Funded Proposals

• Year 3 of RA Support
• Data Portal
• Standardize Local Data Nodes
Year 3 of RA Support

- Yr 3 funding increment received 6/12/07
  - $435,820 (direct and indirect)
- $1,100,688 total 3-year funding
- End date 31 May 2008
- Time extension will be requested
- E/O subcontract in place through 5/31/2008; will be extended
Data Portal

• Awarded in August 2007
• One year 1/1/2008 through 12/31/2008
• $500,000
• E/O component
“Integration of and Regional Enhancements to the Gulf of Mexico Coastal Ocean Observing System”
aka
“The Data Portal”

• Funded - $500K - One year only

• Work begins 1-Jan-2008

• FY08 Proposal for sustaining funds in preparation
The Data Portal Participants

• Jochens/Howard Lead
• S. Walker E&O Coordinator
• Node Consultants (as needed - limited)
• New staff to be hired
  Web Programmer (backend database)
  Web Programmer (User Interface)
  Graduate Student (domain specialist)
The Data Portal

- Goal: Establish a central data management system to enhance visibility of GCOOSRA and facilitate data usage.

- Path towards Regional Operations Center
The Data Portal

The Approach

• Phase 1 Evaluation
• Phase 2 Specification
• Phase 3 Build
• Phase 4 Roll out (some new money)
• Phase 5 Refine and Maintain (new money)
The Data Portal

• Phase 1 Evaluation
  ➢ Refine our vision of
    short & long term goals
    functionality
    maintenance
    ultimate fate
  ➢ Brainstorm, survey of other portals, rank
  ➢ Evaluate and decide.
The Data Portal

• Phase 2 Specification
  – Use professional software design approach
    • High-level conceptual design documents
    • Define special terms and relationships
    • Develop use case scenarios
    • Document business and program logic
    • Storyboard and mock up pages
    • Work Breakdown Schedules
The Data Portal

• Phase 3 Build
  – Secure domain names
  – Define database record structure
  – Prototype graphics for web pages
  – Start coding for interface and database link
  – Link with data nodes
  – Document
The Data Portal

• Phase 4 Roll-Out
  – Beta Testing
  – Review by GCOOS BOD
  – Comments by EOC, Products, Observing, DMAC
  – Official opening for business
The Data Portal

Phase 5: Continue Refinements and Maintain
Standardize Local Data Nodes

- Awarded in August 2007
- 3 years
- Begins 1/1/2008
- ~$300,000/year
- E/O component
“Standardization of Local Data Network Nodes in the GCOOS-RA”

- Funded \( \sim \$300K \) in each of 3 years

- Shared equally with 10 nodes, E&O, & management (\( \sim 1 \) man/month/node/yr)

- Work begins 1-Jan-2008
Standardization of Nodes

Participants

Jochens/Howard Leads
S. Walker E&O

- Crozier (DISL)
- Guinasso (TABS)
- Howden (CenGOOS)
- Jeffress (TCOON)
- Kirkpatrick (Mote)
- Luther (COMPS)
- Muller-Karger (IMaRS)
- Rabalais (LUMCON)
- Stone (WAVCIS)
- N. Walker (LSU/CSI)
Standardization of Nodes

• Goal. Serve region’s near real-time physical oceanographic data in the same way. (XML-based OGC Web Services)

• Y1 - Scalar data (& select Satellite prod.)
• Y2 - Vector data (& serve Satellite prod.)
• Y3 - Serve archived data back 1-year
Standardization of Nodes

Work Plan Synopsis

• Managers Attend Planning & Review Meetings
• Node Programmers Attend Two Workshops
• Node Programmers Implement at Their Nodes
• E&O Train in IT Data Standardization Issues

• Common single vocabulary established and adopted in concert with other RAs and IOOS.