About Woods Hole Sea Grant

The Woods Hole Sea Grant program, based at the Woods Hole Oceanographic Institution (WHOI), supports research, education, and extension projects that encourage environmental stewardship, long-term economic development, and responsible use of the nation’s coastal and ocean resources. It is part of the National Sea Grant College Program (NSGCP) of the National Oceanic and Atmospheric Administration, a network of 30 individual programs located in each of the coastal and Great Lakes states.

Sea Grant’s legislative charge is to “increase the understanding, assessment, development, utilization, and conservation of the nation’s ocean and coastal resources by providing assistance to promote a strong educational base, responsive research and training activities, and broad and prompt dissemination of knowledge and techniques.”

During the 2004-2006 funding cycle, the Woods Hole Sea Grant program is supporting 12 concurrent research projects. Average awards for individual research projects are $50,000 per year. Sea Grant proposals require a match of $1 of non-federal funds for every $2 of federal funds requested.

In keeping with the strategic plans of the NSGCP and the Woods Hole Sea Grant program, the theme areas for 2006-2008 are: Fisheries and Aquaculture, Environmental Technologies (marine biotechnology, remediation technologies, and remote technologies), and Estuarine and Coastal Processes (coastal erosion, sustainable landforms, water quality, and sediment quality). However, pre-proposals representing other areas will be considered. Regional proposals that involve investigators from multiple institutions and states and coordinated support from multiple Sea Grant programs will also be considered.

Visit our web site (www.whoi.edu/seagrant) for a description of our current projects and programs. Our strategic plans are also available online.

Calendar for Woods Hole Sea Grant
2006-2008 Omnibus Proposal
(all dates 2005)

1 February Call for pre-proposals
17 February 2:00 p.m. Open Meeting — Redfield Auditorium, WHOI 45 Water Street, Woods Hole
16 March 4:00 p.m. Pre-proposal deadline to Woods Hole Sea Grant office
20 April Notification of pre-proposal review and solicitation of full proposals
15 June 4:00 p.m. Full proposal deadline to Woods Hole Sea Grant office
15 August Mail reviews due to Woods Hole Sea Grant office
26 August P.I. rebuttals due to Woods Hole Sea Grant office
19 September Notification of panel review selection for inclusion in 2006-2008 Woods Hole Sea Grant omnibus proposal
14 November Submission of omnibus proposal to National Sea Grant College Program
1 March 2006 Funding begins

Format for Pre-Proposal Solicitation

Please provide a two-page summary of your research idea according to the following format:

— P.I., Department, Institution
— Project Title

1. Project Description — include the scientific question, hypothesis, or principal objectives; comment on methodology and field work that may be involved.

2. Rationale for Project — does the project address an important issue, problem, or opportunity in the development, use, or management of marine or coastal resources?

3. Innovativeness — do you take a new approach toward solving or exploiting opportunities in resource management, development, or public outreach? Will the research focus on new or potentially new resources or ideas?

4. Applications and Outreach — what are some potential applications of your project, direct or indirect? Who will use the information you obtain? Do you have ideas for transferring this research to various audiences? If so, please specify. Also, why Sea Grant?

5. Estimated Duration of Project — request 12 or 24 months.

6. Budget — include Sea Grant request and proposed matching funds.

Please submit original and 6 copies to:
Dr. Judith E. McDowell
Woods Hole Sea Grant Program, MS #2
193 Oyster Pond Road, CRL 207
Woods Hole, MA 02543-1525

Deadline: 16 March 2005 — 4:00 p.m.
Questions? Contact Judy McDowell at (508) 289-2557 or jmcdowell@whoi.edu.
Current Woods Hole Sea Grant Research

In 2004-2006, Woods Hole Sea Grant is supporting 12 concurrent research projects, several smaller “new initiative” efforts, and outreach projects. Many of the projects address local and regional needs whereas others have national or even global implications. Current projects include:

- A Proteomics Approach to the Study of Endocrine Disruption in Fish
- Near-Source Atmospheric Deposition as a Potential Nitrogen Source to Coastal Lagoons
- Development of an Autonomous Multi-Scale Digital Imaging System for Identification and Mapping of Aquatic Species
- The Wild Harbor Oil Spill: Ecological Effects 30 Years Later?
- Isotopic Tracers of Groundwater Discharge into Casco Bay, Maine
- Post-Depositional Remobilization of Trace Metals in the Sediments of Massachusetts Bay and Boston Harbor: Implications for the Fate of Anthropogenic Metals in the Coastal Environment
- Reconstructing Dispersal Pathways of Haddock Larvae from ICP Mass Spectrometric Analyses of Trace Elements and Stable Isotopes in Otoliths
- Development and Application of Molecular Methods for Detection of QPX Organisms in Environmental Reservoirs
- Innovative Approaches to Identifying Bivalves and Characterizing Habitat Using Advanced Image Processing Techniques
- Delineation of Critical Inshore Spawning Grounds for Commercially Valuable Squid Fisheries on the East and West Coasts of the USA
- Detection and Enumeration of Harmful Algal Bloom Species Using Fiber Optic Microassays
- Biomarkers and Bioassays for Ortho-substituted (Non-planar) Polychlorinated Biphenyls in the Marine Environment

Request for Pre-Proposals

Woods Hole Oceanographic Institution

Sea Grant Program

2006—2008 Omnibus Proposal

Pre-proposals due: 16 March 2005