



Great Lakes HABs Collaboratory

Linking Science and Management to Reduce Harmful Algal Blooms

HABs Collaboratory Update

January 2017

What's happened since May?

Since May, the HABs Collaboratory has been busy. Among our accomplishments, we completed the [summer webinar series](#), started meeting with individual mythbusters groups, conducted an "End of the Field Season" webinar, proposed a session at IAGLR 2017, and conducted a joint webinar with the Invasive Mussels Collaborative. These efforts have brought together researchers, practitioners, and others to share the latest science on HABs and help build our collective knowledge that can make research results more impactful as our region tackles the challenges presented by HABs in freshwater ecosystems.

Share your HABs news, articles, or information directly with other members of the HABs Collaboratory simply by sending an email to: habscollaboratory@great-lakes.net. From there, it will go to the 150-plus HABs researchers and practitioners across the Great Lakes Basin who are part of the HABs Collaboratory. To find out who is on the HABs Collaboratory, or to connect with individual members, the group list is on our HABs Collaboratory Google Drive. This list is presently accessible only to HABs Collaboratory members. You can also send an email to the core team at gl.habs.collaboratory@gmail.com. We will use information from your postings to develop these periodic updates.

What's happening next?

Modeling webinar

Our next webinar will highlight lessons learned from comparing linked ecological-hydrodynamic models among HABs systems (in February, exact date TBD). Models representing Green Bay, Saginaw Bay, Lake St. Clair, and western Lake Erie are currently slated to be shared during this webinar. If you have a model you would like to present, and have not already volunteered, email Ken Gibbons (kgibbons@glc.org).

In-person meeting

Plans are also being made for an in-person HABs Collaboratory meeting on Monday, May 15 in Ann Arbor, MI (just before the IAGLR meeting). Our recent poll showed strong support for linking our next meeting with IAGLR so people could combine travel. Please save the date and be on the lookout for details to follow. If you would like to be on the meeting organizing team or have suggestions for the agenda, please email Ken Gibbons (kgibbons@glc.org). Thank you to those who have already volunteered!

IAGLR session

The HABs Collaboratory is hosting a session at the [2017 IAGLR conference](#) (May 15-19 in Detroit, MI). We are session #41 “Harmful Algal Blooms (HABs) from watershed influence to ecosystem effects”; 23 talks and 11 posters were submitted for this session! A big thanks to all who submitted an abstract for the HABs session. The conference organizers are currently arranging the schedule and presentation assignments; emails should go out in February. Abstract submission is now closed, but regular registration will open in March. Whether you submitted an abstract or not, we look forward to seeing you in Detroit!

Subgroup updates:

Mythbusters Group and Subgroups Formed

Since May, the mythbusters group has formed groups around 4 main topics (Cures to HABs, Sources of Nutrients into Lake Erie, Toxicity of HABs, and Role of N in HAB formation). Subgroups on each topic are bringing together researchers, practitioners, and students to help to build consensus about important areas of HAB research. Each subgroup has convened via webinar and is working to identify common questions (to counter myths) related to the specific topic. As the groups continue to build consensus and summarize scientific knowledge about HABs, collective thinking will be reflected in a document that is readable by non-specialists. For most of groups, it will likely be a fact sheet that will focus on common practitioner questions about HABs. The fact sheets will have a similar look and similar levels of content.

HABs Collaboratory and Invasive Mussels Collaborative Joint Webinar:

During the State of the Science summer webinar series, multiple presentations identified interactions between invasive mussels and HABs. Members of the HABs Collaboratory were interested in further investigating these interactions through a joint webinar with the Invasive Mussels Collaborative (IMC). On January 24th, the HABs Collaboratory and the IMC jointly hosted a webinar in which 3 speakers presented the latest research on the interactions between HABs and invasive mussels. A recording of the webinar will be available on the HABs Collaboratory website.

End of field season wrap-up webinar

On December 15th, the HABs Collaboratory hosted the “End of the field season wrap-up” webinar, which had presenters from across the Great Lakes Basin discussing the bloom conditions for 2016. A total of 5 speakers discussed bloom conditions on 4 different systems to 120 viewers. During the webinar, presenters informed viewers about mild bloom conditions in Lake Erie, an average bloom size in Saginaw Bay, an intense bloom in Sandusky Bay, and an unexpected bloom in Lake Superior. A recording of the webinar can be accessed [here](#).

State of the science summer webinar series

In the fall of 2016, we wrapped up our summer webinar series. During this 8-part series, we reached out to an average of 88 viewers for each webinar and discussed a variety of HAB research occurring in the Great Lakes.

Topic	Attendance	Video Link
HABs Data & Modeling	88	Click here
HABs Sources & Movements	148	Click here
HABs & Safe Drinking Water	96	Click here
HABs Detection, Composition & Effects	72	Click here
HABs & Public Health	48	Click here
HABs Monitoring & Forecasting	65	Click here
HABs Sources & Toxicity	51	Click here
HABs: Educate & Engage	140	Click here

Join our List-serv!

To join our list-serv and receive announcements from the HABs Collaboratory, please email Ken Gibbons (kgibbons@glc.org) and he will add you to the list.