

Illinois-Indiana Sea Grant 2012 NSGO Review

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IL-IN Management

- Management staff
 - Brian Miller, Director 1.0 FTE
 - Lisa Merrified, Assistant Director, .50 FTE
 - Thomas Hook, Research Coordinator .30 FTE
 - Irene Miles, Communications Coordinator .75 FTE
 - Robin Goettel, Associate Director for Education, 1.0 FTE
 - Martin Jaffe, Extension Program Leader, .30 FTE
- Size of Program – Small

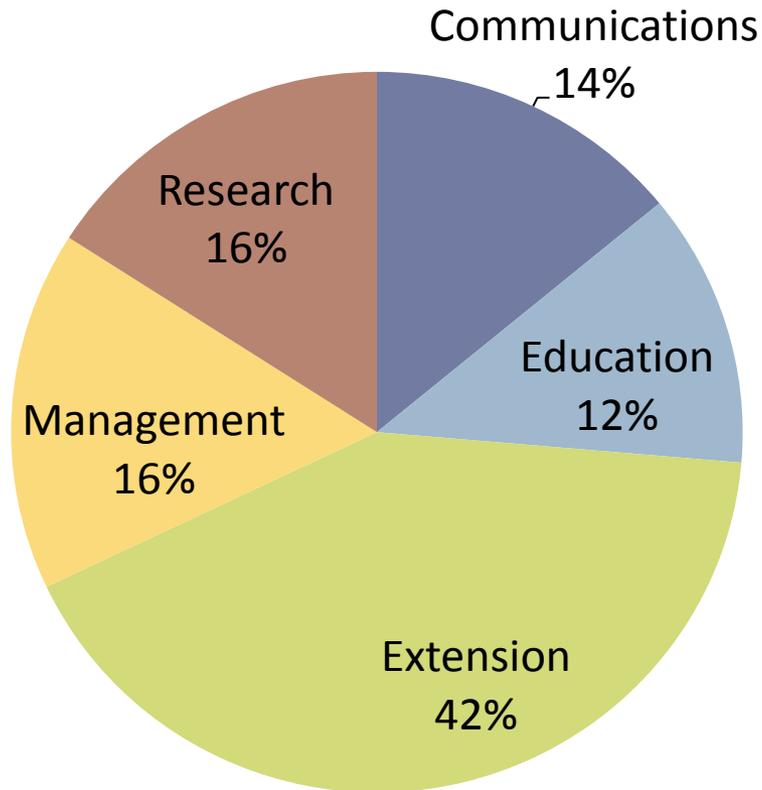
IL-IN Management

- Total FTEs on staff (information in Annual report metrics)

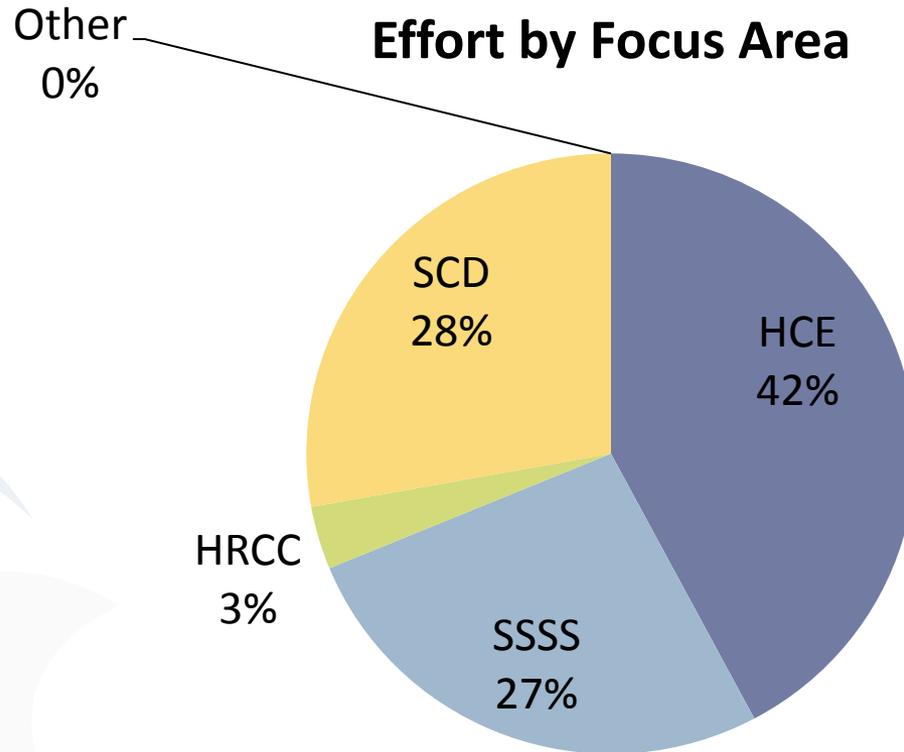
Functional Area	# of individuals	# of FTEs supported by SG	# of FTEs supported by match/leverage
Mgt/Admin	4	1.5	1.6
Comm.	2	1.5	0
Ext.	13	3.54	7.13
Education	2	0	2
Research	81	5.65	1.17

IL-IN Omnibus Core Budget towards each Functional Area

Effort by Functional Area



IL-IN Budget towards each Focus Area



Significant IL-IN Changes

(since Jan. 2011)

- Hired 10 new staff members (replaced 1 retirement, 4 vacancies from personnel moves, 5 positions resulting from grant funding)
- Tomas Hook and Carolyn Foley, Research Coordination
- Martin Jaffe, Extension Program Leader
- Miller named interim Director of Illinois Water Resource Center
- Angela Archer assumed Knauss coordination duties

IL-IN Program RFP Process

- Development proposals
 - Request preproposals: 90-2 and 90-4
 - Solicit subject experts to serve as reviewers
 - Each expert reviews and scores 3-6 preproposal documents
 - Convene review panel where group discusses all projects and makes recommendations for funding
- CORE proposals (GLRRIN, jointly-funded with WISG)
 - Request pre proposals: 2-page project description and preliminary budget
 - Pre proposals reviewed and ranked by representatives from GLRRIN Lake Michigan partners (USGS, GLERL, GLNPO, WISG, IISG)
 - Invite full proposals based on panel recommendations
 - Ask subject experts outside of IL, IN and WI to review and score one full proposals (3 experts per proposal)
 - Ask GLRRIN partners to participate in review panel; reviewers see all full proposals plus reviewer comments, make recommendations to WISG and IISG

RFP Process for 2012-2013 Projects – Research Metrics

Core Proposals Development	# of Proposals	# of institutions	# of home institutions
Full proposals submitted	22	9	2
Proposals Funded	10	7	1

Core Proposals Joint Omnibus with WSG	# of Proposals	# of institutions	# of home institutions
Pre-proposals submitted	6	9	1
Full proposals submitted	2	5	0
Proposals Funded	1	2	0

Contribution to National Performance Measures and Metrics

Focus Area	Metric	Actual
All	Businesses Created –Economic Benefits derived from Sea Grant Activities	2
All	Number of tools, technologies, and information services that are used by NOAA partners/customers to improve ecosystem-based management	18
All	Number of coastal communities who have adopted/implement sustainable - economic and environmental - development practices and policies (e.g., land-use planning, working waterfronts, energy efficiency, climate change planning, smart growth measures, green infrastructure) as a result of Sea Grant activities.	12

IL-IN SG Impacts

- Two new shrimp farms start up in Indiana
 - Illinois-Indiana Sea Grant holds workshops and hands-on training to introduce potential aquaculture producers to technical and practical aspects of the business.
 - 2010 saw the start of two new shrimp farms. RDM Shrimp <http://www.rdmshrimp.com> in Fowler is a new family-owned aquaculture business.
 - The first sale was in December 2010. Bedrock Springs Seafood Farm at Ladoga is now selling Pacific white shrimp raised indoors without the use of chemicals or industrial oxygen.

IL-IN SG Impacts

- Sea Grant Workshops Guide Dam Removal Decision Process
 - Dams built in Illinois and Indiana over the past 200 years have stood well beyond their life span
 - Has sponsored a series of workshops to inform natural resource managers and others about a variety of stream restoration options and techniques
 - Local officials used Sea Grant information to remove/modify old dams.
 - Funding from the Great Lakes Fishery and Ecosystem Restoration Program, a section of the dam at Red Mill Pond was removed, the original stream channel was restored, and more than 100 acres of high quality wetlands preserved.
 - These wetlands serve as the headwaters to the Little Calumet River and are critical to the health of the watershed.

II-IN SG Impacts

- Sea Grant Provides Medicine Collection Boxes to 15 Communities
 - Pharmaceuticals have been detected in lakes and streams and in drinking water throughout the country
 - Illinois-Indiana Sea Grant has partnered with the Prescription Pill and Drug Disposal Program to help develop permanent collection programs in Great Lakes communities
 - Sea Grant has purchased 15 medicine collection boxes—six of those in 2010--for communities in Illinois, Indiana and Wisconsin, which now have ongoing pharmaceutical collection programs
 - Collected 4,600 pounds of medicine in ongoing collection programs.

II-IN SG Impacts

- **Kenya, Ghana develop baitfish and food fish businesses**
 - Business knowledge has been one major constraint to aquaculture development in Africa
 - Aquaculture can play a role in helping to protect the threatened native shark-tooth catfish in Lake Victoria which is used for baitfish.
 - With funding from USAID and expertise from Illinois-Indiana Sea Grant, fish farmers in both Ghana and Kenya were trained in all aspects, Marketing, Hatchery technology, Pond Construction and breeding.
 - Bait traders who usually did not have income during the closed season on Lake Victoria now are able to farm and supply bait fish throughout the year reducing the exploitation on local stocks

IL-IN SG Impacts

- Sea Grant reduces Invasive Species invasions
 - Water Gardens are often a source of Invasive Species Invasions
 - In Indiana, several water garden plant suppliers are have stopped growing or selling invasive plants and are educating customers to avoid invasives as a result of Sea Grant education efforts.

2010 Research Accomplishments

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- Green infrastructure becomes policy in Illinois
 - Illinois-Indiana Sea Grant was funded by Illinois EPA to study the standards and costs of green infrastructure as a possible replacement for supplement to conventional urban storm water infrastructure
 - Sea Grant found on average, green infrastructure practices are just as effective as conventional storm water infrastructure, and are less expensive
 - \$5 million discretionary fund was established by the Illinois General Assembly to support green infrastructure.
 - The Chicago Metropolitan Agency for Planning 2040 Regional Comprehensive Plan, adopted in the fall of 2010, recommended incorporating green infrastructure practices in future development.

2010 Research Accomplishments

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- Chemicals from X-rays may be Toxic in Drinking Water
 - University of Illinois geneticist Michael Plewa's recent studies have revealed that pharmaceuticals that accumulate in drinking water sources can lead to toxic side effects during the disinfection process
 - found that water near hospitals can contain disinfection by-products due to iodinated x-ray contrast media (ICM) that is found in wastewaters from hospitals
 - treatment plants are unable to completely remove it from drinking water
 - While ICM is nontoxic, it is converted into toxic materials during drinking water disinfection.