

2013 DMAC Workshop

Logistics/Introduction

Round Table Topics (Day Two)

- **Collective collaboration on research proposals**
 - Jim Potemra offered suggestion based on NSF proposal he responded to on “Transformative Research”. Suggested that a joint response by multiple regions would have made for a more successful proposal.
 - Rob Bochenek agreed with synergistic approach.
- **Issues with accessing model data outputs from forecasting centers**
 - Inconsistent forecast data outputs by forecasting centers.
 - Access to THREDDS servers to download boundary conditions can take 14 hours.
 - New version of WaveWatch model is not compatible with older versions.
- **Data Integrity and Provenance Issue**
 - Issue of third party data providers not providing the proper attributions for the data they use. Marine Explore’s recent use of HFradar is an example highlighted by Vembu Subramanian, who suggested this topic.
- **Regional FY 14 (Year - 3) Priorities**
- **Client Tools and Products**
 - Discuss the current client frameworks and Pyoos, Ulmo, ncToolbox EDC etc. See <https://sites.google.com/a/noaa.gov/ioos/collaboration-tools/dmac/tools>
 - Discuss how to market the software being developed.
- **Add your own...**

Introduction

- Collaboration
- Joint Planning
 - Communications with Executive Directors
 - SOS Build out
 - Systems Integration Test
- IOOS PO Work Plan

SOS 1.0 Fielding Plan

● - complete ● - pending ● - in progress

RA/ Partner	52N	ncSOS	Other	Target Install Date	Test Date	Comple te	Notes
AOOS	●			7/1/13		80%	sos.aaos.org/sos ready for testing.
CaRA		●				20%	Jorge working on SOS aggregations. No dates yet
CeNCOOS	●	●		52N - 8/2013 ncSOS - ???		80%	sos.cencoos.org ready for testing. There is still an ongoing discussion about ncSOS
GCOOS	●			9/30/13		20%	Nonong has test instance but performance is poor. Update from Matt on 9/10 at workshop.
GLOS	●	●		8/1/13		80%	sos.glos.us/ ready for testing. Also addressing known bug with thermistor chain.
MARACOOS		●		CBIBS 12/2013? Other TBD		0%	Waiting for Glider DAC. Other data types TBD. CBIBS?
NANOOS			●	12/31/2013		20%	NANOOS/SECOORA to collaborate on Python server by Dec 30.
NERACOOS		●		10/31/13		20%	NERACOOS plan being drafted by Eric, approved by board. Some test data sets published to TDS.
PacIOOS		●		7/1/13		80%	Complete for WQB. Waiting for Unidata bug fix to address remaining datasets.
SCCOOS		●				50%	Preliminary test data set complete. Must implement TDS NCML work around
SECOORA			●	12/31/13		20%	NANOOS/SECOORA to collaborate on Python server by Dec 30.

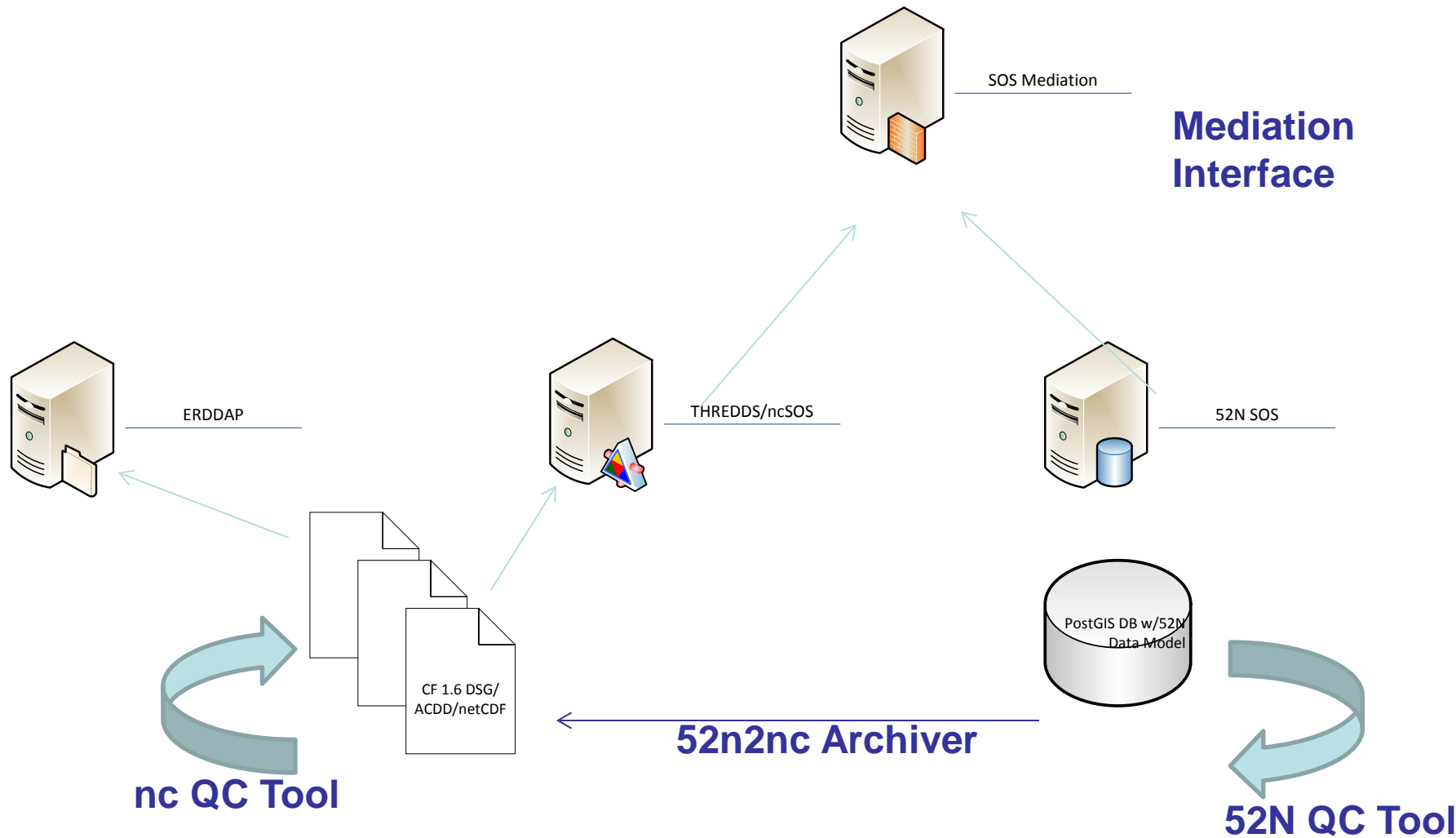
FY 2013 IOOS PO Work Plan

Task Name	Start	Finish	% Complete
FY13 Program Management Pre Work	Mon 11/5/12	Wed 1/16/13	99%
Develop IOOS Catalog 3.0	Wed 1/9/13	Tue 4/15/14	60%
Update the DMAC implementation plan (July 2011)	Mon 9/16/13	Fri 6/27/14	0%
Update and operate the DMAC requirements process	Wed 1/9/13	Fri 9/20/13	94%
Revise DMAC Regional Guidance Document (2010)	Wed 1/9/13	Wed 2/27/13	100%
Reorganize location and presentation of existing DMAC documents	Mon 11/5/12	Mon 1/27/14	67%
Produce and maintain IOOS SOS web services documents	Wed 1/9/13	Thu 5/22/14	48%
Create Template for IOOS SOS 1.0	Wed 1/9/13	Wed 3/20/13	100%
Develop and Field 52NSOS 1.0	Tue 2/26/13	Fri 9/13/13	73%
Develop and Field ncSOS 1.0	Thu 3/21/13	Thu 8/29/13	35%
Milestones and AGM	Fri 9/13/13	Fri 9/13/13	0%
Maintain and operate the routine harvesting of service metadata into Service Registry	Tue 2/26/13	Wed 2/19/14	100%
Conduct post fielding test of IOOS SOS Version 1.0	Thu 4/25/13	Thu 1/16/14	18%
Develop and Field System Test Tool	Fri 1/17/14	Tue 1/28/14	13%
Develop NetCDF Compliance checking tool	Mon 6/17/13	Fri 11/29/13	26%
Provide Geoportal enhancement support	Wed 1/9/13	Wed 3/13/13	99%
Integrate other metadata dialects and services	Wed 1/9/13	Thu 8/1/13	99%
Improve support for dataset and dataset series metadata	Fri 8/2/13	Tue 3/18/14	75%
Maintain and Operate nclSO	Wed 1/9/13	Mon 9/30/13	99%
Develop and Field 52NSOS OX Framework	Mon 6/17/13	Fri 11/8/13	0%
Maintain Python Library	Wed 1/9/13	Wed 12/25/13	61%
Develop Java SOS/SWE Parsing Library	Mon 6/17/13	Wed 9/4/13	100%
Develop NetCDF Java IOSP	Thu 9/5/13	Wed 11/6/13	71%
Develop and maintain ncToolbox (MATLAB Tool)	Thu 11/7/13	Mon 1/6/14	0%
Develop ArcGIS Tool EDC	Thu 11/7/13	Wed 1/8/14	23%
Integrate Glider Map	Wed 1/1/14	Thu 2/27/14	0%
Determine Exchange File format for Glider Data	Mon 6/17/13	Tue 7/23/13	100%
Establish Glider DAC	Fri 2/15/13	Wed 7/3/13	100%
Develop and Field 52NSOS Archive Tool	Mon 9/16/13	Mon 11/25/13	0%
Research integration of "describe sensor" responses into metadata	Wed 1/9/13	Tue 10/1/13	100%
Create Template for IOOS SOS 2.0	Fri 1/17/14	Wed 4/16/14	0%
Update clients for SOS 2.0	Thu 4/17/14	Thu 6/5/14	0%
Develop and Field 52NSOS 2.0	Thu 4/17/14	Mon 12/1/14	0%
Conduct post fielding test of IOOS SOS Version 2.0	Tue 4/15/14	Wed 5/27/15	0%
Maintain IOOS metadata in Ocean.Data.Gov and GEOSS Common Infrastructure	Wed 1/9/13	Thu 9/26/13	81%
Develop and Field 52NSOS SOS Mediation Tool	Fri 1/17/14	Thu 2/13/14	0%
Develop and Field 52NSOS QARTOD ETL	Mon 6/17/13	Fri 9/20/13	0%
Develop and Field ncSOS for IOOS SOS 2.0	Tue 4/15/14	Mon 11/17/14	0%
Develop WMS Server Code	Wed 1/9/13	Thu 12/12/13	99%
Develop a metadata monitoring dashboard	Wed 1/9/13	Tue 12/10/13	71%
Develop and provide training and documentation to data providers	Wed 1/9/13	Tue 10/22/13	86%
FY13 Funding Provided	Fri 6/14/13	Fri 6/14/13	100%
Create Amazon AML for IOOS	Mon 6/17/13	Fri 9/6/13	25%

FY2013 Work Plan Highlights

- ncSOS and 52North SOS servers
- Client libraries for SOS
- Utilities to support testing and validation, QC, Archiving etc
- Registry/Catalog

Hybrid data service environment



Client toolkits

- PyOOS: A Python library for collecting Met/Ocean observations ([Github](#) | [PT](#))
- PAEGAN: The Python CDM for Met/Ocean data ([Github](#) | [PT](#))
- ioos_sos_parser: Parse SOS SWE and convert to netCDF ([Github](#) | [PT](#))
- EDC: Updates to the ASA/NMFS Environmental Data Connector ([Github](#) | [PT](#))
- And at least 5 more libraries for metadata parsing and translation, netCDF validation, Matlab access etc ([Github](#) soon)

Testing and Validation

- SOS Validator ([Github](#)|[PT](#))
- netCDF CF Compliance Checker ([PT](#))

FY 2014 Planning

- SOS 2.0
- System Integration Test
- Registry/Catalog
- <https://github.com/ioos>

Government Open Source Projects

A dynamically generated list of open source projects hosted on GitHub

github.com/ioos

Advanced Distributed Learning Network (30)

3D-Repository

JavaScript ★ 19 ↗ 6

The ADL 3D Repository is a website for uploading, finding, and downloading 3D models.

Last Updated 3 months ago

ADL_LRS

Python ★ 43 ↗ 27

ADL's Open Source Learning Record Store (LRS) is used to store learning data collected with the Experience API.

Last Updated 3 hours ago

Bookmarklet

JavaScript ★ 7 ↗ 1

This bookmarklet sample is used to report informal learning to a Learning Record Store (LRS) using the Experience API ("Tin Can API").

Last Updated 5 months ago

CMI-5_Spec_Current

★ 0 ↗ 0

Last Updated 4 months ago

experienceapi_client_examples

JavaScript ★ 8 ↗ 11

These client examples for the Experience API ("Tin Can API") can help you learn and get started using the new API.

Last Updated 7 hours ago

ITAEngine

C# ★ 0 ↗ 1

A prototype extensible intelligent tutoring framework designed to teach different types of subject matter on different platforms

