Coastal Storm Modeling System Workshop
(ERDC-CSTORM-MS)

November 15-18, 2010
Coastal & Hydraulic Laboratory, Vicksburg, MS
CHL Main Conference Room (Room 200)
Workshop Overview

Day 1: Executive Briefing and Introduction followed by hand-on training of ERDC's Coastal Storm Modeling System (ERDC-CSTORM-MS)

0800 – 0830 Welcome and Introduction
0830 – 0930 Executive Briefing
0930 – 1015 System Implementation in SMS
1015 – 1030 Break
1030 – 1200 Intro to System with a sample application
1200 – 1300 Lunch
1300 – 1700 Detailed Project Overview (demo and theory)

Day 2: ERDC-CSTORM-MS hands-on training

0800 – 0900 Project Briefing
0900 – 1000 Storm Science
1000 – 1030 SMS Demonstration
1030 – 1130 Storm Track Definition – Starting a Project
1130 – 1200 Spatial extents and project summary/timeline
1200 – 1300 Lunch
1300 – 1430 Spatial linking of system components
1430 – 1530 Overview of Atmospheric Forcing
1530 – 1700 PBL, Holland, Vortex Models

Day 3: ERDC-CSTORM-MS hands-on training

0800 – 0900 Overview of WAM Offshore Wave Model
0900 – 1100 WAM Model Setup, Execution and Visualization
1100 – 1200 Nesting WAM Grids
1200 – 1300 Lunch
1300 – 1445 Overview of ADCIRC, STWAVE models and the COUPLER
1445 – 1500 Break
1500 – 1700 ADCIRC/STWAVE/COUPLER

Day 4: ERDC-CSTORM-MS hands-on training

0800 – 1030 Conclude ADCIRC/STWAVE/COUPLER
1030 – 1045 Break
1045 – 1130 HPC System Tutorial
1130 – 1200 Scripting the HPC from SMS
1200 – 1300 Lunch
1300 – 1400 Coupling the system with ADH and BOUSS
1400 – 1500 Future Development, wrap up and summary