

Z-GRAM 14 December 2007

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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.

Organize for outcomes:

- Program Office Stand up: We welcome Ms. Jennie Lyons who comes to us most recently from NBC News where she was a news producer and writer. Jennie has extensive experience in all aspects of media production and brings skills in science writing and publication. She is a journalist by training with a strong background in government and communications. She is part of our part of our Strategic Planning and Communications team and will serve as our Communications Specialist.
- **FY08: Under CR**
 - Senate Reports: My office is in the process of compiling programmatic information on IOOS activities for the 5 year implementation plan. Attached is our outline. Given the timeframe we have to write the report the strategy we are taking is looking at existing programmatic documentation to write the first draft and then work across the spectrum to socialize this report. From the regional perspective we are looking forward to the first version of the conceptual designs that each of the regions are preparing for NFRA by 20 December.
 - Competitive Process: NOAA received 27 proposals. The total request was for \$45M in the first year; \$127M over 3 years. NOAA/CSC began sending the proposals for mail review on 7 December. We are targeting 2 mail reviews for each proposal; reviews have been requested from over 45 reviewers to date. Mail reviews have been requested by January 15. We have an 11 member panel review that represent state agencies, academics, private industry, and 3 federal agencies. This mix of reviewers is a direct result of being able to interact with both IWGOO members and NFRA for a broad array of nominations for reviewers. THANKS.
- **FY09: No Change.** NOAA is working with OMB as this is the time of year the budget gets "passed back" to NOAA. This involves writing numerous impact statements and budget narratives. The budget becomes public when it is rolled out in early 2008.
- **FY10-14:** We had a chance to brief Steve Austin on 7 December. He is the Director of the Programming, Analysis and Evaluation (PA&E) within NOAA. The FY10-14 program plan is with his team and in January they will make their recommendations to the NOAA Executive Panel. Thank you to Suzanne, Carl and our LMI team (Tom and Tanya) for a great briefing.

Initial Operating Capability - Data Integration Framework (DIF)

- **Bumper sticker:** Data Integration Framework - First 12 months effort focused on integrating core variables has begun. The clock started 1 Feb 2007.
- **IOOS DMAC Standards Process:** Making significant progress. A conference call was held with the interagency oversight body, the DMAC Steering Team, to review polling procedures and use of the standards website (ioosdmac.fedworx.org) on November 28, 2007. A polling on a determination to move the 8 submitted standards to a proposed status was closed on December 7, 2007. The 8 submitted standards in consideration are:
 - IOOS Vocabulary Version 1
 - Required and Recommended Vocabularies for IOOS Metadata
 - Real-Time Quality Control Tests for In Situ Ocean Surface Waves
 - Data Access Protocol—DAP 2.0
 - High Frequency Radar Surface Currents
 - Standards package for the representation and transport of gridded data: netCDF+CF+OPeNDAP+aggregation
 - Quality Control Standards for Real-Time, In-Situ Currents Measured by Teledyne RD Instruments
 - Metadata Catalog Services

The DMAC Steering Team will meet via phone on December 17, 2007 to review the results of the polling and make a final determination on moving these standards to a proposed status according to the by-laws of the process. An announcement of the standards status will be made in the Federal Register and on various Agency websites to solicit public comment on the technical merit of the standards.

A face-to-face meeting is being sponsored by the NOAA IOOS Program for May 6-8, 2008 in Silver Spring, MD following the close of the public comment period. The purpose of the meeting will be to consider moving proposed standards to a recommended status, to consider the second round of submitted standards for consideration of a proposed status, and to review membership, governance and lessons learned from the first complete round of the standards process.

- **What the DIF?:** We held a DIF meeting on Dec 10-11. The purpose of the meeting was to detail to the task level the next steps for moving the Data Integration Framework forward to meet Annual Operating Plan milestones and demonstrate concrete incremental progress with our integration efforts. Attendees were CAPT Chris Moore, Charly Alexander, Marcia Weaks, Andrea Hardy, Bill Burnette, Carmel Ortiz, Rich Patchen, Bill Swart, Steve Hankin, Daniel Martin, Jack Harlan, Tom Crowley, John Dandy, Chung Wu, Julie Bosch (via phone), John Ulmer (via phone), Roy Mendelssohn (via VTC). .

IWGGO: Next meeting 30 January

- Dr. Spinrad has stepped down as chair of the IWGGO and Mr. John H. Dunnigan has assumed the chair of the IWGGO. I have been asked to be the NOAA rep for

the IWGOO and Mike Johnson will remain as the NOAA alternate. We had a principals only meeting on 10 December.

- The IWGOO Strategic Plan is still under review by ICOSRMI.
- OOI-IOOS white paper - NOAA has approved the handling of the comments provide back from the ICOSRMI review. All agencies of the IWGOO are similarly reporting their concurrence.

Collaboration:*(projects will stay on the email through to completion)*

- Bathymetric collection California and Interagency Partners: Based on the success between the state of CA and NOAA in this area, NOAA received a letter from Jessica Hamilton , Policy Advisor, National Resources office for the State of Oregon and I quote: "As you know, the draft Action Plan for the West Coast Governors' Agreement on Ocean Health called for the completion of a "seafloor map of the bathymetry and habitat of all state tidelands out to three miles." Your successful work in California leading up to our regional joint announcement reassured us that the three states will be able to develop a strong partnership with NOAA to accomplish this goal." NOAA POC is Roger Parsons.
- Army Corps of Engineers collaboration on a National Waves Plan: **No change:** Revised version which will ask for IWGOO and NFRA comments will be out in Jan 08. .
- 7 December: IOOS team met with the Coral Reef Ecosystem Integrated Observing System (CREIOS, the mapping and monitoring component of the NOAA Coral Reef Conservation Program), which focused on data sharing/data integration questions. CREIOS would like to contact IOOS RAs in regions where it has or would like to place sensors (PacIOOS, SECOORA, CaRA, possibly GCOOS); CREIOS funding is available to support this activity. We provided RA contacts and an introduction to CaRA PIs (of particular interest, as CREIOS has not been successful getting sensors into the U.S.V.I. or Puerto Rico).
- NOAA-Navy collaboration on the GODAE server: The GODAE server, located at the Navy's Fleet Numerical Meteorology and Oceanography Center, servers as 1 of two global ARGO sites and also as a conduit for Navy data and models to IOOS. This server was developed under the GODAE program through ONR. The time has come to determine the transition to this to operational system. NOAA, through the Office of Climate Observations, has agreed to provide the necessary costs to keep the GODAE server going through FY08 and the Navy has committed to meeting with NOAA to determine a longer term solution, www.usgodae.org.

Other:

- 7 December: IOOS team met with the Coral Reef Ecosystem Integrated Observing System (CREIOS, the mapping and monitoring component of the NOAA Coral Reef Conservation Program), which focused on data sharing/data integration questions. CREIOS would like to contact IOOS RAs in regions where it has or would like to place sensors (PacIOOS, SECOORA, CaRA, possibly

GCOOS); CREIOS funding is available to support this activity. We provided RA contacts and an introduction to CaRA PIs (of particular interest, as CREIOS has not been successful getting sensors into the U.S.V.I. or Puerto Rico).

- 4 December, Gabrielle Canonico and Mary Culver attended the CaRA Inaugural Meeting and General Assembly in Puerto Rico. Gabrielle delivered an IOOS overview and Mary talked about the FY08 competition and RA projects.
- 4-7 December, IOOS Deputy Director CAPT Chris Moore visited HI to get a “boots on the ground” assessment of IOOS capacity and capability in the PACIOOS region. A special thanks to Nori Soji, Chris Ostrander, and Jamie Carter for coordinating a thorough visit. We kept CAPT Moore fully engaged as he met with the following people to understand the challenges of integration and the unique skill sets offered by the Pacific Islands region: Ken Kaneshiro, Director of the UH Center for Conservation Research & Training, Kevin Montgomery the CEO of Intelesense (HHV), Brian Taylor, Dean SOEST (PACIOOS PI), Glenn Carter (Division of Physical Oceanography), Eric de Carlo (Department of Oceanography), Darren Okimoto & Dolan Eversole (Sea Grant/DLNR), Jim Potemra (International Pacific Research Center), Chip Fletcher (Coastal Geology Group), Mark Merrifield (UH Sea Level Center), Geno Pawlak (Department of Ocean and Resources Engineering), NOAA Integrated Data and Environmental Applications (IDEA) Center & NCDC Climate Services Division, Eileen Shea (EWC, Manoa Campus), The Hawaii Sections of the Marine Technology Society, PACON International, and IEEE, Mike Seki (Pacific Islands Fisheries Science Center), Jeff Polovina, Turtle Watch, Karen Sender, InPort, Bill Walsh, Longline data vetting, Rusty Brainard, Ecosystem Monitoring Papahānaumokuākea Marine National Monument, UH Hawaii Institute of Marine Biology HIMB participants: Jo-Ann Leong (Director), Jim Falter, Flo Thomas, Erik Franklin, USGS, Gordon Tribble, Henry Wolter, Mark Fornwall, Loyal Mehrhoff, and James Kauahikaua, USACE, Tom Smith, Jessica Podoski, NOS National Geodetic Survey, Ed Carlson, NWS Pacific Region HQ/Int’l Tsunami Information Center, Ed Young, USFWS Pacific Remote Islands National Wildlife Refuge Complex, Don Palawski, Hawaii Dept. of Land and Natural Resources/Div. of Aquatic Resources, Dan Polhemus, Pacific Tsunami Warning Center, Chip McCreery (Ewa Beach), Bishop Museum, Mike Shanahan, Leon Geschwind, Carolyn Kaichi .
- 5-7 December: I participated in the annual NOAA SES summit as NOAA starts to prepare for the upcoming transition in the administration. IOOS is a key component of NOAA's GEOSS, Coastal and Climate strategies. I also had a chance to speak to the NWS SES corps and briefed them on IOOS and in particular the activities of our Regional Associations/RCOOS. We provided POC for each of the regions to the NWS SESers. The briefing was well received and I encourage you to continue to forge relationships with our NWS WFOs in your regions.
- 13 December: CAPT Chris Moore spoke at the Gulf of Maine Ocean Data Partnership, www.gomodp.org, Annual Meeting. The purpose of the Gulf of Maine Ocean Data Partnership is to promote and coordinate the sharing, linking, electronic dissemination, and use of data on the Gulf of Maine region. The

participants have decided that a coordinated effort is needed to enable users throughout the Gulf of Maine region and beyond to discover and put to use the vast and growing quantities of data in their respective databases. And he even made it home on the last flight out of New Hampshire!!

- 13 December: We met with John Haines of the USGS to begin to explore new potentials for stronger partnerships. We will keep you in the loop as they develop.
- 14 December: Dr. Becky Shuford presented an overview of NOAA IOOS activities at AGU.

Congressional:

- During the Energy Conference, all but one of the Natural Resources Committee provisions (including the IOOS language) stripped from the HR.3221 at the request of Senators Domenici and Stevens.
- The IOOS provision will have to be re-introduced as a stand alone bill next session

Communications: *Check out the below videos on youtube:*

- CoML ocean observing video on biodiversity.
<http://www.youtube.com/watch?v=kXXzvGJCVAc>
- A companion video from the Partnership for Observation of the Global Oceans (POGO) on general ocean observations: <http://www.youtube.com/watch?v=Q5hnhNmGeh0>

Upcoming Meetings:

- 18-19 December: Director to visit Sennis Space Center for Navy Commander, Meteorological and Oceanographic Command - Change of Command/Retirement. RDML Tim McGee will turn over Command to RDML(sel) Dave Titely and RDML McGee will retire. I will also be talking with NDBC from a programmatic perspective, paying a courtesy call on Bryon Griffith, GOMEX EPA and NCDDC. We will also meet with Shell Oil on potential collaboration (Timi Vann, NOAA lead)
- 17 January (still working agenda/invites): NOAA and CA will review HF radar use to support oil spill response
- 27-29 May: Joint Assembly for AGU: As a NOAA rep to the US-GEO Outreach, Communications and Partnership group we submitted and it was accepted "GEOSS in the Americas: Coordinating Earth Observations and Earth Science in the Western Hemisphere" as a Union Session. We will seek to submit an IOOS related talk for that session. As well we are looking to have a town hall session titled "Development of the U.S. Integrated Earth Observation System."

Cheers,
Zdenka