

Bi-Weekly Z-GRAM 26 December 2008

www.IOOS.noaa.gov

The Z-gram is an informal way of keeping you up-to-date IOOS[®] activities. Please advise of additional addressees, 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. To see previous Z-grams go the IOOS Website under program updates.

IOOS[®] - Our Eyes On Our Oceans, Coasts and Great Lakes.

Happy Holidays from the NOAA Ocean Observing team at Wayne Avenue (Sliver Spring, MD)

The Twelve Days of IOOS

On the first day of IOOS, IOOS gave to US an office on an org chart

Permit me to publicly thank the very dedicated and hard working team of government and contractors who make up the NOAA IOOS Program and express my appreciation to a great team within the Office of Climate Observations. Together we strive everyday to implement the US IOOS plan from coastal to global.

On the second day of IOOS, IOOS gave to US ... 2 cross-cuts

- Alliance for Coastal Technology (ACT)
- Southeastern Universities Research Association - SURA Coastal Ocean Observing Prediction (SURA SCOOP)

And an office on an org char

On the third day of IOOS, IOOS gave to US ... 3 standards recommended

- 9 other standards made it to the submitted phase

2 cross-cuts

And an office on an org chart

On the fourth day of IOOS, IOOS gave to US ... 4 DIF Applications

Data Integration Framework (DIF)

- Harmful Algal Bloom: Surface currents are being delivered into the Gulf of Mexico HAB bulletin. The second phase is a partnership between NCCOS and CO-OPS to evaluate how new data sources now available through DIF would have improved HAB forecasts and continue to work with CO-OPS as they design the next generation of HAB-FS.

- Coastal Inundation: Partnership with CO-OPS and MDL, TPC and the WFOs – Slidell, and Wakefield to provide new visualization of water level data and SLOSH.
- Integrated Ecosystem Assessments: Partnership with SWFS - ERD division (Pacific Grove) and NCDDC. This effort focused on bringing DIF, REDM and ERDAP to provide the necessary baseline data for dynamic IEAs
- Hurricane Intensity: Partnership with NCEP and AOML to provide synthetic temperature profile data and hydrographic data in DIF format into HYCOM and HWRF.

3 standards recommended

2 cross-cuts

And an office on an org chart

On the fifth day of IOOS, IOOS gave to US ... 5 Golden Partners

IOOS Program and IOOS RAs have provide support across the nation (only a small sampling)

- NOAA: NWS/NECP/TPC and WFOs: Wakefield VA; Wilmington, NC; Newport NC; Sterling VA; Wakefield VA; Mt. Holly NJ; San Juan, Puerto Rico; WFO New York City/Upton, NY; Honolulu, HI; NOAA: OAR/GLERL and National Severe Storms Lab; NOS – OR&R, CO-OPS and NCCOSS; NMFS - North East and South West Fishery Science Centers
- Governors Alliance and State Agencies: Gulf of Mexico Governors Alliance, West Coast Governors' Agreement on Ocean Health, Northeast Regional Ocean Council; California Oil Spill and Response, many State DNERs, New Jersey Power and Energy; LA public works; and many others
- United States Army Corps of Engineers - dredging operations, waves plan
- Navy: Glider operations and training; marine forecasts in operational areas, key buoys in transit areas
- United States Coast Guard: Support to SAROPS (Search and Rescue Operations)

4 DIF Applications

3 standards recommended

2 cross-cuts

And an office on an org chart

On the sixth day of IOOS, IOOS gave to US ... 6 variables integrated

- Wind, waves, SST, salinity, currents at our partners CO-OPS, NDBC and 1 Regional Association – SECOORA; Very close on ocean color with partner Coast Watch 5 Golden Partners
- 4 DIF Applications
3 standards recommended
2 cross-cuts
And an office on an org chart

On the seventh day of IOOS, IOOS gave to US .. 7 Regional Collab teams supported

- We interacted and provided support to 7 of NOAA's Regional Collaboration Teams and we thank them for their support to IOOS

6 Variables integrated
5 Golden Partners
4 DIF Applications
3 standards recommended
2 cross-cuts
And an office on an org chart

On the eighth day of IOOS, IOOS gave to US, 8 Links to Ocean Programs

- Ocean Research and Resources Advisory Panel sub panel on observations, Ocean Biogeographic Information System, National Water Quality Monitoring Network; Marine Protected Areas Federal Advisory Committee; Hydrographic Services Requirement Panel – Federal Advisory Committee; GEO Portal, Ocean Observatories Initiative and Integrated Ocean and Coastal Mapping.

7 Regional Collab
6 Variables integrated
5 Golden Partners
4 DIF Applications
3 standards recommended
2 cross cut
And an office on an org chart

On the ninth day of IOOS, IOOS gave to US, 9⁷ Observations Served

- Over 4.5M observations from non-National Buoy Data Center (NDBC) observations systems, RA and Industry observation platforms were processed by NDBC's IOOS Data Assembly Center

8 Links to Ocean Programs
7 Regional Collab
6 Variables integrated
5 Golden Partners
4 DIF Applications
3 standards recommended
2 cross cut
And an office on an org chart

On the tenth day of IOOS, IOOS gave to US, 10² HFR serving currents

- We reached the 100 mark on HFR! Data, not just pictures, are being served by our Data Assembly Centers at NDBC, Scripps and Rutgers

9⁷ Observations Served
 8 Links to Ocean Programs
 7 Regional Collab
 6 Variables integrated
 5 Golden Partners
 4 DIF Applications
 3 standards recommended
 2 cross cut
 And an office on an org chart

On the eleventh day of IOOS, IOOS gave to US, 11 RCOOS Succeeding

- Bravo Zulu to Regional Associations/Regional Coastal Ocean Observing Systems: AOOS, CaRA, CenCOOS, GCOOS, GLOS, MACOORA, NANOOS, NERACOOS, PacIOOS, SCCOOS, SECOORA,

10² HFR serving currents
 9⁷ Observations Served
 8 Links to Ocean Programs
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 3 standards recommended
 2 cross cut
 And an office on an org char

On the twelfth day of IOOS, IOOS gave to US - 12 Programs in GCOS

- Global Coastal Climate Observation System reached 60% complete

11 RCOOS Succeeding
 10² HFR serving currents
 9⁷ Observations Served
 8 Links to Ocean Programs
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 And an office on an org chart!

Other:

- **IOOS/Office of Climate Observations hosted the Korea Ocean Research & Development Institute (KORDI):** We had a wonderful visit and exchange of information with Dr. Dosoo Jang, and Dr. Kim Dongsung of KORDI with our team. Dr. Jang provided an overview of the Korean Ocean Observing Program. I was able to provide a IOOS update; Syd Thurston provide a GOOS update and Kathy Crane provide an Arctic update. We had many of the same challenges that we shared. Thank you to Ami Kang, IOOS, for setting this up.
- **Upcoming Workshop: LSU Grand Challenge:** Grand Challenges in Coastal Resiliency I: Transforming Coastal Inundation Modeling to PublicSecurity to be held 20-21 January 2009 at the Lod Cook Hotel andConference Center on LSU Campus. Specifics about the conference can be found at the following web site:<http://www.research.lsu.edu/csa/grandchallenge/> DATE: 20-21 January 2009; The Grand Challenge will focus on the Four Panels, to facilitate expert presentations and group discussions on how to leverage existing and improved research resources to improve emergency operations and regional planning. For more information please contact Dr.Robert R. Twilley, Professor, Department of Oceanography and Coastal Sciences, Associate Vice Chancellor, Research and Economic Development, rtwilley@lsu.edu, Phone messages: (225) 578-8810

Have a wonderful Holiday season; the Z-gram will take a break until mid-January 2009.

Cheers,
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