

**Massachusetts and Rhode Island Coastal Ocean Observing System
(MARICOOS): Inundation Module Design Workshop**

University of Massachusetts Dartmouth
Advanced Technology & Manufacturing Center - Fall River, MA

14-15 September 2006

Executive Summary

A MARIBS MARICOOS: Inundation Design Workshop sponsored by MACOORA and the UMass Center of Excellence on Applied Ocean Observation Systems was conducted on 14-15 September 2006 at the UMass Dartmouth's ATMC. About 25 participants attended the workshop that was launched with a set of plenary talks, keynoted by Hayden Frank (NWS - Taunton, MA), that outlined many of the existing regional and sub-regional ocean observing assets, including operational and research-operational observations, research-operational and research numerical ocean and meteorological modeling, and information systems were previewed by the participants. After a day of design discussions the workshop reached consensus on the following action items are to:

- **Conduct a Navy Wave Model Validation Project;**
Hayden Frank (NWS), Frank Bub (NAVOCEANO), Dan MacDonald (UMassD) will collaborate to determine which wave observations are needed to improve their present inundation forecast protocol.
- **Compare QUODDY with the SWAF and other inundation models;**
Wendell Brown (UMassD) and others
- **Explore the possibilities of using NITES-II as a decision-making tool;**
Wendell Brown (UMassD) and Mike Incze (NUWC)
- **Encourage WHOI NOAA-CICOR student interest in MARICOOS;**
Patricia White (WHOI)
- **Conduct Additional MARICOOS Inundation Design Workshops;**
Dave Chapman (MACOORA) will recommend funding for additional MARICOOS workshops that can respond to the "needs assessment" outcomes of the MACOORA/COS mid-November workshop.
- **Analyze the A. Baptista (OGI) "Formula for Success";** and
Avijit Gangopadhyay (UMassD)
- **Participate in the MACOORA/COS Inundation Workshop;**
Wendell Brown (UMassD)