

Bi-Weekly Z-GRAM 13 June 2008

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The Z-gram- IOOS is an informal way of keep you up on what's going on in our NOAA IOOS Office and NOAA IOOS activities. Please advise of additional addrees, or if you are receiving and no longer want to receive. If you think others could benefit from the Z-gram please pass it on. If you want to see previous Z-grams go the IOOS website under program updates

Programmatics:

- Welcome in the IOOS Program:
  - Tracey McCray joins the IOOS Program for a detail through the NOAA Rotational Assignment Program. Tracey comes to us from Mary Glackin's, DUS, office and will work with us on PPBES and the annual operating plan.
  - Candice Rogers, a Hollings Scholar - joins us for 8 weeks. Candice, a sophomore fisheries student from the University of Arkansas will help us summarize IOOS-funded HABS activities
- FY08: **Congrats:** The following second year awards have been made: Developing the Hawaii-Pacific Ocean Observing and Information System; The Distributed IOOS Regional Data Node Framework - OPenNDAP; The following new FY08 awards have been made: Alaska Regional Coastal and Ocean Observing System 2008-2010; CeNCOSS - Long-term monitoring of environmental conditions in support of protected marine area management in central and northern California. The following Regional Association Cooperative Agreement was awarded: CaRA. Remaining awards: 2 RAs; 3 FY07 second year awards and 2 FY08 RCOOS awards.
- Congressional Report: **No change**
- FY09: The House Commerce-Justice-Science Appropriations Subcommittee on Thursday approved a draft fiscal 2009 spending bill for the departments of Commerce and Justice and a number of key science agencies, including NASA, National Science Foundation and the National Oceanic and Atmospheric Administration. The Commerce Department would receive \$8.7 billion, \$1.8 billion more than the amount provided for fiscal 2008 and \$500 million requested. That amount includes \$4.3 billion for the National Oceanic and Atmospheric Administration billion, \$400 million more than in fiscal 2008 and \$180 million more than in the president's request.
- FY10: **No change**
- FY11-15: IOOS has been actively coordinating across other NOAA programs to create linkages between our respective alternatives to strengthen IOOS program support across NOAA. Jack Dunnigan, NOS AA, has been reviewing the issues and concerns facing the NOAA program managers as they prepare program operating plans (POPs) in the FY 11-14 PPBES process, with particular focus on activities executed by NOS. The IOOS Program had the chance to brief Jack and

John Potts, NOS Acting CFO, this week. Thank you to Carl Gouldman who did a great job setting up the issues that the NOAA IOOS Program is facing.

#### Initial Operating Capability - Data Integration Framework (DIF)

- IOOS DMAC Standards Process: **WE NEED YOU**. Please log into the following website: <http://ioosdmac.fedworx.org/ioos/dmac.nsf/WhatsNew?OpenForm> and participate in the US DMAC standards process. NOAA submitted the following specifications to the DMAC standards process: OGC Sensor Observation Service - Basic Operations Profile; ISO 19128 / OGC Web Map Service and OGC Web Coverage Service
- What the DIF?: Web Services and Data Encoding (WSDE) Working Group
  - Vertical datum datum relative to local instantaneous sea level
    - Jeff worked with Oceans.IE to select appropriate datum identifier (EPSG:5113 from European Petroleum Survey Group database).
    - Edits were made to the DIF XML v0.6.1 to add corresponding URN (urn:ogc:def:datum:EPSG:5113) in <ioos:VerticalDatum> element.
    - The tracker database was updated and the WSDE was notified.

IWGOO: No update

Collaboration:(projects will stay on the email through to completion) **No Change**

- Army Corps of Engineers collaboration on a National Waves Plan: **No change**.
- NOAA-Navy collaboration on the GODAE server: **No change**
- Waves in PORTS@: **No change**
- IOOS and OBIS: **No change**

Other:

- **Rutgers University - Across the Pond**: As of 14 June, RU17 is located at 38°10.28'N, 56° 43.69'W. This mission requires continuous planning and re-planning based on the oceanographic conditions. The intended route is to follow the Gulf Stream to the Grand Banks, to near 50W. When the Gulf Stream splits near 45W, the aim is to take the southern route that continues straight across rather than the route to the northeast towards Norway. The glider usually flies between about 5 m and 100 m depth, and Rutgers uses the upper ocean forecasts to help them fly smart. The general plan was to get to 50W in the first month - so near June 21 and RU17 is close to being on track. So what causes the glider to get off track? It took longer to cross the Slope Sea than we wanted - there were no good warm rings to catch. Then time was made up beating the warm core ring formation back in the east. Rutgers was able to get RU17 around two warm core ring interactions near 58 W, but the Cold Ring near 56 W does not look as easy. They are trying to fly through the gap between the Gulf Stream north wall and the ring. The NCOM models say the gap is already closed, and we are going to be

going around the ring. SST imagery says some of the surface may be getting through. Surface drifters placed in one of the models say there might be a way through the gap. Ship obs from the region say the wind is 15 knots from the west. So we pulled Ru17 closer to the surface, running 5 m to 50 m to try to take advantage of the surface currents, and get us through this gap. So if Rutgers is able to maneuver RU17 through, they will be on target for 50W by June 21. If they have to go around the eddy with the model, we'll likely be a few days behind. Rutgers folks were in Madrid, visiting Puertos del Estado, the Spanish government agency that provides operational oceanographic and meteorological data and forecasts. Their host was Qualitas Remos, an industry partner, that is developing and operating the High Frequency (HF) Radar networks in Spain and around Europe. A Rutgers undergraduate student, Evan, will be spending a 10 week summer internship at Qualitas Remos and coordinate the pick up of RU17 as she makes it across the Atlantic. Be a part of this adventure by participating in the Across the Pond blog -

<http://rucool.marine.rutgers.edu/index.php/COOL-Blogs/>

- 2-3 June: NOAA IOOS Program (represented by Becky Shufford) teamed up with the NMFS to host a workshop - IOOS Regional Associations: Needs and Inputs for IEAs. Thank you very much to Elizabeth Clarke, Jonathan Phinney and Phil Levin (NMFS) for putting this together. The goals of the meeting were: (1) to continue collaborative conversations between PaCOOS and West Coast Regional Associations in order to continue cooperation to improve and develop a seamless west coast observing system and associated analytical tools, (2) to improve understanding of NOAA's IEA development within the Regional Associations, and (3) to engage Regional Associations in a conversation on their regional needs that can be met with IEAs and on what inputs that they can provide to "super-regional" IEAs (CC wide IEAs). The Executive Directors of Regional Associations of SCCOOS, NANOOS, CeNCOOS and AOOS participated with attendance from Academic, State and Federal Members of Regional Associations including EPA, Sanctuary, and NERRS participants. I have received feedback from the RAs and NOAA participants that this meeting was an outstanding venue to understand where we are going with regard to IEAs and how we can support each other.
- IOOS Program and Great Lakes Environmental Research Lab - OAR meeting: CAPT Chris Moore and Charly met with Steve Ruberg, GLERL, to discuss collaboration on DIF standards and HABs
- 3 June: NOAA IOOS Program (Zdenka, Timi, Jack) met with OR&R ERD - Seattle to discuss surface currents data input in the NOAA's HAZMAT models and response. Thank you very much to Debbie Payton, Bushy and Jack Harlan, who set this meeting up. We had an outstanding dialog on how NOAA IOOS and OR&R can continue to collaborate. A critical service that NOAA provides for the Nation and NOAA is fortunate to have experts such as Debbie and Bushy working this program. Jack Harlan is also working with Bushy and SCCOOS to ensure coordination for the NOAA HAZMAT oil spill drill in Southern California.

- **Completion of the RA Assessments - BRAVO ZULU to each of the 11 Regional Associations:** 4 June, 12 June - NANOOS, SCCOOS, CeNCOOS, PacIOOS Regional Assessments. First, thank you to Jan Newton and David Martin for hosting the Regional Assessment for NANOOS, SCCOOS, and CeNCOOS. We will be putting together an assessment after Gabrielle returns in August but I wanted to make several points:
  - Each region has capacity that complements the Federal Agencies efforts and you have worked extremely hard in setting up the Regional component of the coastal IOOS component.
  - I sincerely appreciate the efforts you put into these assessments and that the knowledge we have derived from these assessments is being used in many ways.
  - Even though this is a complex business model, we can together make it work.
- 13 June - Meeting with DHS - Science and Technology: I had the chance to meet with Matt Clark; Byran Roberts and Jeannie Lin of DHS, S&T. DHS has created 12 Capstone Integrated Product Teams to focus on a customer-driven approach to product transition. Two of those IPTs have some common threads with our IOOS community and NOAA. DHS S&T is awarding several Center's of Excellence - two of which - the COE for Maritime Island and Port Security and another COE for Natural Disasters, Coastal Infrastructure & Emergency Management. We will share information regarding projects we have funded and look for areas where the IOOS RA/RCOOS infrastructure and the DHS S&T infrastructure can be leveraged.

Congressional: **No update**

Communications:

- Working with each of the Regional Associations, NOAA has begun to do press releases with the awards of the RA/RCOOS cooperative agreements. They can all be found at: <http://www.noaa.gov/newsarchive.html>. To date:
  - 13 JUN: NOAA distributed press release for SECOORA
- 2 JUN: Univ. of Delaware pickup of Mid-Atlantic award press release.
- 13 JUN: Received media inquiry from a reporter named Liz Mitchell with the Island Packet daily newspaper in Hilton Head, South Carolina. We provided IOOS background and national perspective, then provided contact information for Rick DeVoe and Lynn Leonard.
- Marine Technology Reporter - May 2008 - picked up NOAA's press release on Data Integration.

Upcoming Meetings:

- 16 June: Timi Vann and Kim Cohen will brief the Senate Commerce, Science and Transportation Subcommittee Staff.

- 17 June: I, along with Bill Birkemeier (Ocean.US) will brief the newly formed ORRAP - Sub Panel on Ocean Observations.
- 19-20 June: I will attend NOAA's Workshop on Strengthening Capacity to Address the Impacts of Climate Change on Coastal Communities and Ecosystems.
- **25 June - NOAA Central Library Brown Bag Series - Jack Harlan will conduct an HF radar seminar from 1200-1300. Location SSMC#3, 2nd Floor.**

Cheers,  
Zdenka