

## HABs Collaboratory Update

### May 2016

Welcome to the HABs Collaboratory! This is the first update of this growing group since the [kickoff meeting](#) in December 2015. We envision this to be the first of periodic updates of the HABs Collaboratory to share subgroup activities, upcoming events, and HABs related news items.

#### What's Happened Since December?

More than 60 people gathered at NOAA's Great Lakes Environmental Research Laboratory on December 15, 2015 to share research, ideas, and information needs related to HABs in the Great Lakes. Five key themes emerged from that meeting as deserving more focused attention: **Toxicity: N-Cycling; Mythbusters; Common Conceptual Model; and Communications.** Subgroups are being formed to enable collaborators to share research and ideas related to that particular topic.

The Communications subgroup is soon to formally announce the State of the Science Webinar Series (see details below), while other subgroups are still being formed. We also have a new HABs Collaboratory web page: [glc.org/projects/water-quality/habs/](http://glc.org/projects/water-quality/habs/) where we will post information created by the HABs Collaboratory as it becomes available.

Share your HABs news, articles or information to share by sending an email to the Collaboratory listserv: [habscollaboratory@great-lakes.net](mailto:habscollaboratory@great-lakes.net). Information sent to this listserv will go the 150-plus HABs researchers and practitioners across the Great Lakes Basin that have expressed interest in being part of the HABs Collaboratory. To find out who you all are or connect with individual members, the group list is on our HABs Collaboratory Google Drive. This list is presently accessible only to those who have expressed interest in being part of the HABs Collaboratory. You can also send update content to the core team at [gl.habs.collaboratory@gmail.com](mailto:gl.habs.collaboratory@gmail.com). We will use information from your postings to develop these periodic updates.

**Subgroups update****State of Science Webinar Series:**

*Team members: Chris Winslow, Ed Verhamme, Melanie Adam and Mary Anne Evans*

This webinar series will focus on the latest research on different topics related to HABs. It will kick off in the beginning of June and will go through the summer with a total of 8 one-hour webinars by mid-September. These webinars will have a speed-talk format: 8 researchers, 5 minutes each, followed by a 15 minutes discussion. Topics and dates are listed below:

Topic	Date	Registration link
<b>HABs Data &amp; Modeling</b>	Thursday June 2nd, 1-2 pm (EDT)	<a href="https://attendee.gotowebinar.com/register/4934548086951369985">https://attendee.gotowebinar.com/register/4934548086951369985</a>
<b>HABs Blooms Sources &amp; Movements</b>	Thursday June 23rd, 1-2 pm (EDT)	<a href="https://attendee.gotowebinar.com/register/5051739533801558532">https://attendee.gotowebinar.com/register/5051739533801558532</a>
<b>HABs &amp; Safe Drinking Water</b>	Thursday July 7th, 1-2 pm (EDT)	<a href="https://attendee.gotowebinar.com/register/6518247252208299524">https://attendee.gotowebinar.com/register/6518247252208299524</a>
<b>HABs Blooms Monitoring &amp; Forecasting</b>	TBD	
<b>HABs Blooms Sources &amp; Toxicity</b>	TBD	
<b>HABs &amp; Public Health</b>	TBD	
<b>HABs Blooms Detection, Composition &amp; Effects</b>	TBD	
<b>HABs: Educate &amp; Engage</b>	TBD	

If you haven't already received an invitation, but are interested in presenting for one of these topics (we still have some spots open for each webinar!) feel free to contact us.

**Conceptual Model:**

*Team members: Craig Stow, Joe Depinto, John Bratton, Tomena Scholze and Mary Anne Evans*

The aim of this subgroup is to develop a common conceptual model as a basis for understanding HABs in the Great Lakes. The conceptual model team met on February 29th to discuss the direction and objectives of the workgroup. We decided to focus on developing a set of conceptual models of varying

degrees of complexity so that a user could “zoom in” on parts of the model of interest to them or “zoom out” to see just the most important relationships. Our end goal is to have an interactive model interface with links to supporting information in each node or path. To collaborate on this topic, go to our Conceptual Model google drive where we have assembled example models with varying levels of complexity.

**Toxicity:**

*Team members: Heather Raymond, Paul Zimba, Greg Boyer, Judy Westrick, Tim Davis, Amy Jo Klei and Pattama Ulrich*

At the December meeting, there was discussion of sharing ideas, methods and analysis about toxicity measurement amongst interested researchers, as well as compiling methods of analysis for toxins. A conference call was initially suggested for the member of this subgroup, and an alternative with using webinar has also been suggested. To collaborate and share ideas go to our Toxicity workgroup google drive.

**N-Cycling:**

*Team members: Silvia Newell, Greg Boyer, Sue Watson and Bob Sterner (Suggested: Tim Davis, Justin Chaffin and George Bullerjahn)*

At the December meeting, there was interest for forming a subgroup to work on a synthesis of the work done on N-Cycling. Silvia has suggested IAGLR as good venue to discuss content and participation for the development of a webinar on the importance of N-Cycling in the Great Lakes, past research and ongoing research to address this issue. If you are interested by this topic, please let us know and don't hesitate to collaborate and share ideas on our N-Cycling workgroup google drive.

**“Mythbusters”:**

*Team members: Mark Rowe, Doug Kane, Joe Ortiz, Sue Watson and Tom Bridgeman (Suggested: George Bullerjahn, Mike McKay and Greg Boyer)*

At the December meeting, this group suggested to work on a synthesis paper focusing on myths about HABs. Since then, a handout produced earlier by some members of the group was suggested as a basis to work from.

A suggestion has been made to the subgroup to recruit an interested student or fellow - through the Sea Grant network for example - to write the core of the paper, with the “Mythbusters” subgroup acting as a support and advisory resource. If you are interested to write, to participate, or to share ideas in this collaborative effort, please let us know and don't hesitate to go to our Mythbusters workgroup google drive.

**Collaboration and Communication:** In addition to the webinar series to collaborate and communicate, we are currently using google drive folders to share documents and collaborate in the different

subgroups. However, we are looking at other platforms and options for communication, collaboration and sharing. Stay tuned, we will be sending you a **survey** in the next month or so to have your opinion on this topic!

Other periodic updates that should be on the list? Let us know! Email [gl.habs.collaboratory@gmail.com](mailto:gl.habs.collaboratory@gmail.com).

### **Coming up Next: HABs Social at IAGLR**

**IAGLR '16 - HABs Collaboratory Social:** The HABs Collaboratory is having its first informal social gathering event at IAGLR! Join your HABs Collaboratory colleagues for some networking. Details are below:

**What:** HABs Collaboratory Social @ IAGLR 2016

**Who:** All IAGLR 2016 attendees

**Date:** Tuesday, June 7, 2016

**Time:** 8PM to ?

**Location:** The Shakespeare Arms (35 Harvard Rd, Guelph) <http://www.shakespearearms.com/>

If you plan to attend, please RSVP to Ed Verhamme ([everhamme@limno.com](mailto:everhamme@limno.com)) or via the Facebook event <https://www.facebook.com/events/528827353992575/>

The goal of this social is to facilitate interactions amongst conference attendees and HABs Collaboratory members in attendance. This event is open to ALL attendees that have an interest in gathering to discuss HABs issues over some snacks and drinks. The pub is located right next to the University with a great atmosphere.

### **Other HABs-related Listservs**

Other interesting HABs-related Listservs for which you might want to register:

-[GLIN announce](#)

-[EPA's CyanoHABs Newsletters](#)

-[Lake Erie HABs Bulletin](#)

-[Great Lakes Region: Quarterly Climate Impacts and Outlook](#)