

Results of the US IOOS Testbed for Comparison of Hydrodynamic and Hypoxia Models of Chesapeake Bay

Carl Friedrichs (VIMS) and the Estuarine Hypoxia Team

Federal partners

- David Green (NOAA-NWS) – Transition to operations at NWS
- Lyon Lanerolle, Rich Patchen, Frank Aikman (NOAA-CSDL) – Transition to operations at CSDL; CBOFS2
- Lewis Linker (EPA), Carl Cerco (USACE) – Transition to operations at EPA; CH3D, CE-ICM
- Doug Wilson (NOAA-NCBO) – Integration w/observing systems at NCBO/IOOS

Non-federal partners

- Marjorie Friedrichs, Aaron Bever (VIMS) – Metric development and model skill assessment
- Ming Li, Yun Li (UMCES) – UMCES-ROMS hydrodynamic model
- Wen Long, Raleigh Hood (UMCES) – ChesROMS with NPZD water quality model
- Scott Peckham (UC-Boulder) – Running multiple ROMS models on a single HPC cluster
- Malcolm Scully (ODU) – ChesROMS with 1 term oxygen respiration model
- Kevin Sellner (CRC) – Academic-agency liaison; facilitator for model comparison
- Jian Shen (VIMS) – SELFE, FVCOM, EFDC models
- John Wilkin, Julia Levin (Rutgers) – ROMS-Espresso + 7 other MAB hydrodynamic models

