GG 710 - Remote Sensing in Submarine Environments
Fall 2005
Homework Assignment #2 – the Pre-proposal

FULL ANNOUNCEMENT TEXT (extracted from Official NOAA announcement)

I. Funding Opportunity Description – NOAA Ocean Exploration (OE)
   A. Program & Notice Objective
      The OE Program engages in interdisciplinary ocean exploration of unknown and poorly known areas of the world's oceans in support of NOAA’s 5-year Research Strategic Plan. The OE program objectives are to explore and map the ocean’s living and nonliving resources and to gain new insights about its physical, chemical, biological, and archaeological characteristics. Information about past and present OE-funded activities is available through the Ocean Explorer Website at: http://www.oceanexplorer.noaa.gov.
      The purpose of this announcement is to invite the submission of pre-proposals that address specific thematic priorities.
   B. Program Priorities & Guidance
      In FY06, OE is seeking interdisciplinary proposals for collaboration that address one of these thematic priorities:
      1. General Exploration
         a. Habitat and ecosystem characterization;
         b. Marine life inventories contributing to Census of Marine Life (CoML);
         c. Ocean mapping;
         d. New ocean resources including biotechnology and mineral exploration;
      2. Marine Archaeology;
      3. Education
      These thematic priorities are consistent with NOAA’s 5-year Research Strategic Plan (http://www.nrc.noaa.gov/Docs/NOAA_5-Year_Research_Plan_010605.pdf) and were established in part from the 2000 President’s Panel on Ocean Exploration (http://oceanservice.noaa.gov/websites/retiredsites/oceanpanel.pdf); eight regional NOAA-hosted ocean exploration workshops and a 2003 National Academy Report, Exploration of the Seas.

Interdisciplinary expeditions are an important aspect of NOAA’s Ocean Exploration Program and investigators submitting General Exploration proposals are encouraged to include one or more of the following activities in their proposal:
   • Surveys areas using multibeam, sidescan sonar, or other sea floor or water column mapping technologies;
   • Development of real-time maps and 3-D computer simulations from survey data;
   • Collection of oceanographic observations using CTD or other instruments;
   • Collection of sediment samples;
   • Visual surveys using HOVs, ROVs or AUVs;
   • Collection of discrete samples of specific deep-sea benthic and pelagic biota at targeted locations;
   • Deployment of in-situ instrumentation at select locations to explore in the time domain.
Pre-proposals are required for all submissions and should summarize the proposed research, identify project priorities, provide a statement of objectives and describe how the proposed project relates to OE’s mission. Applicants should also identify 1) clearly defined area of proposed operations (e.g., including latitude, longitude, and depth), 2) required platforms or other critical assets. 3) any auxiliary funding sources for the proposed project, and 4) time or operational constraints, especially with regard to field operations.

All pre-proposals must be typewritten on 8.5x11 inch paper in 12-point font. Pre-proposals may not exceed 2 pages to summarize the proposed research. The Principal Investigator’s last name must be typed in the bottom right-hand corner of each page. One hard copy of the complete pre-proposal must be received by 0900 on Tuesday, September 6, 2005 (at the start of class).