

IOOS RA DMAC Workshop



DMAC Briefing

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Five Year DMAC Strategic Plan

1. Ensure that all data from NERACOOS supported observing and modeling activities are delivered through IOOS recommended standards and services
2. Provide end users with access to real time and historical data through formats and services that support their needs
3. Ensure that all NERACOOS data products are discoverable and accessible
4. Support the cost effective and scalable development of products for all priority areas
5. Ensure all partners aggregated real-time observations and regional model outputs are archived with NOAA's National Oceanographic Data Center
6. Ensure that all data and products have essential metadata regarding information sources and quality
7. Ensure that all NERACOOS data services are registered, cataloged and monitored
8. Develop and implement performance measures and usage statistics
9. Ensure that the NERACOOS DMAC system becomes IOOS certified
10. DMAC Components in 6 priority theme areas

2011 DMAC Priorities

- Products
 - Recently established products team to guide product development (inspired by NFRA workshop)
 - Inventory /catalog all existing regional products, Identify product gaps, Research / leverage other RA products
 - Identify stakeholders, needs, requests in 6 theme areas.
- NeCODP as DMAC leader
 - MOU 6/2010 established DMAC role for NeCODP
 - Leverage history of interoperability and metadata expertise.
 - Represents broad array of NE stakeholders state agencies, non-profits, federal agencies, user groups, etc.
- Metadata
 - Metadata Workshop June 2011
 - Training and tool development for ISO 19139, WAFs, KML, leverage past GCMD work

2011 DMAC Priorities

- Continue development of DMAC infrastructure: SOS, THREDDS, WMS. Ensure all partners have a plan to accomplish this. Working toward IOOS DMAC Certification
- Ensure all sub-regional observing entities establish plans with NODC
- Performance Measures for products and services – cited repeatedly in the strategic plan.

IOOS RA Data Management Challenges

- 3 tiered funding scenarios uncertainty
- Fully integrating DMAC for sub-regional observing systems.
 - Over 10 buoys funded which includes DMAC needs.
 - Encompasses five states: CN,RI,MA,NH,ME
- Standards uncertainty.
 - DIF => SWE 2.0
 - Changes in TDS, CDM CF POC
- Distributed SOA challenges
 - Multiple points of failure, distributed monitoring, interoperability

How can the IOOS Office Assist your RA?

- Continued recognition of RA importance to IOOS. (more funds?)
- Metadata guidance
 - FGDC, GCMD, ISO, etc.
- Shared Tools / Products guidelines
 - SOS toolkits, TDS guidance, etc.
- Clear “certification” standards
- Help establishing performance metrics