

WORKSHOP
Zooplankton Data and Information Infrastructure
for the CA Current Large Marine Ecosystem (CCLME)
Including Mexico, USA and Canada
Location: Scripps Institution of Oceanography La Jolla, CA
Date June 9-10, 2009

Statement of Purpose:

Data networks –formal and informal - support contemporary science and are required to address global resource management issues. Information infrastructure provides the framework to support the alignment of technical, organizational, and social elements that enable data networking. This workshop will focus on developing a community understanding of the framework required to create a useful and sustainable data network for zooplankton data in the CCLME.

Objectives:

- Distribute a pre-meeting survey to develop the foundation for a mutual understanding of regional zooplankton information infrastructure components;
- Refine survey information with working group discussions: data measurements, data use, data networks, and data sharing objectives;
- Based on working group findings, draft working standards and vocabularies to support a CCLME zooplankton data and information infrastructure;
- Form a working group to develop and execute a collaborative plan for “next steps” to extend CCLME infrastructure elements in accordance with other National and International efforts including the NOAA IOOS Data Integration Framework.

Background:

The NOAA Integrated Ocean Observing System (IOOS) program office has initiated development of a Data Integration Framework (DIF) to establish the technical infrastructure, standards, and protocols needed to improve delivery of seven key physical data variables describing ocean and coastal conditions, including: sea surface temperature; salinity; sea level; currents; ocean color; waves; and winds.

NOAA and other agencies that manage living marine resources are interested in enhancing and expanding the DIF beyond the initial core variables. The inclusion of biological data into the DIF will support a full range of ecosystem assessments, contributing to a broader understanding of the impact of climate change on ocean and coastal ecosystems; enabling resource managers to more fully meet management objectives; and enhancing communication and collaboration.

A 2009 PaCOOS data information infrastructure workshop will begin evaluating requirements for development of an infrastructure to share regional zooplankton data in the CCLME. Approximately 25 zooplankton scientists and data managers from the major regional institutions will attend a two day workshop supported by the NOAA IOOS Program and Scripps Institution of Oceanography.

The outcome will be an understanding of information frameworks; a set of best practices and working standards for the CCLME zooplankton data; and a plan forward for expanding beyond the region to the larger biological data community, ensuring development of standards and vocabularies as part of an infrastructure for wider data integration.

DRAFT Invited attendees.

| Scientists | Information Managers | Program Managers |
|---|--|--|
| Canada DFO Nanaimo: Dave Mackus | Canada DFO Nanaimo: Deborah Faust | Sharon Mesick (NOAA NESDIS NCDDC-Stennis, MS) |
| NaNOOS/University of WA: Jan Newton | NaNOOS: Emilio Mayorga | Jeff Delabeaujardiere (NOAA IOOS) by phone |
| NOAA NMFS NWFSC/Newport: Bill Peterson | NMFS/Newport: Cheryl Morgan | Bruce Morris (NOAA NESDIS NCDDC La Jolla) |
| NOAA NMFS HQ S&T Todd O'Brien | | Jim Sargent (NOAA NMFS HQ S&T) |
| NOAA NMFS/SWFSC Andy Leising | | Jonathan Phinney (NOAA NMFS SWFSC) |
| NOAA NMFS/Humbolt: Eric Bjorkstedt | | Rosa Runcie (NOAA NMFS SWFSC) |
| Bodega Survey: Bill Sydeman Farallon Research Institute | Monterey/CeNCOOS: Steven Le | |
| Monterey/CeNCOOS: Francisco Chavez Monterey/SCB: Baldo Marinovic | | |
| SCB/SIO-LTER: Mark Ohman SCB/CalCOFI-SIO: Tony Koslow SCB/CalCOFI-SWFSC: Sam McClatchie SCB/SWFSC- <i>-emeritus</i> ; SIO Paul Smith | SCB/SIO: Karen Baker SCB/SIO: Lynn Yarmey SCB/SIO: Mason Kortz SCB/SIO: James Conner SCB/SIO: James Hayes SCCOOS: Jen Bowen | |
| SCB/IMEOCAL CICESE: Tim Baumgartner | | |

PaCOOS Data Management Workshop
The Martin Johnson House, Scripps Institute of Oceanography, La Jolla CA
June 9-10 2009

AGENDA

Tuesday June 9, 2009

Session 1 (3.5 hrs)

8:30 – 12noon

- Introductions and overview of meeting objectives (Jonathan Phinney)
- Presentations
 - The IOOS Data Integration Framework (Jeff de La Beaujardière, IOOS Program Office) (by phone)
 - Regional Ecosystems Data Management: using standards to develop rich search capabilities (Sharon Mesick, NCDDC)
 - Case Study: Zooplankton Atlas (Todd O'Brien)
- Break (*Coffee and snacks on site*)
- Presentations
 - Review of existing community practices and standards (Karen Baker)
 - Zooplankton Data Organization and Online Delivery (Mark Ohman)
 - Zooplankton data Cross Comparative Work (Baldo Marinovic)
 - Review Survey Results – what are we doing in the region? (Jonathan Phinney/Karen Baker)
- Synthesis of presentations / charge to working groups – how can this information be synthesized into an approach for PaCOOS?

12noon-1PM Lunch Break (*lunch brought in on site*)

Session 2 (3.5 hrs)

1:00-4:30 PM

- Recap prior session and break out into working groups
- Attendees will be broken out into three working groups. Each group will spend 45 minutes focused on one of three questions (derived from the pre-meeting survey.)
 - Session 1: 1:15 – 2PM (break)
 - Session 2: 2:15 – 3PM (break)
 - Session 3: 3:15 – 4PM
- Groups reform to single group and review group findings (posted around the room)

Social Hour (5-7PM)

Wednesday June 10

Session 3: (3.5 hrs)

8:30-12noon

- Recap prior session, synthesize results
- What are the next steps for this group
 - Formation of collaborative teams to continue efforts;
 - External outreach to wider community;
- Draft meeting summary
 - What have we accomplished?

12noon-1PM Lunch Break (*lunch brought in on site*)

Adjourn formal meeting

1PM – 4:30 informal work sessions proposed