

**COOS General Overview**  
**&**  
**CONCEPT OF OPERATIONS**  
**(CONOPS)**

**FL-COOS CAUCUS4**  
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# GENERAL OVERVIEW

- NOAA IOOS ORGANIZATIONAL DEVELOPMENT  
(Dr. Rick Spinrad memo of 5 DEC 05)
- OCEAN.US NEW LEADERSHIP  
(Dr. Mary Altalo JAN 06)
- First U.S. IOOS Development Plan  
(approved 3 NOV 05)
- NOAA RFQ for IOOS (design, estimate cost, narrate re: viability) 4 JAN 06
- CaRA workshop re: Caribbean tsunami observing network (this week; George Maul)

# GENERIC

## APPLICATIONS/USERS

- MARINE OPERATIONS AND EMERGENCY MANAGEMENT(OFFSHORE INDUSTRY, SHIPPING, SPILLS, SAR, ETC.)
- COASTAL HAZARDS (STORM SURGE, TSUNAMIS, RIP CURRENTS, BEACH EROSION, ETC.)
- MARINE ENVIRONMENTAL AND ECOLOGICAL MANAGEMENT (WATER QUALITY, HABs, FISHERIES, ETC.)
- COASTAL OCEAN CHANGE DETECTION
- RESEARCH
- EDUCATION

# CONOPS FOR COOS

- WHO DOES WHAT?
  - FEDS, STATE & LOCAL, INDUSTRY, ACADEMIA PROVIDERS?
  - GLOBAL, NATIONAL, REGIONAL, AND SUB-REGIONAL SCALE SYSTEMS?
  - ACQUIRE FIELD DATA, ANALYZE SATELLITE DATA, RUN MODELS, DISSEMINATE PRODUCTS

# FURTHER QUESTIONS

- WHAT ARE THE SYSTEM ATTRIBUTES? (OPEN, 24 X 7, OPS and R&D, EDUCATION, DIVERSE USERS, LINK TO GEOS...)
- WHAT IS THE SYSTEM ARCHITECTURE? (IN SITU AND REMOTE SENSING, SATELLITE REMOTE SENSING, NUMERICAL MODELING, IMS; NATIONAL BACKBONE & RAs/RCOOSs)
- WHAT ARE THE ROLES OF THE NOAA LINE OFFICES (NOS, NWS, NMFS, NESDIS, OAR) & OTHER FEDS(USGS, EPA, MMS, USCG, USACOE, USN, ET AL.)?

# MORE QUESTIONS

- WHO IS IN CHARGE? (WHO IS RESPONSIBLE, ACCOUNTABLE?)
  - DAY-TO-DAY (STRATEGIC)?
  - EMERGENCY EVENTS (TACTICAL)?
  - PROGRAM DECISIONS (FUNDING)?
- WHO PAYS? (WHO BUDGETS?)
- WHAT IS THE (STAKEHOLDER) GOVERNANCE SYSTEM?

# **FINAL EXAM**

- WHO ARE THE FORECASTERS?
  - MARINE FORECASTERS IN NWS/WFOs?
  - FWCI, etc. STAFF? FLORIDA STATE CLIMATOLOGIST?
  - VALUE-ADDED COMPANIES?
  - PROFESSORS, POST DOCS, AND GRADUATE STUDENTS?
  - OR “NEW BREEDS OF CATS” IN NEW ENTITIES?