

REQUEST FOR PROPOSALS

UNIVERSITY OF PUERTO RICO SEA GRANT COLLEGE PROGRAM

DUE: February 28, 2005

The University of Puerto Rico Sea Grant College Program (UPRSGCP) is seeking high quality proposals for its 2006-2008 competitive marine research program.

Program Overview

Over the last 24 years our mission has been to promote the conservation and wise use of the coastal and marine resources of Puerto Rico and the U.S. Virgin Islands in ways that benefit the entire population and the Caribbean in general. One of 31 programs throughout the coastal United States, the University of Puerto Rico Sea Grant College Program achieves its mission through a multi-faceted approach that includes: research, outreach and formal (K-12) education programs. UPR Sea Grant links the university setting, which focuses on the development of theoretical and applied research, with regional and national agencies, and stakeholders in a way that increases our understanding of marine technologies, seafood production (including marine aquaculture), coastal ecosystem health, and coastal economic development (including the human environmental impacts, and public safety).

The information produced by research activities is organized and disseminated through workshops and activities developed by the Marine Outreach Program and the education component of our program. Recipients of Sea Grant funding are **required** to report on research accomplishments, products, impacts, participants and other significant contributions and changes (full proposal guidelines for details). Some of the products would include; peer reviewed publications, presentations like posters and talks at conferences, Multi-media presentations, fact sheets, bulletins, research reports, web resources, education curricula and modules are some of our program outputs. Our aim is to better inform public policy makers, change resource users' attitudes and practices, develop educational curricula and promote conservation and sustainable economic development. Research is the core of our endeavors, but this crucial activity needs to serve the Sea Grant mission to the fullest in an integrated approach that includes outreach and education. In order to facilitate this process PI's are expected to **include a travel budget** allowing to attend an annual UPR Sea Grant research conference to be held in Puerto Rico in addition to their other conference preferences.

More than a program, Sea Grant is, according to its legislation, a network of colleges that conduct education, training, and research in all fields of marine study. The legislation directs that grants and contracts go to suitable public and private institutions of higher education, institutes, laboratories, and public or private agencies which are engaged or are concerned with, activities in the various fields related to the development of marine resources (**Sea Grant Network Plan 1995-2005**). UPR Sea Grant offers the opportunity, to researchers and institutions, to link with similar programs throughout the United States, and also with colleagues in the Caribbean region sharing similar interests. The relationship between Sea Grant and each participating College is a partnership. **Each College is required to contribute a 1/3 match to the federal funds requested.**

In what areas do we wish to focus research?

In developing themes for research focus UPR Sea Grant obtains recommendations from the research community, colleagues, stakeholders, outreach clientele, government agencies, our own Advisory Council, and a Technical (Research) Review Panel. Consultation over the past several years has led to the development of our strategic plan for 2000-2010. Researchers are strongly encouraged to read our Strategic Plan, visit the home page at <http://seagrant.uprm.edu/>. Our current research focuses on the following key areas;

Coastal Hazards and Safety- Caribbean hurricanes and tsunamis, storm wave run-up, shoreline erosion, coastal modeling, flood mapping, affects related to the filling of coastal wetlands and incorporation in GIS applications will contribute to coastal risk management and hazard assessment.

Water Quality- Coastal ecosystem health and public safety are global concerns related to water quality issues. Point and non-point source pollution, watershed wastewater management, contamination of coastal marine environments (including wetlands and estuaries), pollution indicators, and the impacts of land use on water quality are focus areas.

Fisheries and Mariculture- Improving commercial fisheries through ecosystem based management and sustainable marine aquaculture is an over riding concern guiding research in these areas. Research in fish biology and behavior as related to essential fish habitats is essential to effective management. These could include, spawning aggregation areas, coral reefs, mangroves and marine grass beds, influencing commercial or endangered fish species. Research in marine protected areas, sustainable marine aquaculture, and hatcheries for commercial marine species are expected to contribute to the management efforts.

Coastal Community and Sustainable Resource Development- Capacity building, public policy, marine recreation and coastal tourism, coastal access and development of sustainable economic practices are areas we should be looking at.

Seafood Safety- Research in this area plays an important role in ensuring that human infection related to seafood consumption is reduced or eliminated. Advances in biotechnology have practical application in this area.

Proposals in these areas are sought for the up coming two-year cycle. Investigators who wish to develop projects in “non-focus” areas should insure that their projects will provide insight into the areas currently being stressed by UPRSGCP and are consonant with the goals that are outlined in Sea Grant’s Strategic plan. For further information on long term National Sea Grant goals and planning, see the “Sea Grant’s Network Plan 1995-2005” at <http://www.mdsg.umd.edu/NSGO/Plan/>. It should be kept in mind however, that focus areas will receive greater weight during proposal evaluation.

Sea Grant projects are expected to have a strong rationale for the proposed research. Researchers should promise to include information that establishes a basis for responsible

decision-making or for an applied use. To begin the process, a short pre-proposal will need to be submitted.

What format should the pre-proposal have?

All pages should be single spaced, typewritten in at least a 10 point font, and printed on 8½ x 11 paper. Proposals with two year duration are preferred.

Your Pre-proposal must contain the following items:

- i. A cover page with the title of the project, name of the investigators, and academic affiliation. The cover page must have the researchers' signature, and the signature of the main department head, or supervisor who will be authorizing the matching funds. We are encouraging potential researchers to pay attention to the budget at this early stage. Researchers should consult their respective External Resource Office in order to complete budget justification and the matching funds.
- ii. A short pre-proposal consisting of the following parts (five pages maximum): (a) Project summary (250-300 words) with five key words, (b) Research problem, (c) Goals and objectives, (d) Methodology, (e) Activities, and a time-table, and (f) Potential benefits (applied or theoretical) of the proposed project.
- iii. Budget summary (form 90-4) one page per year, and budget justification. The budget justification must include details on permanent equipment (a list), number of students (graduate and undergraduate), calculation of salaries and fringe benefits, Time and effort of personnel, staff, and students, subcontracts (if any), the nature of matching funds and calculation of indirect costs. **NOAA requires 1/3 match** from the grantee. There is no need to go overboard with this. We ask you to be **accurate, appropriate and proportionate**.
- iv. One-page bibliography.
- v. One-page curriculum vitae.
- vi. The PI will submit a list of 4 peer reviewers. They will be contacted for availability at this early stage prior to sending a full proposal for review. Our office will also seek additional reviewers.

Pre-proposals will be submitted to the University of Puerto Rico Sea Grant College Program at;

University of Puerto Rico
Sea Grant College Program
RUM
P.O. Box 9011
Mayagüez, P.R. 00681-9011

What schedule should I anticipate for proposal preparation and review?

Preliminary proposals are due at UPRSG CP on or before 4:30pm February 28, 2005. After selection by the UPR Sea Grant's Technical Review Panel (TRP), invitations for submission of full proposals will be sent on or before May 1, 2005. The deadline for the submission of full proposals is July 15, 2005. At this time all projects will be sent out for peer review. We expect the peer reviews to be in our office by September 15, 2005. The UPR Sea Grant Technical Review Panel will make a final ranking by the end of September. Only the most outstanding projects will be included in the Omnibus Proposal. Project ranking will be based on programmatic focus, budgetary considerations, quality of the proposed research, and peer reviews. Budgetary constraints for the 2006-2008 institutional plan will allow for a final selection of approximately 9-10 projects per year. Research funding will be available for projects with annual budgets in the \$20,000-\$80,000 range. Our goal is to fund as many outstanding projects as possible consequently projects in the \$20,000-\$40,000 per year range are preferred. Proposals included in the final omnibus proposal will have a March 1, 2006 start date.

February 28	Preliminary proposals due at UPRSG before 4:30pm
April 15	Evaluate and select Pre-proposals
May 2	Invitations for full proposals sent
July 15	Deadline to receive full proposals
July 20	Send full proposals for peer review
September 20	Receive peer reviews by 5:00pm
October 6-7	TRP meeting to rank proposals and make "final" selection of proposals to be included in the Omnibus Proposal. Notify participants.

Contacts for further information

Main office

Dr. Manuel Valdes-Pizzini (Director), Dr. Kurt Grove (Research Coordinator) or
Ms. Yulisa Garcia (Administrative Assistant)

UPR Sea Grant College Program

P.O. Box 9011

Mayagüez, PR 00681-9011

Tel: (787) 832-3585

FAX: (787) 265-2880

E-mail: mavaldes@uprm.edu or

kgrove@uprm.edu

Sea Grant Outreach in San Juan

Ms. Maria Beatriz Riesco

UPR Sea Grant College Program

P.O. Box 9011

Mayagüez, PR 00681-9011

Tel: (787) 485-3138

FAX: (787) 265-2880

E-mail:mbriesco@coqui.net

Sea Grant Outreach in the U.S.V.I.

Dr. Richard S. Nemeth (Director)

Center for Marine and Environmental Studies

University of the Virgin Islands

#2 John Brewers Bay

Tel: (304) 693-1381

St. Thomas, U.S. Virgin Islands 00802-9990 Fax: (304) 693-1385

E-mail:rnemeth@uvi.edu

Sea Grant Education in Humacao

Lesbia Montero, Marine Education Coordinator

Department of Biology

Sea Grant College Program

Colegio Universitario de Humacao, UPR

CUH Station Box 10156

Tel: (787) 850-9385

Humacao, PR 00792

Fax: (787) 850-0710

E-mail: cem_sg@webmail.uprh.edu

Our main office and the Center for Marine Information is located at the University of Puerto Rico at Mayagüez, Physics Building, Office 310. Administratively, our program is managed at the Center for Research and Development (*Centro de Investigación y Desarrollo, CID*), Road 108, Km 1.0, Mayaguez, Puerto Rico. The Marine Outreach Program (**MOP**) is also located at Mayagüez. In San Juan, our office is located at the Department of Natural and Environmental Resources. The Marine Education program is based at the UPR Humacao on the east coast. In partnership with the University of the Virgin Islands Center for Marine and Environmental Studies, our program also includes the Virgin Islands Marine Advisory Services (VIMAS) Program in St. Thomas and St. Croix.

SEA GRANT BUDGET FORM 90-4

GRANTEE:			GRANT/PROJECT NO.:	
PRINCIPAL INVESTIGATOR:			DURATION (months) :	
			months	Yr.
SALARIES AND WAGES:			man-months	
	No. of	Amount	Sea Grant	Matching
1. Senior Personnel	People	of Effort	Funds	Funds
a. (Co) Principal Investigator:				
b. Associates (Faculty or Staff):				
Sub Total:				
2. Other Personnel				
a. Professionals:				
b. Research Associates:				
c. Res. Asst./Grad. Students:				
d. Prof. School Students:				
e. Pre-Bachelor Student(s):				
f. Secretarial-Clerical:				
g. Technicians:				
h. Other:				
Total Salaries and Wages:				
B. FRINGE BENEFITS:				
Total Personnel (A and B):				
C. PERMANENT EQUIPMENT:				
D. EXPENDABLE SUPPLIES AND EQUIPMENT:				
E. TRAVEL:				
1. Domestic				
2. International				
Total Travel:				
F. PUBLICATION AND DOCUMENTATION COSTS:				
G. OTHER COSTS:				
1.				
2.				
3.				
4.				
5.				
Etc.				
Total Other Costs:				
TOTAL DIRECT COST (A through G):				
INDIRECT COST (On campus % of)::				
INDIRECT COST (Off campus % of)::				
Total Indirect Cost:				
TOTAL COSTS				

SEA GRANT PROJECT SUMMARY FORM

- (1) INSTITUTION: (1a) ICODE:
- (2) TITLE:
- (3) PROJECT NUMBER: (4) REVISION DATE:
- (5) PROJECT STATUS: (6) INITIATION DATE:
- (7) COMPLETION DATE:
- (8) SUB PROGRAM:
- (9) PRINCIPAL INVESTIGATOR: (9a) EFFORT:
- (9b) AFFILIATION:
- (9c) AFFILIATION CODE:
- (10) CO-PRINCIPAL INVESTIGATOR: (10a) EFFORT:
- (10b) AFFILIATION:
- (10c) AFFILIATION CODE:
- (11) ASSOCIATE INVESTIGATOR 1: (11a) EFFORT:
- (11b) AFFILIATION:
- (11c) AFFILIATION CODE:
- (12) ASSOCIATE INVESTIGATOR 2: (12a) EFFORT:
- (12b) AFFILIATION:
- (12c) AFFILIATION CODE:
- (13) S.G. FUNDS: (14) STATE MATCHING FUNDS:
- (15) LAST YEAR'S SG FUNDS: (16) LAST YEAR'S MATCHING FUNDS:
- (17) PASS-THROUGH FUNDS: (18) LAST YEAR'S PASS-THROUGH FUNDS:
- (19) RELATED PROJECTS:
- (20) PARENT PROJECTS:
- (21) SEA GRANT STRATEGIC PLAN CLASSIFICATION:
- (22) OBJECTIVES:
- (23) METHODOLOGY:
- (24) RATIONALE: