2017 GLSGN MEETING

Cleveland, Ohio

June 5-8

AGENDA

Sea Grant
Great Lakes Network

Agenda

Sunday, June 4

5:00 – 7:00 p.m.	Registration Table Open

Monday, June 5

All field trips meet at hotel's valet entrance (east side of hotel)

6:00 a.m.	Fishing Day Trip Departure
8:00 a.m.	Stone Laboratory Visit Departure
1:00 p.m.	Sustainability Bike Tour Departure
5:00 – 7:00 p.m.	Registration Table Open
7:00 – 9:00 p.m.	Welcome and Conference Opening at Nuevo Modern Mexican Heavy appetizers provided 1000 East 9th Street, Cleveland, OH 44114

Tuesday, June 6

7:00 – 8:00 a.m.	Registration Table Open
8:15 a.m.	Welcome and Opening Remarks in Great Lakes Ballroom **Chris Winslow**, *Director, Ohio Sea Grant*
9:15 a.m.	National Sea Grant Office Update **Jonathon Pennock**, *Director, National Sea Grant*
9:45 a.m.	NOAA Office Updates **Jennifer Day**, *Regional Coordinator, Great Lakes Environmental Research Laboratory* **Rochelle Sturtevant**, *Regional Sea Grant Extension Educator, Michigan Sea Grant* **Lori Cary-Kothera**, *Operations Manager, NOAA Office for Coastal Management*
10:30 a.m.	Additional Opening Remarks **Lt. Governor Mary Taylor**
10:45 a.m.	Refreshment Break
11:00 a.m.	**Group Meetings (Breakout Session 1)** • Extension Program Leaders: *Cuyahoga Room 323* • Directors: *Presidential Suite 309* • Communicators: *Great Lakes Ballroom* • Clean Marinas: *Boardroom 114*
12:15 p.m.	Conference Lunch
1:15 p.m.	Field Trip Departures All field trips meet at hotel's valet entrance (east side of hotel) • Clean Marina Tour and Boat Ride • Greater Cleveland Aquarium Tour • Cuyahoga River Area of Concern Boat Tour • Beach Clean-up and Downtown Paddle • Hydrilla Tour
5:30 – 6:30 p.m.	Poster Session
	Dinner on your own

Agenda

Wednesday, June 7

8:30 a.m.	Welcome in Great Lakes Ballroom
8:45 a.m.	**Group Meetings (Breakout Session 2)** • Coastal Storms: *Cuyahoga Room 323* • Emerging Contaminants: *Great Lakes Ballroom* • Research Coordinators: *Presidential Suite 309* • Dredging and Beneficial Reuse: *Boardroom 114*
10:10 a.m.	Refreshment Break
10:30 a.m.	**Group Meetings (Breakout Session 3)** • CHARP/Climate Resiliency: *Cuyahoga Room 323* • Fisheries and Aquaculture: *Great Lakes Ballroom* • Risk Runoff Forecasting Tool: *Presidential Suite 309* • Rethinking Presentations: How to build PowerPoint presentations that say what you mean: *Boardroom 114*
12:00 p.m.	Conference Lunch
1:00 p.m.	**Group Meetings (Breakout Session 4)** • Green Infrastructure Community of Practice: Sea Grant program efforts to mainstream Green Infrastructure: *Cuyahoga Room 323* • Sea Grant Outreach Opportunities with NOAA Digital Coast: *Great Lakes Ballroom* • Aquatic Invasive Species: *Presidential Suite 309* • Sea Grant's role in preparedness and response: Strengthening partnerships and overcoming misinformation (Crude Oil): *Boardroom 114*
2:30 p.m.	Refreshment Break
2:45 p.m.	**Group Meetings (Breakout Session 5)** • Vulnerability, Consequences, and Adaptation Planning Scenarios (VCAPS): Introduction: *Cuyahoga Room 323* • Center for Great Lakes Literacy (CGLL): *Great Lakes Ballroom* • Dangerous Currents: *Presidential Suite 309* • Cooperative Science and Monitoring Initiative (CSMI): *Boardroom 114*
4:15 p.m.	Adjourn All Meetings and Workshops
5:30 p.m.	Meet in Hotel Lobby to Walk or Drive to Ship
6:00 p.m.	Board *Goodtime III* 825 East 9th Street, Cleveland, OH 44114
6:30 – 9:00 p.m.	Conference Awards and Honors Dinner Aboard *Goodtime III*

Thursday, June 8

8:30 a.m.	Closing Remarks in Great Lakes Ballroom
8:45 a.m.	**Group Meetings (Breakout Session 6)** • Vulnerability, Consequences, and Adaptation Planning Scenarios (VCAPS): Workshop: *Cuyahoga Room 323* • Great Lakes Sea Grant/NOAA GLRL Outreach Advisory Committee Meeting: *Great Lakes Ballroom* • Social Scientists: *Boardroom 114*
10:45 a.m.	Boxed Lunch pickup and Safe Travels!

Breakout Session Summaries

Tuesday, June 6, 2017 11:00 a.m. – 12:15 p.m.

Breakout Session 1

Directors Meeting (*Breakout Session Lead: Breck Bowden*)
Great Lakes Sea Grant Directors and their designees will discuss the state of the GLSG Network, interactions with the National Sea Grant Office, collaborations with partners, and plans for the future.

Extension Program Leaders
(*Breakout Session Lead: Kris Stepenuck*)
Great Lakes Sea Grant Extension Program Leaders and their designees will discuss the state of the GLSG Network, interactions with the National Sea Grant Office, collaborations with partners, and plans for the future.

Clean Marinas (*Breakout Session Lead: Sarah Orlando*)
Learn about what other Clean Marina Programs/Initiatives are doing, share marina and boating education and outreach initiatives, and discuss how we can work together through the Great Lakes Clean Marina Network to improve our programs. All Sea Grant staff are welcome. Topics will include results and lessons learned from program evaluations, use of social media in marketing your Clean Marina Program, and discussions around establishing a sustainable Clean Marina Program through funding, staffing, and other resources.

Communicators (*Breakout Session Lead: Jill Jentes Banicki*)
Great Lakes communicators will discuss current and future collaborative projects.

Wednesday, June 7, 2017 8:45 a.m. – 10:10 a.m.

Breakout Session 2

Emerging Contaminants (*Breakout Session Lead: Marti Martz*)
We will continue building the emerging contaminants community of practice through discussion of relevant research and outreach initiatives about marine debris, antifouling paint and pharmaceuticals. Special guest Sarah Lowe from the NOAA Marine Debris Program will give an update on the NOAA Land-Based Marine Debris Action Plan. We will look toward future emerging contaminants as we receive information on the potential impacts of coal tar sealants, PBDEs and PFOAs and road salt on fresh water lakes.

Coastal Storms (*Breakout Session Lead: Julia Noordyk*)
It has been five years since the NOAA Coastal Storms Program started supporting work in the Great Lakes and Lake Champlain regions to increase community resilience to coastal storm hazards and climate change. Now that the program is in its last year, please join us to share and learn about the great work our programs are doing to reduce the impacts of coastal storms. If time allows, the session will end with a conversation about how the GLSGN sees its role in future efforts around resilience and climate.

Research Coordinators
(*Breakout Session Leads: Kristen Fussell and Jennifer Hauxwell*)
Research Coordinators will meet to discuss Great Lakes research funding priorities, potential shared initiatives, and general program updates. We will also discuss the recent aquaculture proposal submission process and share any issues related to each program's recent call for proposals.

Dredging and Beneficial Reuse
(*Breakout Session Lead: Gene Clark*)
To identify possible extension opportunities where Great Lakes Sea Grant programs can collaborate with local and regional ports, harbors and marinas concerning dredging and beneficial reuse of the dredged material. The focus will be on where science-based non-advocacy information could be useful to change potential issues into opportunities.

Breakout Session Summaries

Wednesday, June 7, 2017 10:30 a.m. – 12:00 p.m.

Breakout Session 3

Rethinking Presentations: How to build PowerPoint presentations that say what you mean
(*Breakout Session Lead: Brooke Carney*)
We're all guilty of it. We've all said while giving a presentation, "I know you can't read this fine print…," and, "Apologies for so much text on this slide…" It's hard to admit it, but we all sometimes give bad PowerPoint presentations. In this session, we will rethink the visual aids we use when giving oral presentations. We will transform some rather busy, confusing and arguably ineffective slides into ones that deliver powerful messages. We will discuss techniques to make PowerPoint presentations that strengthen and contribute to our messages, our stories.

Fisheries and Aquaculture (*Breakout Session Lead: Tory Gabriel*)
Participants will provide updates from their states on current fisheries and aquaculture projects and programming. The group will then discuss ideas and potential opportunities for GLSGN wide projects in the future. If time allows, each participant will be permitted to gloat about their most recent trophy catch (please bring photographic evidence).

CHARP/Climate Resiliency
(*Breakout Session Lead: Jesse Schomberg*)
This will be a working session for all participants in the Coastal Hazards and Resilience Planning project. We will be assessing the current status/accomplishments of the project, discuss next steps to complete the project, and identify new opportunities to work on resilience across the network. Any are welcome to participate.

Risk Runoff Forecasting Tool Information Session
(*Breakout Session Lead: Heather Triezenberg*)
Runoff from agricultural sources is associated with increased nutrient loading and associated harmful algal blooms in the Great Lakes. Michigan, Wisconsin, and Ohio are all collaborating with NOAA National Weather Service to implement the Runoff Risk Advisory Forecasting System. We will overview the Risk Runoff tool and discuss interest in expanding it basin-wide.

Wednesday, June 7, 2017 1:00 p.m. – 2:30 p.m.

Breakout Session 4

Sea Grant Outreach Opportunities with NOAA Digital Coast
(*Breakout Session Lead: Lori Cary-Kothera*)
Digital Coast is a web-based platform that provides access to data, tools, training and lots of stories about how these resources are used. Many of these resources can help support a wide range of needs in the Great Lake regions. This session will share an overview of specific resources for the Great Lakes and provide opportunities to brainstorm approaches for how Sea Grant staff could help support outreach and training efforts to use Digital Coast resources to help meet needs in the Great Lakes.

Sea Grant's role in preparedness and response: Strengthening partnerships and overcoming misinformation
(*Breakout Session Lead: Kathy Bunting-Horwath*)
The Great Lakes Sea Grant Network Crude Oil team will be joined by Mike Doig, NOAA Scientific Support Coordinator (Great Lakes) and Larissa Graham, Mississippi-Alabama Sea Grant Consortium Oil Spill Science Extension Specialist, to convey lessons learned from oil spills in the Gulf. The session goals are to learn about Gulf experiences and about spill response, identify partnerships with the response community and ways to establish or strengthen partnerships, identify best practices for effectively communicating with stakeholders and responders during a disaster, and identify opportunities for regional collaboration for disaster preparedness.

Green Infrastructure Community of Practice: Sea Grant program efforts to mainstream Green Infrastructure
(*Breakout Session Lead: John Bilotta*)
This session will present and discuss the efforts from various GLSG programs (Minnesota, Wisconsin, and perhaps others) in green infrastructure and stormwater ordinance, code and policy revisions in local communities. The session will highlight the tools and educational approaches used and successes and challenges to mainstream green infrastructure in Great Lakes communities through supportive policies and ordinances. Participants will discuss the need for and approaches to expand this work in other Sea Grant programs and with their stakeholders. By the end of the session, we hope we can identify how the SG GI Community of Practice can strengthen the resources and abilities of Sea Grant staff to meet the needs of this field of work by identifying a collaborative project or effort.

Aquatic Invasive Species (*Breakout Session Lead: Tim Campbell*)
GLSGN staff will be sharing updates on AIS activities from across the network with a specific focus on projects that are not part of the GLSGN's current GLRI grants. A local speaker will also be sharing how they work with marinas to implement the Stop Aquatic Hitchhikers campaign and to promote clean boating steps.

Breakout Session Summaries

Wednesday, June 7, 2017 2:50 p.m. – 4:15 p.m.

Breakout Session 5

The Cooperative Science and Monitoring Initiative (CSMI)
(*Breakout Session Lead: Bill Wise*)
The Cooperative Science and Monitoring Initiative (CSMI) originated in 2002 as an attempt to coordinate environmental monitoring activities on the Great Lakes. In 2006, the program was expanded to encompass coordination of research on the lakes. The focus of CSMI annually rotates among the five lakes. In summer 2017, the Great Lakes Sea Grant programs agreed to work with CSMI (with funding from the EPA Great Lakes Program Office) to develop outreach and education programs to extend CSMI-generated information to the general public and stakeholders and to organize public workshops to help develop/set priorities for upcoming CSMI lake investigations. To date, OHSG has received funds to develop materials on the 2014 investigations of Lake Erie and NYSG received funds to develop materials on the 2013 work on Lake Ontario, which will again be the focus of CSMI in 2018.
This session will describe and showcase the CSMI outreach/education materials developed to date and their planned distribution. Among the topics to be discussed as we look forward to future years of the CSMI-GLSGN association: living within a fixed and rather limited budget; other teething problems encountered in this budding association; developing standardized design/presentation approaches for CSMI-related outreach products that lend them recognition and distinctiveness; Sea Grant's role in CSMI priority-setting, etc.

Center for Great Lakes Literacy
(*Breakout Session Lead: Lyndsey Manzo*)
This session will have three main components:
Education 101: Pre-workshop surveys, pedagogy, NGSS, state standards, science practices, learning cycles, evaluation. How do you weave these together into engaging, effective, and impactful teacher workshops? Learn about the latest strategies, issues, challenges, and needs in the K-12 education world.

Updating the Matrix: Our last meeting in Vermont in 2015 resulted in the creation of "The Matrix." The model has been expanded for use nationally by Sea Grant Educators, but still has great utility on the regional level. Learn how to access and use the national matrix as well as provide input for updating our regional model.

Program Sharing: What new educational products or programs has your state produced or conducted? Each state is encouraged to bring and/or share electronically a new curriculum, professional development offering or student event. As each state shares, the rest of the group will put their recently gained knowledge to work. We'll identify the key points from the Education 101 presentation that relate to the shared piece and enter the information directly into the matrices.

Vulnerability, Consequences, and Adaptation Planning Scenarios (VCAPS): General Introduction
(*Breakout Session Leads: Seth Tuler and Rhett Register*)
Decisions about environmental hazards, especially climate change, can be extremely complex to make, and it can be difficult to generate ideas about or determine best strategies for adaptations that improve resilience. The Vulnerability, Consequences, and Adaptation Planning Scenarios (VCAPS) process is a facilitated, scenario-building activity that supports resilience discussions among decision makers and community residents to increase their understanding of scientific information, potential impacts in their communities, and the actions they can take to reduce or prevent undesirable consequences. Implemented in 17 coastal communities throughout the United States and counting, the VCAPS process is flexible for use in communities as small as Hyde County, North Carolina, or as large as the City of Boston, Massachusetts, and for hazards varying from short term flooding to long term threats to the fishing industry due to climate change. In this workshop participants will learn about the concepts informing VCAPS and how to design and implement a VCAPS process to support local community planning.

Dangerous Currents (*Breakout Session Lead: Jesse Schomberg*)
This session will highlight successes over the past few years, including the Coastal Storms-funded projects to develop media and messages, distribute safety gear and signs, and help develop the Great Lakes Water Safety Consortium. Participants will share their state's "best ideas" relating to dangerous currents, and will engage in a discussion of next steps. Now that the Great Lakes Water Safety Consortium is set up and active, what is Sea Grant's role in that? What are the big needs that we see, and are there network-wide projects relating to water safety that we should look at?

Breakout Session Summaries

Thursday, June 8, 2017 8:45 a.m. – 10:45 a.m.

Breakout Session 6

Great Lakes Sea Grant/NOAA GLERL Regional Outreach
(*Breakout Session Lead: Rochelle Sturtevant*)
The Great Lakes Sea Grant Network (GLSGN) recognizes there are a variety of common issues affecting coastal communities across our region and the importance of engaging in collaborative efforts to understand and address these issues. This session provides an opportunity to discuss priorities for regional-scale (multi-state) efforts as well as regional coordination needs.
Social Scientists (Breakout Session Lead: Elizabeth Rohring)
During this session we will discuss social science partnership and training opportunities across NOAA, learn about the NOAA social science virtual modules, and share social science projects and needs in the Great Lakes region.

VCAPS Workshop: Use and Applications
(*Breakout Session Leads: Seth Tuler and Rhett Register*)
Decisions about environmental hazards, especially climate change, can be extremely complex to make, and it can be difficult to generate ideas about or determine best strategies for adaptations that improve resilience. The Vulnerability, Consequences, and Adaptation Planning Scenarios (VCAPS) process is a facilitated, scenario-building activity that supports resilience discussions among decision makers and community residents to increase their understanding of scientific information, potential impacts in their communities, and the actions they can take to reduce or prevent undesirable consequences. Implemented in 17 coastal communities throughout the United States and counting, the VCAPS process is flexible for use in communities as small as Hyde County, North Carolina, or as large as the City of Boston, Massachusetts, and for hazards varying from short term flooding to long term threats to the fishing industry due to climate change. In this workshop participants will learn about the concepts informing VCAPS and how to design and implement a VCAPS process to support local community planning.

Our Favorite Dining Options!

Jill Bartolotta,
"I love going to Barrio because you can design your own tacos and the guacamole with pineapple salsa is amazing!!"
503 Prospect Ave. Cleveland, OH 44114
barrio-tacos.com

Scott Hardy,
"The Green House Tavern is my go-to spot on 4th Street. It is located in the heart of the action and has some of the tastiest local-sourced food in the city. Best dish to share – the roasted pig head!"
2038 East 4th Street Cleveland, OH
thegreenhousetavern.com

Tory Gabriel,
"I'd say Great Lakes Brewing Company. Probably not walkable, but good beer and good food in an old brewpub atmosphere."
2516 Market Ave. Cleveland, OH 44113
greatlakesbrewing.com

Bryan Ford,
"I don't know much about Cleveland, but once I was in Ohio City and I went to a place called Flying Fig, they had the best filet mignon that I have ever eaten."
2523 Market Ave., Cleveland, OH 44113
theflyingfig.com

Kristen Fussell,
"Market Garden Brewery has great food, a welcoming atmosphere, and best of all... great beer!"
1947 W 25th St. Cleveland, OH 44113
marketgardenbrewery.com

Sarah Orlando,
"Karl's Inn of Barristers. Awesome, family-owned restaurant with all homemade food, delicious desserts and stacked corned beef sandwiches! It's my favorite place to go for brunch/lunch before a Browns game."
West 3rd Street, Cleveland, OH 44113

For more dining options please check out your Destination Cleveland guide book or ***ccleveland.com/essential/page/visitors-guide.html***.

Meet Our Artists!

Please meet the two artists who created the beautiful artwork given to our conference attendees and Sea Grant retirees. Feel free to reach out to them for any Great Lakes imagery needs.

Marnie Karger, Great Lakes paper topography images

crafterall.com

Marnie.Karger@gmail.com

Marnie Karger is the creative force behind Crafterall, a shop featuring meticulously cut and layered paper art. Her work, specializing in topographic and bathymetric maps, has been featured in numerous craft, style and design publications, sold online and at over 30 retail locations across the country, and is still made by hand in the second-floor studio of her home in Minnesota. Marnie shares her home in Shorewood with her charming husband, two clever daughters, and a pair of retired racing greyhounds.

Haley Morris, wooden notebook covers

memorabiliaproductions.com

memorabiliaproductions@gmail.com

Haley Morris has lived and worked in Cleveland, Ohio since moving here with her family from Alabama by way of LA in 1999. “Memorabilia Productions” is the name under which she creates work like murals for businesses, custom notebook covers, accessories and even special events. “I enjoy creating things as small and personal as accessories and as large as murals and props like human-sized champagne bottle bubble machines! My ultimate goals when creating are constructing objects and experiences that are memorable and even more-so useful, something a person can take with them everywhere.”

Social Media

Share using #SeaGrantRocksCle or #GLSGN17!

Stone Laboratory, Ohio Sea Grant

@stonelab, @OhioSeaGrant

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A thank you to the following organizations for their contributions

Walt Morris of Fishin’ Boat charters

Bike Cleveland

Cleveland Metroparks

Greater Cleveland Aquarium

Destination Cleveland

Artists Marnie Karger and Haley Morris

Jared Morrison of The Ohio State University

Drury Hotel Downtown Cleveland

Nuevo Modern Mexican

Goodtime III

Catered Elegance