


# Welcome to our informational webinar for prospective investigators

December 16, 2016

## Instructions here:

- Webinar will be recorded for future reference – [seagrant.wisc.edu/rfp](http://seagrant.wisc.edu/rfp)
- You are encouraged to use the dial-in conference number: (408) 792-6300
- Please use your Attendee ID#
- Please mute your telephone/microphone**
- Use the Chat window to ask questions
- Questions will be answered in the order they are received
- Please email future questions to [jennifer.hauxwell@aqu.wisc.edu](mailto:jennifer.hauxwell@aqu.wisc.edu)



The poster features the SG logo at the top, with the text 'UNIVERSITY OF WISCONSIN SEA GRANT INSTITUTE' below it. Below the logo is a grid of four images: a person in a field, a rocky shore, a person in a boat, and a lighthouse. The main title is 'Request for Proposals 2018-20'. Below this, it lists 'PROPOSAL DUE' as 'Tuesday, January 24, 2017, 2 p.m. CST' and 'OR OVERSEAS CORRESPONDENTS'. It also states 'An informational webinar on the focus of and process associated with submitting proposals will be provided December 16, 2016, from 5-6 p.m. CST'. The 'FULL PROPOSAL DUE' is listed as 'Friday, April 28, 2017, 2 p.m. CST'. A note at the bottom says 'All Sea Grant project funds are awarded via a highly competitive process involving external peer reviews and the recommendations of external advisory panels. Our next two-year grant period begins on FEBRUARY 1, 2018.' The website 'http://seagrant.wisc.edu/rfp' is at the bottom, along with the Sea Grant logo.

# Agenda

- |                                 |                                       |
|---------------------------------|---------------------------------------|
| 1. Welcome, overview (5 min)    | Jim Hurley                            |
| 2. Research priorities (10 min) | Jen Hauxwell, David Hart, Kathy Kline |
| 4. Education proposals (5 min)  | Kathy Kline                           |
| 5. iPROPOSE (5 min)             | Tom Xiong                             |
| 6. Questions (20 min)           | All                                   |

***“UW Sea Grant pursues a mission to promote the sustainable use of Great Lakes resources through research, education and outreach. That is done to fulfill a vision of thriving coastal ecosystems and communities and drawing on the core values of service, science-based discovery to application, and research and outreach that are academically grounded, collaborative, inclusive of diversity, educational and visionary.”***



# Welcome and overview

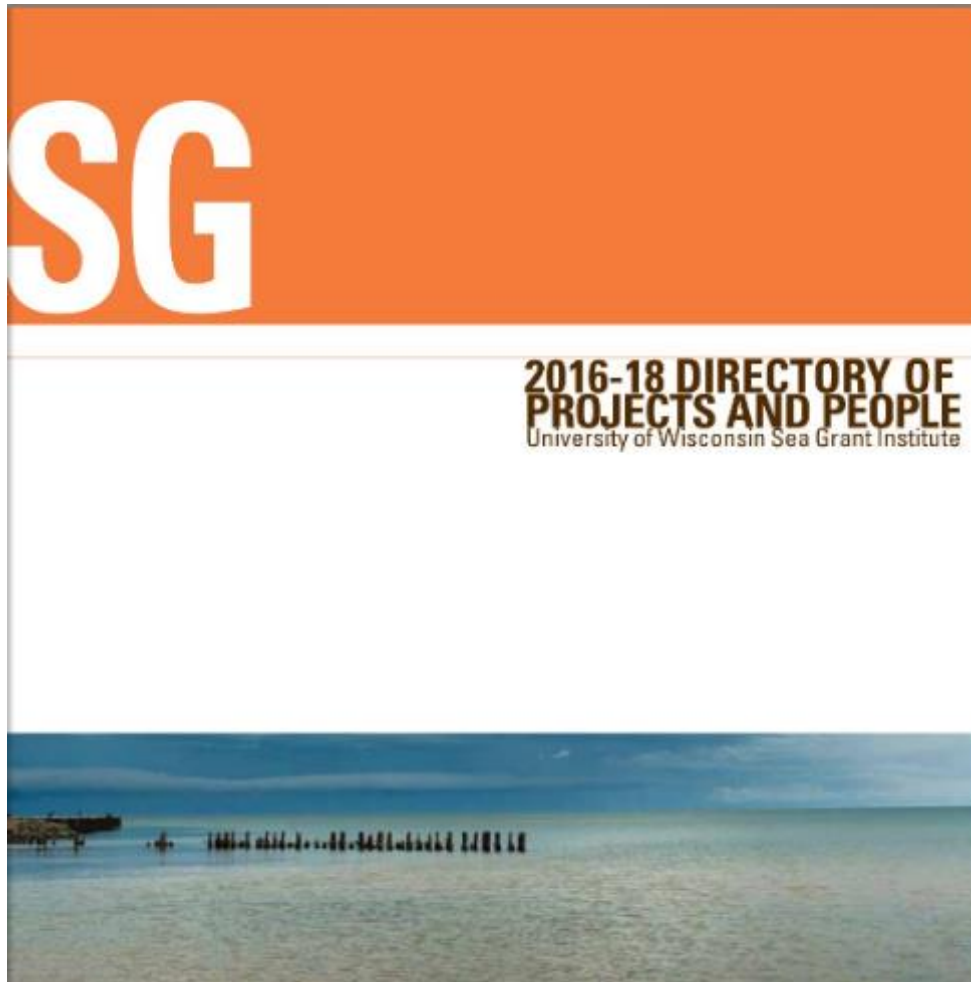
- Instructions for WebEx
  - Please mute and use chat window to ask questions
  - We plan to record and post to our website.
- Here today to share our RFP and to help you submit your best ideas
- Open to those with Principal Investigator status at a Wisconsin college or university, may partner with others
- Historically, ~\$1 million/year for approximately a dozen new projects
- Strategic planning underway; performance measures to be determined and to be shared at the full proposal stage
- New targeted focus areas, base focus area priorities, topics for joint calls
- National Sea Grant College Program will continue to run NOAA Aquaculture competition.
- At the full proposal stage, outreach components will be required – *strongly encourage you to engage stakeholders as you develop your preproposal*

# Outreach by PIs – Gold Standard



- Work with end-users of your work throughout all phases of your research, including defining the research question and project development
- Increase partnerships between natural and social science researchers
- Incorporate the arts, stories, analogies, etc. to better connect with diverse audiences
- Work with our Outreach and Communications Staff to tell your stories
- See the WI Sea Grant Actionable Science Website:  
<http://www.seagrant.wisc.edu/home/ResourcePages/Researchers.aspx>

# Current Research Projects



<http://seagrants.wisc.edu/Directory/2016-18/mobile/index.html#p=7>

- **Healthy Coastal Ecosystems** – mercury contamination, harmful algal bloom toxin detection, carbon fixation and food webs, *E. coli* and beach health, pesticides and pharmaceuticals, Lake Michigan round goby seasonal distribution
- **Sustainable Fisheries and Aquaculture** – control of fish pathogens, diagnosis and management of VHS, Lake Michigan zooplankton community structure, walleye aquaculture
- **Resilient Communities and Economies** – Geo-indicators of coastal bluff erosion, flash flooding risk assessment and forecasting, climate change adaptation in Chequamegon Bay region, hydrologic and ecologic effects of green infrastructure, shipwreck archaeology

# Proposal Process and Timeline

- RFP released December 1, 2016
- Preproposals due January 24, 2017
- Preproposals reviewed by external expert panels in February 2017 – indicates likelihood of success as full proposal to WI Sea Grant
- Full proposals due April 30, 2017
- Every full proposal receives at least three external reviews
- Technical review panels in late summer 2017. Advisory Council provides input on relevancy for strategic goals. Rankings determine final funding priorities.
- Funding begins February 1, 2018
- Some proposals could start in Year 2

# Wisconsin Sea Grant 2018-20 RFP

## **Targeted focus areas** (capped at \$120k/year):

- Green Bay Interdisciplinary Research
- Bluff, Beach and Nearshore Sediment Dynamics
- Great Lakes and Water Literacy Assessment

## **Base focus areas** (capped at \$120k/year):

- Healthy Great Lakes Coastal Ecosystems
- Sustainable Fisheries and Aquaculture in Great Lakes Region
- Resilient Great Lakes Communities and Economies

## **Special joint calls:**

- Minnesota-Wisconsin joint request – capped at \$120k/year (x2)
- Illinois/Indiana-Wisconsin joint request – capped at \$100k/year (x2)

## **Environmental Literacy and Workforce Development** (capped at \$25k/year):

- Education projects (non-research) (Kathy)

# Green Bay Interdisciplinary Research

Wisconsin Sea Grant seeks proposals to bridge natural sciences, social sciences and policy studies to **support more holistic management and restoration of Green Bay and its watershed.**





# Bluff, Beach and Nearshore Sediment Dynamics

Wisconsin Sea Grant seeks proposals that will lead to a **better understanding of how the sediment supply from coastal bluffs influences beach and nearshore sediment transport** in order to guide sound shore protection and bluff stabilization choices and build more resilient coastal communities and economies.



*A “feeder bluff” in the Town of Grafton.*

# Great Lakes and Water Literacy Assessment

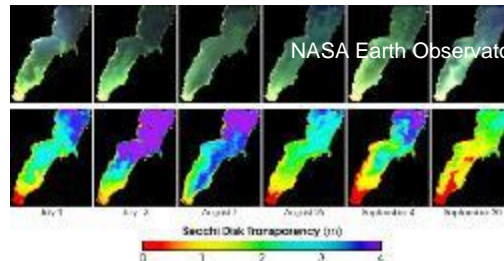
Wisconsin Sea Grant seeks proposals that will **provide robust data about the current level of Great Lakes and water literacy in Wisconsin students** to serve as a foundation for future education efforts in the state.



# Healthy Coastal Ecosystems

## HCE Research Priorities

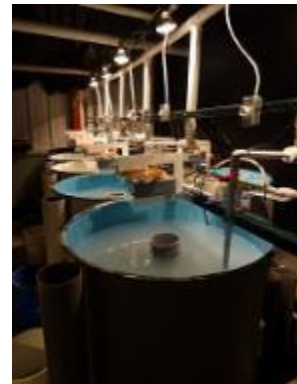
1. Environmental and socioeconomic effects of contaminants, aquatic invasive species, harmful algal blooms, bacterial outbreaks, physical processes, climate change and changes to biodiversity and ecosystem structure – ecosystem and human health
2. Innovations in measurement, predictive modeling and potential treatment or management approaches to improve health
3. Tools and approaches that can connect stakeholders
4. Increasing stakeholder access to and understanding of socioeconomic and environmental data, models and policy information that support ecosystem-based planning, decision-making and management approaches
5. Research to develop dynamic and interoperable information systems to support adaptive management of Great Lakes ecosystems
6. Helping residents, resource managers, businesses, industries and the agricultural sector understand the effects of human activities and environmental changes on coastal resources



# Sustainable Fisheries and Aquaculture

## SFA Research Priorities

1. Fisheries status and trends, measurement and modeling techniques, future scenarios, and socioeconomic costs and benefits under different management approaches and environmental conditions
2. Environmentally sustainable and robust recreational, commercial and subsistence fishery
3. Understanding threats, including, but not limited to, nutrient enrichment, invasive species, food web changes and climate change as well as effective responses
4. Barriers to expansion of the aquaculture industry in Wisconsin and implementing innovative partnerships to address scientific, business, economic, policy and legal challenges
5. Identifying Great Lakes regional aquaculture opportunities and best-management practices
6. Benefits and risks of consuming Wisconsin-produced fish
7. Behavioral and consumer sciences, consumer perception and preferences, food safety, labeling and certifications, seafood demand studies and promotion of local seafood
8. Economically viable and environmentally sustainable aquaponics operations, with an emphasis on business planning, risks and socioeconomics
9. Commercially viable and environmentally sustainable aquaculture practices and techniques, including nutritional value of feeds, broodstock selection, water supply and quality, husbandry and disease, and pest and pathogen prevention and diagnosis
10. Environmentally and economically sustainable aquaculture through workforce development and trainings, K-12 education and technical assistance
11. Expanding urban aquaculture into new markets and providing knowledge resources to existing operations
12. Investigating emerging species suitable for food fish aquaculture in Wisconsin



# Resilient Communities and Economies

## RCE Research Priorities

1. Green infrastructure development and implementation
2. Sustainable and resilient ports, harbors and marinas, including beneficial use of dredged materials
3. Innovative geodesign methods to promote resilient coastal communities
4. Fluctuating water levels, storm impacts and a changing climate
5. Subsistence, tourism and commercial and recreation-related activities in coastal communities
6. Cultural and historical resources in coastal and marine areas, including those within or adjacent to the proposed marine sanctuary
7. Community planning and visualization tools that demonstrate the benefits, risks and impacts of land use on the coastal environment
8. Evaluating the impacts of increased climate variability and change on coastal communities
9. Impacts of human activities on Great Lakes water quality and supply, as well as coastal and nearshore habitats
10. Supply and quality of fresh water using environmental and socioeconomic research approaches
11. Socioeconomic contributions of water-dependent industries



Flash flooding in the State Harbor area of the Saugatuck Islands region caused major damage and at least one fatality.

Don't miss the story: People and property in the State Harbor area were damaged by a flash flood on the Saugatuck Islands in the Saugatuck region.



# Joint Request with Minnesota Sea Grant

Integrate **environmental and socioeconomic** approaches toward solving problems for Lake Superior coastal communities in the states of Minnesota and Wisconsin, including communities bordering the St. Louis River Estuary

## Priority research areas:

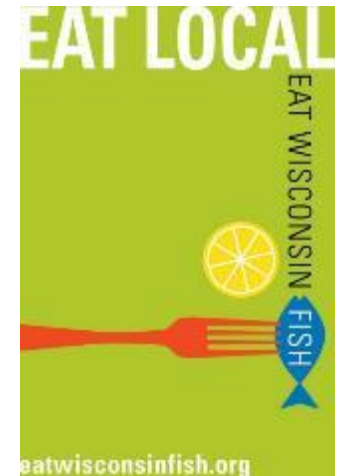
1. Sediment transport and storm effects
2. Balance between working waterfronts and a healthy St. Louis River Estuary and Lake Superior:
  - Dredging
  - Salt (marine ballast water and road salt)
  - Quantifying values of restoration
3. Socioeconomics of challenges and industries that affect water use, quality and quantity
4. Petroleum product transport near or on the Great Lakes

Valerie Brady, Minnesota Sea Grant  
[vbrady@umn.edu](mailto:vbrady@umn.edu), (218) 726-8714



# Joint Request with Illinois-Indiana Sea Grant

Examine trends in the supply, demand, and policy issues relevant to sourcing locally-produced fish and seafood by individual consumers, restaurants, institutions, and markets in the Midwest. This may include aquaculture or wild-caught fish and seafood.



## Priority research areas:

1. Assess local food systems and the feasibility of integrating produced seafood
2. Analysis of opportunities and challenges to the development of a locally-sourced seafood market
3. Identification of policies or management actions needed to catalyze seafood market development into local food systems
4. Identification of initiatives needed to encourage the demand for locally-produced seafood

# Special Joint Calls



- By working together, we can:
  - Support larger-scale projects to tackle challenges at a regional scale
  - Develop collaborations across state lines that can enrich the expertise of our within-state research teams
- Require a collaboration between a Wisconsin researcher and joint call partner (Minnesota or Illinois-Indiana researcher)
- Instructions for preproposals differ slightly between the 2 joint calls – details on pages 18 and 19 of RFP
  - MN-WI – submit 1 joint proposal via iPROPOSE
  - IL-IN-WI – submit joint proposal via iPROPOSE and identical proposal to [iisgres@purdue.edu](mailto:iisgres@purdue.edu)
  - Encourage researchers from various states to connect with their state Sea Grant lead for budget questions (MN cost to include cost of graduate student, IL-IN requires match)
- For both joint calls, please distinguish in the budget entry, what portion of the budget is for the Wisconsin-based researcher and what portion is for their other state collaborator



# Environmental Literacy and Workforce Development (ELWD)

Capped at \$25k/year (per proposal)  
Separate ELWD external review panel



## Priority education areas include:

1. Promoting Great Lakes literacy principles within formal and informal learning environments
2. Developing Pre-K-12 resources that address the Great Lakes literacy principles and support state and national educational standards
3. Incorporating innovative technologies or practices in Great Lakes education
4. Intersecting arts, sciences and humanities to inspire a science-informed society
5. Promoting place-based learning as a way to engage citizens in local stewardship
6. Identifying and promoting Great Lakes-related career pathways



# iPROPOSE

## Demonstration by Tom Xiong

**iPROPOSE**  
ASC Proposal Submission & Review

[Login](#) | [Register](#)

Friday, December 09, 2016

You are here : [Login](#)

**Announcements**

**iPROPOSE is now open for proposal submission**

**NOTE:** You must have your browser set to accept cookies in order to use this site.

**Welcome**

### iPROPOSE is Open

Welcome to iPROPOSE, a proposal submission and review system facilitated by the UW Aquatic Sciences Center, the administrative home of the Wisconsin Sea Grant (SGI) and Water Resources Institutes (WRI).

iPROPOSE is now open for the **2018 - 2020 Wisconsin Sea Grant College Program Omnibus Preproposal Submission**.

The deadline for preproposal submission is **3:00 p.m. (Central Standard Time) on Tuesday, January 24, 2017**.

To begin, you may login using the form on the right. If you have not yet created an account, click on the **Register** button next to the login button to get started.

If you have questions or comments about a proposal or proposal review that you submitted, please contact [Jennifer Hauxwell](#).

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**Proposal Reviewers:**

If you are reviewing a proposal in iPROPOSE, you should have received an email with your username and password. If you have lost your login information, or if you have questions about a proposal review that you submitted, please contact [Jennifer Hauxwell](#).

**Login**

User Name:

Password:

Remember Login

# SG|WR

UNIVERSITY OF WISCONSIN SEA GRANT/WATER RESOURCES INSTITUTES



## Find a Fellowship

Enriching experiences, exploration of aquatic science in real-world settings, plus mentoring and stipends—find a fellowship that fits your interests. Wisconsin Sea Grant/Water Resources Institute are pleased to highlight these 2017 and 2018 opportunities.

### **Dean John A. Knauss Marine Policy Fellowship** [seagrant.noaa.gov/FundingFellowships/KnaussFellowship/ProspectiveFellows.aspx](http://seagrant.noaa.gov/FundingFellowships/KnaussFellowship/ProspectiveFellows.aspx)

This competitive Sea Grant program provides a one-year internship either on Capitol Hill or with a federal agency in the Washington, D.C., area. It is strongly recommended that initial applications are submitted by Jan. 17, 2017 to be able to incorporate constructive feedback into a final submission due Feb. 10, 2017.

### **Great Lakes Commission-Sea Grant Fellowship** [glc.org/about/scholarships-fellowships](http://glc.org/about/scholarships-fellowships)

This fellow works with members of the Great Lakes' science, policy and information/education communities to advance the environmental quality and sustainable economic development goals of the Great Lakes states. Apply by Feb. 17, 2017.

### **National Marine Fisheries Service/Sea Grant Joint Graduate Fellowship Program** [seagrant.noaa.gov/FundingFellowships/NMFSSGFellowship.aspx](http://seagrant.noaa.gov/FundingFellowships/NMFSSGFellowship.aspx)

This fellowship is open to U.S. citizen Ph.D. candidates who wish to pursue work in population dynamics and marine resources economics in a summer experience under the supervision of the National Marine Fisheries Service. Apply by Jan. 27, 2017.

### **NOAA Coastal Management Fellowship** [coast.noaa.gov/fellowship](http://coast.noaa.gov/fellowship)

This two-year fellowship provides on-the-job education and training opportunities in coastal resource management and policy for post-graduate students. Apply by Jan. 20, 2017.

### **J. Philip Keillor Wisconsin Coastal Management-Sea Grant Fellowship**

Wisconsin Sea Grant and Wisconsin Coastal Management Program are excited to offer a fellowship for postgraduate students, named in honor of Phil Keillor, an esteemed Great Lakes coastal engineer who worked nearly 30 years for Wisconsin Sea Grant. This one-year fellowship provides on-the-job education and training opportunities in coastal resource management and policy, hosted at the Wisconsin Coastal Management Program. Check [go.wisc.edu/7x4056](http://go.wisc.edu/7x4056) for more information in early 2017.

### **Wisconsin Water Resources Policy Fellowship**

The Wisconsin Water Resources Institute is teaming up with the Wisconsin Department of Natural Resources to provide this one-year fellowship. This opportunity provides on-the-job training in water resources, science and policy at the DNR. Check [wri.wisc.edu](http://wri.wisc.edu) for deadline information in early 2017.

Further details can be found at the "students" tab at [seagrant.wisc.edu](http://seagrant.wisc.edu).

Listen to the fellowships podcast at [go.wisc.edu/15kca7](http://go.wisc.edu/15kca7)

Read blog posts from current and previous fellows at [go.wisc.edu/31mc1q](http://go.wisc.edu/31mc1q)

Watch a video about our fellows [go.wisc.edu/9536g6](http://go.wisc.edu/9536g6)

# Please help us share these national and state student opportunities

# Meet Our 2016-17 Cohort of Fellows!



# Questions?

# Thanks!

Feel free to contact us or any members of our staff with questions as you develop your preproposals

[jennifer.hauxwell@aqu.wisc.edu](mailto:jennifer.hauxwell@aqu.wisc.edu), (608) 263-4756

<http://seagrant.wisc.edu/home/> - staff directory

[seagrant.wisc.edu/rfp](http://seagrant.wisc.edu/rfp)