



SEACOOS Year 4 Targeted Activities

Modus operandi – For Year 4 (2005-2006) we will aggressively develop solid relationships with targeted, scientifically-oriented “super-users” of environmental (observed and predicted) information. We will build collaborative, applied research projects designed to enhance, supplement or develop user defined applications using SEACOOS observations and model products. In this way, we extend the reach of our information to established user bases and refine SEACOOS products for greater societal benefit, without inadvertently competing with the public and private sectors. We also will continue to highlight SEACOOS activities through extension, education, and public awareness efforts.

1. (roughly 75% commitment) Continued refinement of ocean circulation observation and prediction system with an emphasis on baroclinic processes and application to search and rescue, spill response, and federal resource management. Requires coordination with SEA-COOS Federal Affiliates.
2. (roughly 20% commitment) To demonstrate growth of the observing system inshore, design and begin implementation of a) directional wave observation and prediction and b) storm surge and inundation observation and prediction, both in support of emergency management, state resource management, and safe navigation. Requires partnering with other programs.
3. (roughly 5% commitment) Design Coastal Ocean Data Assimilation Experiments (CODAE) to rigorously test the capability of the ocean circulation observing and modeling systems to address specific questions through hindcasts, nowcasts, and forecasts. Requires connecting to basin-scale data-assimilative modeling activities. Includes designing upgrades to the observing system network and modeling strategies.

Overall, with an 18% budget reduction, Year 4 is the time for consolidating SEACOOS gains, focusing on analysis of observational and modeling results, development and production of clear demonstrations of user applications, and designing and planning for future efforts.