



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2019-2020

LFIR#: 1561

1. Title of Project: Florida International University - Invasive Species Research Consortium

2. Senate Sponsor: Gary Farmer

3. Date of Submission: 02/14/2019

4. Project/Program Description:

Develop a Research Consortium for investigating the control of invasive marine species through market-based solutions. Invasive species represent a significant threat to the marine resources of Florida (e.g. predation on native species by lionfish). The Research Consortium will be based at FIU (but include researchers from eg. University of Miami, FAU and Nova Southeastern), and address questions such as controlling invasive species by profitable fishing and culls, and predicting future threats.

5. State Agency to receive requested funds : Fish and Wildlife Conservation Commission

State Agency Contacted? No

6. Amount of the Nonrecurring Request for Fiscal Year 2019-2020

Type of Funding	Amount
Operations	1,102,500
Fixed Capital Outlay	
Total State Funds Requested	1,102,500

7. Total Project Cost for Fiscal Year 2019-2020 (including matching funds available for this project)

Type of Funding	Amount	Percent
Total State Funds Requested (from question #6)	1,102,500	100.00%
Federal	0	0.00%
State (excluding the amount of this request)	0	0.00%
Local	0	0.00%
Other	0	0.00%
Total Project Costs for Fiscal Year 2019-2020	1,102,500	100.0%

8. Has this project previously received state funding? No

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	NonRecurring		

9. Is future-year funding likely to be requested? Yes

a. If yes, indicate non-recurring amount per year. 1102500

10. Details on how the requested state funds will be expended



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Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits	We request a partial salary and fringe costs to support a Consortium Director to oversee research, build new partnerships, and co-ordinate outreach and education.	25,000
Other Salary and Benefits	We request partial salary and fringe costs for administrative support within the Consortium.	60,000
Expense/Equipment/Travel/Supplies/Other	We request funds to support the Consortium Director to attend meeting, conferences, and workshops to disseminate information about the Consortium and build new partnerships.	7,500
Consultants/Contracted Services/Study		
Operational Costs:		
Salary and Benefits	We request partial salary and fringe costs to cover the time of faculty within the consortium (100,000) We request salaries and fringe costs for 5 PhD students within the consortium (40,000 pa) We request salaries and fringe costs for 3 post-doctoral researchers within the consortium (70,000 pa)	510,000
Expense/Equipment/Travel/Supplies/Other	We request tuition costs for the 5 PhD students (30,000 pa) We request funds to support the field research and travel of the PhD students and post-doctoral researcher, and outreach activities of the Consortium (250,000) We request funds to support developing technological solutions to lionfish, including robots and traps for catching lionfish (100,000)	500,000
Consultants/Contracted Services/Study		
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering		
Total State Funds Requested (must equal total from question #6)		1,102,500

11. Program Performance:

a. What is the specific purpose or goal that will be achieved by the funds requested?

Develop a Research Consortium for investigating the control of invasive marine species through market-based solutions. Invasive species represent a significant threat to the marine resources of Florida (e.g. predation on native species by lionfish). The Research Consortium will be based at FIU (but include researchers from eg. University of Miami, FAU and Nova Southeastern), and address questions such as controlling invasive species by profitable fishing and culls, and predicting future threats.

b. What are the activities and services that will be provided to meet the intended purpose of these funds?

Training of PhD students in research associated with invasive species; Outreach material to general public; Incorporation of results in undergraduate teaching; Improved insights into how market-based solutions can



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provide increased benefits for humans and nature by reducing populations of invasive species and increasing populations of native species; Predict future threats from new invasive species

c. What are the direct services to be provided to citizens by the appropriations project?

Protection of marine resources of Florida

d. Who is the target population served by this project? How many individuals are expected to be served?

Tourist and citizens of the state of Florida.

e. What is the expected benefit or outcome of this project? What is the methodology by which this outcome will be measured?

Number of PhD students graduating through Consortium; Number of outreach activities; Number of lectures provided; Increase in fishing or culling activities; Sales of lionfish and other invasive species and resulting income to fishers; Monitoring of fish populations; Increased awareness of future threats; Number of scientific papers published; Number of jobs created; Income generated by new jobs

f. What are the suggested penalties that the contracting agency may consider in addition to its standard penalties for failing to meet deliverables or performance measures provided for in the contract?

No future funding

12. The owner(s) of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owner(s) of the facility and the entity.

N/A

13. Requestor Contact Information:

- a. **Name:** Alastair R. Harborne
- b. **Organization:** FIU
- c. **E-mail Address:** aharborn@fiu.edu
- d. **Phone Number:** (305)965-5581

14. Recipient Contact Information:

- a. **Organization:** FIU
- b. **County:** Miami-Dade
- c. **Organization Type:**
 - For Profit
 - Non Profit 501(c) (3)
 - Non Profit 501(c) (4)
 - Local Entity
 - University or College
 - Other (Please specify)
- d. **Contact Name:** Alastair R. Harborne



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e. **E-mail Address:** aharborn@fiu.edu

f. **Phone Number:** (305)965-5581

15. Lobbyist Contact Information

a. **Name:** Chris Cantens

b. **Firm Name:** FIU

c. **E-mail Address:** ccantens@fiu.edu

d. **Phone Number:** (305)348-3505