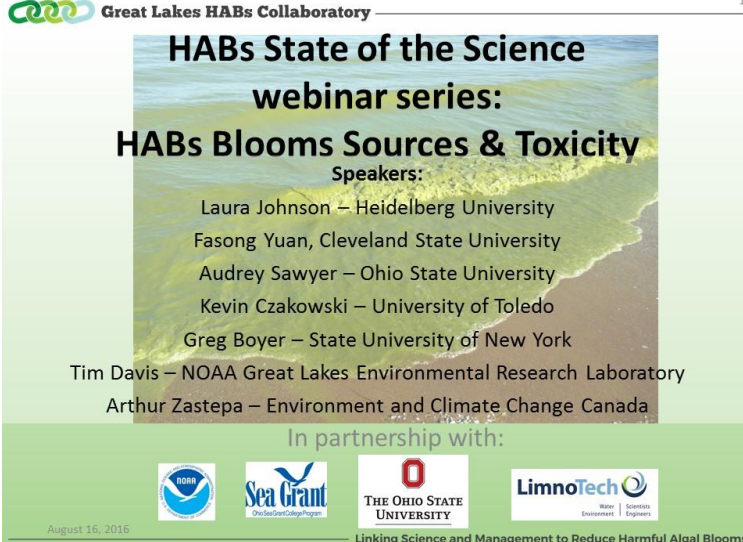
A Collaborative Approach: Linking science and management to reduce harmful algal blooms



Copy link

Webinars

- Lakewide Management, the Great Lakes Water Quality Agreement, & HABs (*March 2020*)
- Smart Watersheds for Smart Lake Management (*Feb. 2020*)
- Great Lakes Observing System (*Jan. 2019*)
- Current and Emerging HABs-related Technology in the Great Lakes (*Nov. 2018*)
- Field Season Webinars (*Jul. 2017 and Dec. 2016*)
- Great Lakes HABs Modelling Webinar (*Mar. 2017*)
- HABs Collaboratory and Invasive Mussels Collaborative Joint Webinar (*Jan. 2017*)
- 2016 State of the Science Webinar Series
 - Data and modeling; Sources and movements (*Jun. 2016*)
 - HABs and safe drinking water; Detection, composition and effects; Public health (*Jul. 2016*)
 - Monitoring and forecasting; Sources and toxicity (*Aug. 2016*)
 - Educate & engage (*Sept. 2016*)






**HABs State of the Science
webinar series:
HABs Blooms Sources & Toxicity**

Speakers:

- Laura Johnson – Heidelberg University
- Fasong Yuan, Cleveland State University
- Audrey Sawyer – Ohio State University
- Kevin Czakowski – University of Toledo
- Greg Boyer – State University of New York
- Tim Davis – NOAA Great Lakes Environmental Research Laboratory
- Arthur Zastepa – Environment and Climate Change Canada

In partnership with:

-  NOAA
-  Sea Grant
-  THE OHIO STATE UNIVERSITY
-  LimnoTech

August 16, 2016

Linking Science and Management to Reduce Harmful Algal Blooms



 **great lakes
observing system**

 **Great Lakes HABs
Collaboratory**

A red research vessel is shown on the water, with a city skyline visible in the background.



Great Lakes HABs Collaborative NEWSLETTER

LINKING SCIENCE AND MANAGEMENT TO REDUCE HARMFUL ALGAL BLOOMS Spring 2020

What's happening with the HABs Collaborative Steering Committee?

May 2020 Committee Meeting

The Steering Committee met in May to discuss the status of existing products being developed (HABs Knowledge Gaps Fact Sheet and a "Who Does What with Great Lakes HABs" Factsheet), proposed human health "mini-reviews," and Steering Committee governance.

Per the [Charter finalized in May 2018](#), our co-chairs, Silvia Newell of Wright State University and Michelle Selzer of Michigan's Department of Environment, Great Lakes, and Energy, served their two-year term and invited colleagues to take on this role on behalf of the Collaborative.

Katie Stammer of Essex Region Conservation Authority and Tim Maguire of the Cooperative Institute for Great Lakes Research volunteered to stand as co-chairs of the Collaborative's work. A current list of Steering Committee members can be found [here](#).

Silvia Newell and Michelle Selzer will stay on the Steering Committee for the next two years. A special thanks goes to both for their leadership during their term as co-chairs. Through their efforts, a Charter was instituted, the Collaboratory was shifted to a Collaborative, and the Steering Committee was expanded. Their guidance was instrumental in continuing the Collaborative's work creating a community of practice across the water management and research sectors working to address HABs in the Great Lakes.

Quarterly Newsletter

- Updates on work of the Collaborative
- Member spotlight
 - Submitted by members of the Collaborative
 - Features work from across the Great Lakes
- Announcements for upcoming events
- Read past newsletters at:
glc.org/work/habs/news

Publications

- Presented in an easily digestible format
- On topics of interest to the public, management community, and/or policy makers
- Available at:
glc.org/work/habs/publications

Phosphorus (P) and HABs: Sources of P from the Maumee River

- *Published on 9/12/2017*

How Does Nitrogen Affect Harmful Algal Blooms?

- *Published on 10/09/2017*

A Collaborative Approach: Linking science and management to reduce harmful algal blooms

- *Available at: <http://bit.ly/HABsCollabVideo>*

Who Does What? A Guide to Agencies' Roles in HABs

- *In Progress*

Great Lakes Harmful Algal Blooms: Current Knowledge Gaps

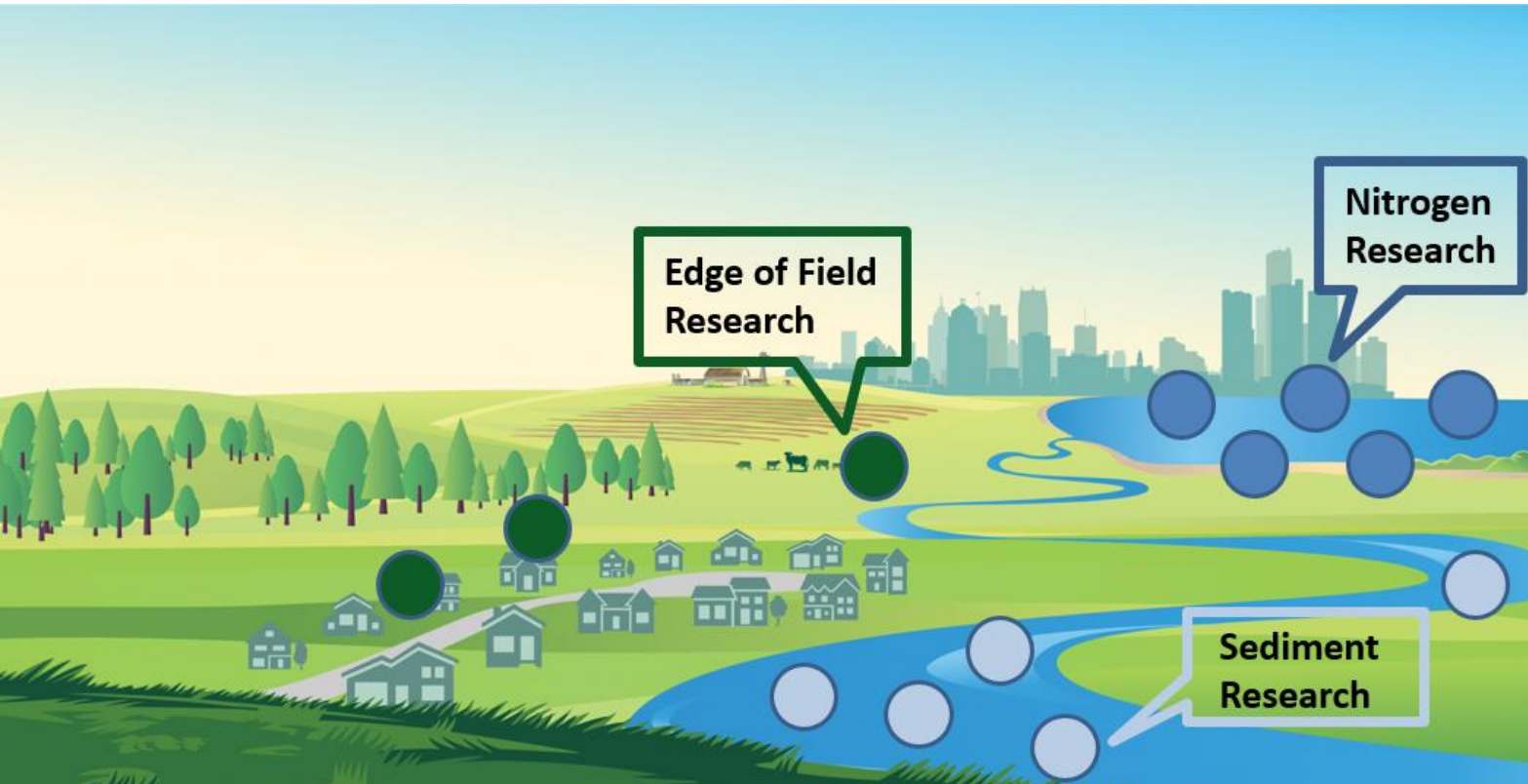
- *In Progress*

Future Work: Research Dashboard



- To be hosted on a new HABs Collaborative website
- Clickable dashboard to navigate different areas of research
- Will contain information on the various research efforts occurring throughout the Great Lakes basin
- Development will begin in January 2021

Future Work: Research Dashboard



Clickable interface to navigate Great Lakes research

Nitrogen Research Detail	Research Team	Name of Project/Link to More Info

Keeping in Touch



Website:

<https://www.glc.org/work/habs-collaboratory>

 @GLHABsCollab

Join the List-Serv:

habscollaboratory+subscribe@great-lakes.net



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to Reduce Harmful Algal Blooms