

# CoRIS Meeting Notes

*June 2, 2004*

## Agenda

- (1) CoRIS Team visit to NMFS Coral Reef Ecosystems Division  
Parmesh and Doug reported that meetings with project scientists and staff were very productive. Over 300 data products were identified and will be documented with metadata (**see attached report**)
- (2) CoRIS Editorial Board Meeting  
CoRIS accomplishments, plans and issues will be presented to the Editorial Board on June 9. Contract support staff are asked to come to the meeting to be introduced to the Board, and to show the board the level of support needed for CoRIS operations.
- (3) 10<sup>th</sup> International Coral Reef Symposium  
We have not found a way to fund Mark McCaffrey's travel to the conference and are in need of a person to present Mark's CoRIS talk. Shauna Slingsby will consider it, depending on her schedule at the conference. Lindsey will check the list of NOAA participants for a likely volunteer. Mark will check the time of the presentation, and offered to help develop presentation slides.
- (4) Fiscal Year 2005 Plan  
The CoRIS project proposal is due July 15 and team members are asked to provide input to the plan. A draft plan will be distributed for comment.

## Discussion and Announcements

- Mark Eakin noted that the Florida Keys National Marine Sanctuary is planning a state-of-the-sanctuary conference in August. Details will be distributed. Mark also reported on the Coral Reef Ecosystem Integrated Observing System Workshop held in Boulder. As a result of the workshop, coral monitoring and observing systems will be more integrated than in the past.
- Harry Iredale reported that CoRIS now has 500 metadata records, which is a 100% increase so far this fiscal year.
- Tony Picciolo completed an essay on genetics in corals and forwarded it to Tom LaPointe's team for editing and final preparation for the Web site. Tony also has completed over 1,300 new terms for the glossary, and is now finding photos to accompany some of the terms.

- Sheri Phillips reported on the team visit to CRED, and noted that most people there asked for metadata templates to be used in future metadata files.
- Anna Fiolek said that a meeting is planned between NOAA Library CoRIS staff and Roger Griffis to gather requirements for improvements. John Relph, computer specialist, will be invited to the meeting.
- The “CoRIS Metadata Standards and Guidelines” document was recently revised by the Metadata Team. In the future it will serve as a technical document that accompanies a Web section in CoRIS for data contributors.
- Mark McCaffrey announced that his work with NCDC is being terminated, and that he will now work with the Cooperative Institute of Research in Environmental Sciences. We hope Mark will be able to continue working with CoRIS.

# **CRED - CoRIS Workshop on Metadata**

May 17-21, 2004

NMFS Pacific Islands Fisheries Science Center (PIFSC)  
Kewalo Research Facility  
1125 B Ala Moana Blvd.  
Honolulu, HI 96814

At the invitation of Rusty Brainard of the PIFSC Coral Reef Ecosystems Division (CRED), NOAA Coral Reef Information System (CoRIS) representatives Parmesh Dwivedi, Doug Hamilton and Sheri Phillips met with scientists and data managers in the PIFSC Kewalo Research Facility. This document summarizes meeting goals, schedule, participants and results.

## **GOALS**

Scientists and data managers:

- § will understand how their data and publications are accessible through CoRIS
- § will feel confident to produce metadata, working with CoRIS metadata staff
- § will know what assistance can be expected from CoRIS metadata staff
- § and CoRIS will define requirements for developing software and procedures to automate metadata creation, as much as possible
- § will be acquainted with software tools for creating metadata
- § will understand minimum CoRIS requirements for metadata content
- § will have sample metadata records to use as references
- § will know how to send metadata to CoRIS, and who to contact with questions
- § will understand the relation between CoRIS and the current NODC / NCDDC Liaison in Hawaii,  
and when to send data or metadata to each
- § will welcome CoRIS back

## **SCHEDULE**

**Monday, May 17 :**

Morning (PIRO office) - General session for ALL (23 CRED staff members)

8:00 am

Welcome, Introductions, and Goals (Rusty Brainard, Parmesh Dwivedi)

- Pat Caldwell of NODC (at University of Hawaii)

- individual introductions by CRED staff members (23)

CoRIS Overview (Parmesh Dwivedi)

CoRIS and your metadata (Doug Hamilton)

How to create metadata, and metadata tools (Sheri Phillips)

LUNCH: At Food Court of Ala Moana Shopping Center

Afternoon (PIRO office) Cross-Team session for Video and Still Camera Images

Group work session with Sheri and Doug

Towboard Team: Matt Dunlap, Casey Wilkinson, Joe Laughlin

Habitat Mapping Team: Megan Moews

The following joined the session half-way:

Habitat Mapping Team: Michael Noah , John Rooney, Michael Parke

REA Team: Jean Kenyon

Oceanography Team: Kevin Wong

ended 4:30-5:00 pm

**Tuesday, May 18** : All day for Towboard Team

Morning (PIRO office) - Towboard Team

8:00 am Group work session with Sheri and Doug and Parmesh

Molly Timmers, Joe Laughlin, Steph Holzwarth, Ron Hoeke, Hai Ying Wang, Casey Wilkinson; Michael Parke (Habitat Mapping Team)

LUNCH at Kewalo Park (overlooking the surf at Ala Moana Beach)

Afternoon: Parmesh Dwivedi visit Pat Caldwell and met with Lucas Moxey and Jeff Polovina of CoastWatch at U.H.

Afternoon (Kewalo Research Facility) - Towboard Team

Individual work sessions with Sheri and Doug

Molly Timmers,  
Steph Holzwarth,  
Hai Ying Wang

ended 4:30

**Wednesday, May 19 :** All day for Oceanography / CREWS Mooring Team

Morning (Kewalo Research Facility) - Oceanography / CREWS Mooring team

Group work session with Sheri and Doug and Parmesh

Ron Hoeke, June Firing, Kevin Wong, Sunny Bak

LUNCH at Kewalo Park (overlooking the surf at Ala Moana Beach)

1:15 Review and Plans Meeting with CRED staff (Parmesh and Doug)  
- followed by Group Ice Cream

Afternoon (Kewalo Research Facility) - REA Algae Team

Individual work session with Sheri and Doug

Peter Vroom, Kim Page

**Thursday, May 20 :** All day for Habitat Mapping Team

8:00-9:00 am meeting with Parmesh (before his flight back to D.C.)

Morning (PIRO office) - Habitat Mapping Team

Group work session with Sheri and Doug

Joyce Miller, Scott Ferguson, Michael Parke, John Rooney, Megan Moews, Joe Chojnacki; Hai Ying Wang, Sunny Bak, Robert O'Connor (PIRO)

Afternoon (PIRO office) - Habitat Mapping Team

Individual work session with Sheri and Doug

John Rooney and Sheri (until 3:30 pm)

Afternoon (Kewalo Research Facility) - Marine Debris Team

Group work session with Doug

3:00 - 4:30: Jake Asher, Liz Keenan, Christy Kistner, Oliver Dameron

**Friday, May 21:** All day for REA Team

Morning (Kewalo Research Facility) - REA Team

Group work sessions with Sheri and Doug

9:00 am REA Fish Team: Ed Demartini, Rob Schroeder

10:30 am REA Coral Team: Jean Kenyon

PIFSC Staff Members (non-CRED) also participated in this session:

Brent Miyamoto, Christopher Tokita, Vikram Khurana

1:00 pm REA Inverts Team: Scott Godwin (ABSENT)

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## **PARTICIPANTS**

### **CRED Research Teams and staff members:**

Rusty Brainard, Chief of CRED (Coral Reef Ecosystem Division at NMFS PIFSC)

Michael Noah, Assistant to Chief of CRED

Darryl Tagami, Data Management

Sunny Bak, Data Management

### **Towboard Team**

Rusty Brainard, PI

Steph Holzwarth

Ron Hoeke

Molly Timmers

Matt Dunlap

Casey Wilkinson

Joe Laughlin

Hai Ying Wang

### REA Team

Ed Demartini, PI for Fish  
Rob Schroeder, PI for Fish  
Jean Kenyon, PI for Corals  
Peter Vroom, PI for Algae  
Kim Page, algae researcher

### Oceanography Team

Rusty Brainard, PI  
June Firing  
Ron Hoeke  
Kevin Wong  
Sunny Bak

### Benthic Habitat Mapping Team

Joyce Miller, PI  
Scott Ferguson, PI  
Michael Parke, GIS Specialist  
John Rooney  
Joe Chojnacki  
Megan Moews

### Marine Debris Team

Jake Asher, Marine Debris Coordinator  
Elizabeth Keenan  
Christy Kistner  
Oliver Dameron

### PIFSC Staff (non-CRED)

Brent Miyamoto, Data Management  
Christopher Tokita, Data Management  
Vikram Khurana, Database Specialist/Computer Programmer

### PIRO (Pacific Islands Regional Office) Staff

Robert O'Connor

## **RESULTS**

### **Data sets identified during visits with CRED personnel**

May 17-21, 2004

***DRAFT being reviewed by CRED staff***

This is a summary of coral data sets collected by Pacific Islands Fisheries Science Center (PIFSC) Coral Reef Ecosystems Division scientists for which metadata will be developed. Data types are described within each of 5 teams. The number in parentheses at the end of each data set description is an estimate of the number of metadata records that are expected, based on our meetings. This number is not a goal to be met, but an estimate of the amount of metadata to be added to CoRIS. Given the numbers below, we estimate that over 300 metadata records will be produced in the coming months.

### **OCEANOGRAPHY**

- 1) Telemetered data from moorings – one metadata record per mooring. Metadata will be updated as data are added over time. (23)
- 2) Subsurface moorings – one parent metadata record per instrument type. CoRIS will make child records for each location. Metadata will be updated as data are added in time. (4)
  - a. Temperature
  - b. Wave and tide
  - c. Ocean Data Platform - CTD
  - d. Current meter
- 3) Surface drifters – one parent metadata record per cruise. CoRIS will add child records for each drifter deployment location. (9)
- 4) CTDs
  - a. NWHI permanent stations – one parent metadata record. CoRIS will add child records for each of the 10 stations. Metadata will be updated after each NWHI cruise. (1)
  - b. Shipboard – one parent metadata record per cruise. CoRIS will add child records for each CTD cast. (9)
  - c. Shallow water from a boat – one parent metadata record per cruise. CoRIS will add child records for each island/reef/bank location. (9)
- 5) Miscellaneous
  - a. Profiling radiometer – one parent metadata record per cruise. CoRIS will add child records for each island/reef/bank location. (9)
  - b. Shipboard observations – further discussion is needed. (9)
- 6) Shipboard ADCP – discuss with Pat Caldwell. (9)

## TOW BOARD TEAM

- (1) Navigation & Temperature/Depth – one dataset and metadata file per day for a total of about 120 files. (120)
- (2) Observer Fish Sheets – one metadata file per cruise. (9)
- (3) Observer Benthic Sheets – one metadata file per cruise. (9)
- (4) Video Fish files – one metadata file per cruise. (9)
- (5) Video Benthic files – one metadata file per cruise. (9)

## HABITAT MAPPING

- 1) NWHI Bathymetry Atlas – one metadata record for each of 30 bathymetry maps. (30)
- 2) Gridded bathymetry data – one metadata record per data set. (30)

## DEBRIS REMOVAL TEAM

- 1) Net analysis – one metadata record for the net analysis database. This database contains information about each net that was removed. (1)
- 2) Search and discovery – one metadata record per year for each island/reef/bank that is searched. Data consist of search tracks and locations of debris. (~50)
- 3) Crown-of-thorns starfish populations – one metadata record. (1)
- 4) Pearl oysters populations – one metadata record. (1)

## REA TEAM

- 1) Fish census – these data are sensitive, and further discussion is needed. References to published results will be included in CoRIS. (1)
- 2) Benthic invertebrates (1)
- 3) Algal biology
  - a. Species ID and counts - one metadata record per cruise or cruise leg. Results are published in journals. Access to data will be controlled by the chief scientist. (1)
  - b. Algal photos – described in the above metadata.
- 4) Coral populations – data will be available online and metadata will be developed as results are made available in published literature. Two publication references were provided for the Coral Library section of CoRIS. (1)