

ILLINOIS-INDIANA SEA GRANT
(IISG) PROGRAM
2010 NSGO REVIEW

Miguel A. Lugo

Illinois-Indiana Sea Grant



ILLINOIS

PURDUE
UNIVERSITY

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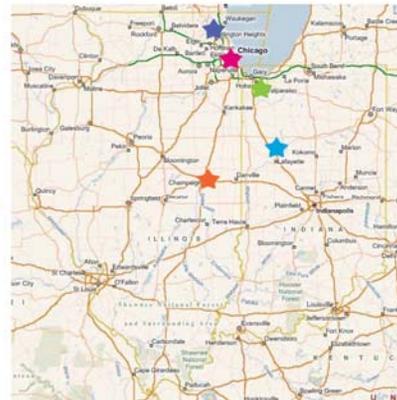
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Program Management

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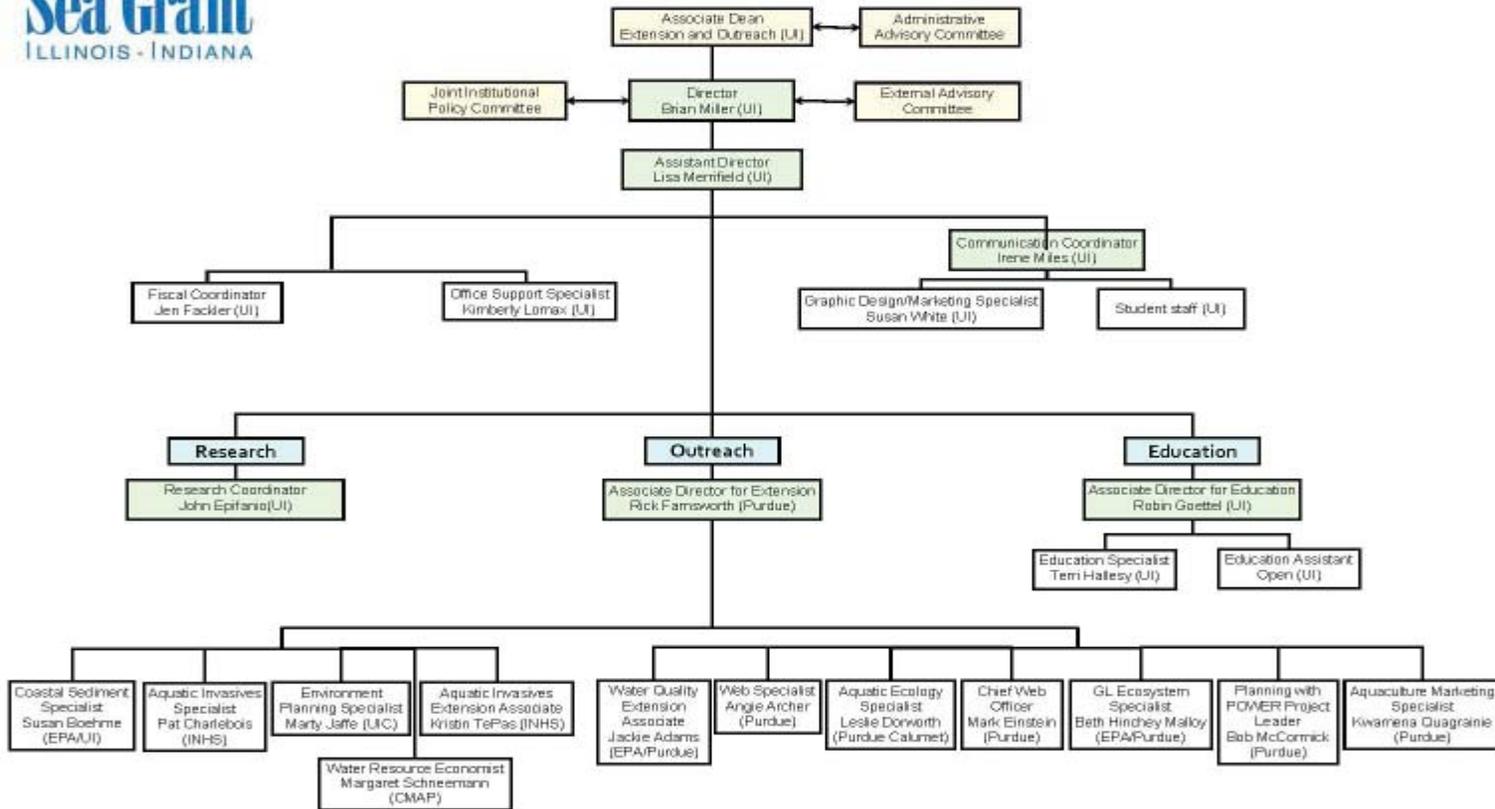
□ Management Team

- Director, **Brian Miller**, (1.0 FTE)
- Assistant Director, **Lisa Merrifield**, (0.5 FTE)
- Research Coordinator, **John Epifanio**, (0.3 FTE)
- Communications Coordinator, **Irene Miles**, (0.75 FTE)
- Associate Director for Extension, **Open**, (0.5 FTE)
- Associate Director for Education, **Robin Goettel**, (1.0 FTE)

Program Organizational Chart

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Extension Program

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- University of Illinois (UI) employees, are given extension appointments and have the same status as any other campus based specialist.
- Two UI employees (aquatic invasive specialists) are in the UI Natural History Service.
- Employees of Purdue are part of the Department of Forestry and Natural Resources
- The IISG outreach coordinator reports directly to the Purdue Cooperative Extension Service.
- The IISG director reports to the Dir of Extension at the UI.
- This formal relationship allows for the outreach staff to have access to extension specialist in two states.

Program Management – Advisory Board

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- **Administrative Advisory Committee (meets semi-annually)**
 - committee is responsible for oversight of IISG regarding strategic matters, long term direction and stakeholder engagement
- **Joint University Policy Committee (meets annually)**
 - reviews program accomplishments and direction, funding outlook, and consider alterations required in institutional partnership arrangements to maintain the IISG program.
- **External Advisory Committee (meets annually)**
 - comprised of industry, conservation, community, agency, and political leaders representing the bi-state region

Institutional Setting

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- Institutional support for IISG comes primarily from Purdue University and the University of Illinois.
- IISG Staff located primarily at University of Illinois, Purdue University and the Great Lakes U.S. EPA Office.
- Responsibility for the fiscal and management of the IISG program is with the University of Illinois, Office of Business and Financial Services, Grants and Contracts

State Sea Grant Program Plan – Estimated 4 –yr Budget Allocation by Focus Area

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National Focus Area	Focus Area from Program Strategic Plan	*Estimated Level of Effort of Federal, Match and Leveraged (%)	*Estimated Level of Effort of Federal and Match (\$)	*Estimated Level of Effort of Leveraged (\$)
Safe & Sustainable Seafood Supply	Aquaculture, Fish Consumption	23%	\$1,276,736	\$420,516
Sustainable Coastal Development	Land Use Planning, Water Supply	43%	\$2,768,673	\$433,752
Healthy Coastal Ecosystems	AIS, Water Quality, Sensible Disposal, Great Lakes Literacy, Great Lakes Health, Coastal Restoration	30%	\$1,762,473	\$500,000
Hazard Resiliency in Coastal Communities		5%	\$50,000	\$300,000
Total		100%	\$5,857,882	\$1,654,268

* Percentages and dollars amounts are based of the 2009-2013 alignment information

Performance Measure/Outcome Highlights

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- **Healthy Coastal Ecosystem Outcome:** Students and their families will understand the impact of their behavior on the Lake Michigan coastline and how to minimize it.
- **Sustainable Coastal Development Outcome:** Communities along southern Lake Michigan will incorporate natural resource management strategies into comprehensive land use planning and implementation efforts.
- **Safe, Sustainable Seafood Supply Outcome:** A robust aquaculture industry will exist in Illinois and Indiana.

Major Partners

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- Staff reside in the Great Lakes National Program Office at U.S. EPA, in the Chicago Metropolitan Agency for Planning, at Purdue Calumet, in the Illinois Natural History Survey, the University of Illinois at Chicago, and the Chicago Botanic Gardens.
- Indiana DNER and Illinois DNER
- Council of Great Lakes Governor
- Northwestern Indiana Regional Planning Commission
- Chicago Metropolitan Agency for Planning
- Mayor of Lake County, IN
- Commissioner of the Dept of Environment in Chicago
- NOAA, EPA, Great Lakes Environmental Research Lab,

2008/2009 Network Activities

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- Marty Jaffe serves on the Sustainable Coastal Development Focus Team.
- Brian Miller served as:
 - a reviewer in the Knauss Sea Grant Class of 2008 selection panel
 - Co-chair of the sustainable coastal development focus team
 - Sea Grant director on the Great Lakes Regional team
 - An instructor for the Sea Grant Academy
 - The Sea Grant Association Program Management Committee – Education Liaison

2010 RFP Process

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- ▣ Two step process, technical peer reviewed and expert panel included in the discussion and selection of projects.
- ▣ The focus of the RFP was determined by input from the Great Lakes Regional Research Information Network
- ▣ Two thematic areas 1) nearshore community monitoring and indicators, and 2) nutrient loads associated with severe rain events.
- ▣ One research project selected
- ▣ Collaboration to fund a regional project with WISG

2008/2009 Program Metrics – Awards and Honors

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- IISG was presented with a 2009 Education and Public Service Award from the Universities Council on Water Resources (UCOWR) at the organization's annual meeting in Chicago in July.
- Illinois-Indiana Sea Grant's Nab the Aquatic Invader! Playing Cards has won a 2009 APEX Award for Publication Excellence in the category One-of-a-Kind Environmental Publications.
- Illinois-Indiana Sea Grant (IISG) aquaculture marketing specialist Kwamena Quagraine has been awarded the Distinguished Early Career Award by the U.S. Aquaculture Society (USAS).
- Illinois-Indiana Sea Grant (IISG) sediment specialist Susan Boehme and her colleagues at the U.S. EPA Great Lakes National Program Office (GLNPO) have won the National Association of Environmental Professionals 2009 National Environmental Excellence Award for their remediation project on the Tannery Bay/Wetland in Sault Ste. Marie, Michigan.

2008/2009 Highlights of Metrics

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- 50 organized/sponsored meetings, reaching 1552 people
- 120 public presentations, reaching 19,850 people
- 76 new publications in 2008
- 4 Knauss Sea Grant Fellows

2008/2009 Program Impacts

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- IISG engages the pet industry to prevent the spread of AIS
- IISG helped organize the collection of over four million pills and four million pounds of e-waste
- IISG training leads to successful aquaculture business
- IISG helps Illinois aquaculture businesses connect with key markets
- IISG informs regional water supply planning

2008/2009 Research Accomplishments

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- Found that flood peaks in the Chicago area are higher than estimates currently used by water managers. Underestimating or overestimating 100-year flood levels can result in large economic losses or increased environmental degradation.
- Developed a quicker, more accurate method of measuring toxic methylmercury concentrations in wetlands, which can better inform natural resource management decisions.

Best Management Practices

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- IISG connects research and outreach
- IISG coordinated its 2009 RFP with Wisconsin through GLRRIN and funded a regional project to address the Lake Michigan food web
- IISG houses 3 staff members at EPA's Great Lakes National Program Office through an interagency agreement. The staff members serve as Sea Grant liaisons to the program. IISG recently instituted a similar position with the Chicago Metropolitan Agency for Planning.