

The “I” in IOOS[®]: Where are we going with DMAC?

Charles Alexander
Operations Division Chief, IOOS Program

DMAC: Where we've been (2007-10)

- **DATA INTEGRATION FRAMEWORK**
 - 4 customers/3 data providers/7 variables
 - Initial services (SOS, TDS) in place
 - Final report completed

- **SUSTAINED REGIONAL ENGAGEMENT**
 - 3 annual workshops, bi-weekly conf. calls
 - Convergence on common tools/protocols (e.g. SOS)
 - Data to NWS/National Data Buoy Center
 - Signell/Regional IOOS models

- **INITIAL OOI-CI COLLABORATION**

DMAC: Where we are (FY2011)

1 of 2

- **COLLABORATION WITH IOOS REGIONS**
 - FFO “white paper” per minimum capabilities
 - Emerging focus areas for the next 12 months (visibility in IOOS catalog, resolving model data issues, improved existing services)
 - Conf. calls, wiki, 4th annual workshop

- **DMAC v1.0**
 - SOS improvements/enhancements
 - Catalog v1.0 (going to v2.0)
 - Data Integration Service
 - Metadata
 - Archiving

DMAC: Where we are (FY2011)

2 of 2

- **ADDITIONAL DATA PROVIDERS**
 - NOAA NCCOS & FIU (water quality data)
 - US Navy (mostly ocean model data)
 - US Army Corps of Engineers (water level data)
 - Expanded biological obs (NMFS, telemetry data)

- **IOOC**
 - IOOS Data Partners Criteria Working Group
 - (new) IOOS DMAC Steering Team

- **OOI-CI**
 - Initial “use case” implementation (coastal modelers)

DMAC: Where we are going (FY2011+)

- **IMPROVED SYNCHRONIZATION (inc. regions)**
 - Minimum basic functionality
 - “Certification” for IOOS data providers
 - Catalog & federated IOOS architecture
- **MULTI-YEAR IMPLEMENTATION PLAN**
 - Based on IOOS Blueprint (DMAC)
 - Currently assumes level funding
- **INCREMENTAL FIELDING OF DMAC FUNCTIONS**
- **INCREASED COLLABORATION WITH OOI-CI**

Discussion

- 1. CMSP, Ocean Acid. and other “themes” as customer drivers for DMAC delivery and evolution?**
- 2. Increased collaboration/development with OOI-CI?**
- 3. Regional IT focus – product development vs DMAC functionality?**
- 4. Regional – National DACs/servers?**