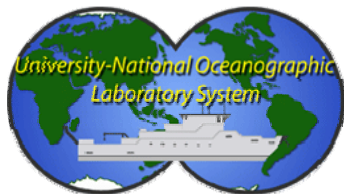




DATA MANAGEMENT BEST PRACTICES

UNOLS DATA COMMITTEE UPDATE

Robert Arko, LDEO
(for the Committee)



DATA MANAGEMENT BEST PRACTICES

COMMITTEE CHARGE

Ad Hoc Committee chartered by UNOLS Council, March 2007.

Charge: *“Report to the Council on current community-wide best practices in data and metadata capture when collecting data at sea.”*

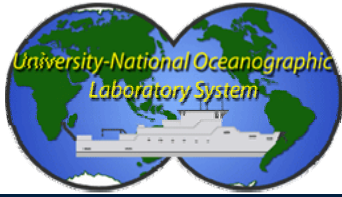
Initial term: 1 year.



DATA MANAGEMENT BEST PRACTICES

COMMITTEE MEMBERS

Miller, Steve	SIO (Co-Chair)
Arko, Robert	LDEO (Co-Chair)
Case, Jim	UNH
Chandler, Cyndy	WHOI
Chapman, Piers	TAMU
Fanning, Bill	URI
Forcucci, David	USCG
Graybeal, John	MBARI
Johnson, H. Paul	UW
Measures, Chris	UH
Mendelssohn, Roy	NOAA
Smith, Shawn	FSU



DATA MANAGEMENT BEST PRACTICES

COMMITTEE OPERATION

E-mail list

★ Web portal data.unols.org

Telecons

Meetings of opportunity

The screenshot shows a web browser window displaying the agenda for a meeting. The URL is <http://data.unols.org/meetings/2007-09-28/agenda/>. The page features a navigation menu on the left with 'Home' highlighted by a red arrow. The main content area is titled 'Agenda' and includes the following information:

- by [Stephen Miller](#) — last modified 2007-09-28 12:52
- Friday September 28, 1100 PDT (1400 EDT)
- UNOLS Ad-Hoc Committee on Data Management Best Practices
- Project Kickoff Teleconference
- Logistics

what	Meeting
when	2007-09-28 from 11:00 to 12:00
where	1-800-531-3045
contact name	Stephen Miller
contact email	spmiller@ucsd.edu
contact phone	1-858-534-1898
add event to calendar	vCal (Windows, Linux) vCal (Mac OS X)

Prior to the telecon, it is recommended that you browse our Committee web site <http://data.unols.org> and download 3 documents:

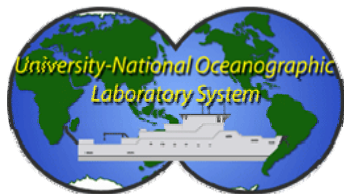
- The draft charter
http://data.unols.org/charter/Data_Practices_terms_of_ref.doc/view
- The draft report on the survey
http://data.unols.org/initial-survey-of-data-management-issues/Survey_response_discussion.doc/view
- The Committee Categorization
http://data.unols.org/initial-survey-of-data-management-issues/Committee_categorization.xls/view

Our first phone/web conference is scheduled for Friday, September 28th. The conference will begin at 11:00 am (West Coast), 2:00 pm (East Coast). To participate in the conference:

Dial [1-800-531-3045] and enter the Passcode 8042845, followed by the # key.

Participants that dial in before the host (Mike Prince) will be on music hold until the host joins.

Web conferencing will be used to view committee documents during our discussion. The service is available for log-in 10 minutes prior to the conference start time (please sign-in early so that we can begin at 11:00 am PDT). Please note: The web conference service will NOT work with Netscape, but does work with Safari and other browsers. Instructions for entering the web conference follow:



DATA MANAGEMENT BEST PRACTICES

COMMITTEE CALENDAR

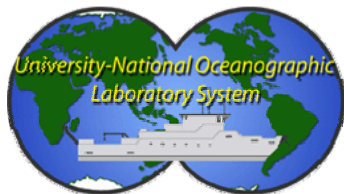
09/05 - launch Web portal

09/28 - kickoff telecon - introductions, survey, review charter and scope

10/11 - report to Council

11/06 - report to RVTEC

12/12 - Fall AGU meeting



DATA MANAGEMENT BEST PRACTICES

INITIAL ACTIVITIES

1. Refine our charter.

“Report on best practices for data and metadata capture at sea and make recommendations for improvement”. ★

Approach: broadly top-down, not detailed bottom-up.

2. Define our audience - the UNOLS community.

- Platform operators
- Data producers (both acquisition and processing)
- Data managers
- End users (scientists, students, etc)

3. Survey of priorities.



DATA MANAGEMENT BEST PRACTICES

SURVEY RESULT

Top issues:

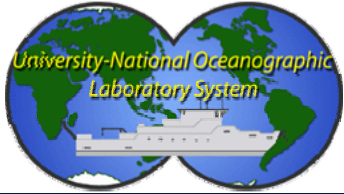
- Shipboard metadata creation
- Shipboard data quality control
- Shoreside quality control

Mid-level issues:

- Dissemination to repositories
- Shipboard archiving and reproduction
- Shipboard data access
- Shoreside data access

Other issues:

- Data transport to shore
- Foreign clearance requirements
- Dissemination to scientists



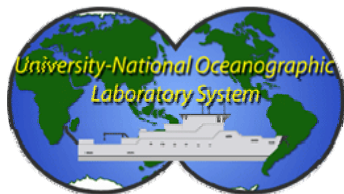
DATA MANAGEMENT BEST PRACTICES

REVIEW RELATED EFFORTS

- ICES Cruise Summary Reports (ROSCOP)
- E.U. SeaDataNet project
- Marine Metadata Interoperability (MMI) project
- ★ • POGO/SCOR Data Management Best Practices guide, workshop
- IODP Scientific Earth Drilling Information Service
- IODE Ocean Teacher guides

- RVTEC survey (“Automated Metadata Transfer”)

- repositories at operators’ home institutions

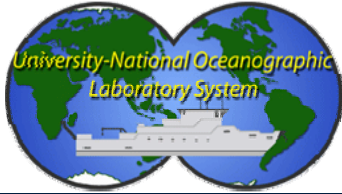


DATA MANAGEMENT BEST PRACTICES

NEXT STEPS

1. Identify minimum standard set of metadata + data products.
 - expedition details (platform, science party, ports/dates, ...)
 - data inventory (samples, files, observations)
 - processed products (navigation, MGD77/JGOFS files, ...)

(etc)
2. Identify optimal path for flow of products from ship to shore.



DATA MANAGEMENT BEST PRACTICES

FEEDBACK WELCOME

Committee materials and outcomes will be continuously posted -

<http://data.unols.org>

Feedback will be solicited at meetings of opportunity e.g. RVTEC.

Drop a line to any committee member or to the UNOLS Office -

office@unols.org