

Bi-Weekly Z-GRAM 8 February 2008

[www.IOOS.NOAA.gov](http://www.IOOS.NOAA.gov)

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

Programmatic:

- FY08: This week, NOAA IOOS received our FY08 allotment. We are working with NOS staff to finalize external NOAA funding recommendations with a goal of having that information out to the community by the end of next week.
  - Senate Report: We completed the draft report. Now I will begin the review process within NOAA.
- FY09: The President's Budget Request contains 21M for FY09 and increase of \$7M from FY08. NOAA provides a budget "blue book" that outlines NOAA's budget plans. Please go to [www.noaa.gov](http://www.noaa.gov) to see the "blue book."
- FY10-14: We are in the Budgeting Phase within NOAA
- FY11-15: We have begun a business case process that is required for the IOOS program through this cycle. Thanks to Dr. Hauke Kite-Powell who we have reached out to. We are using the WHOI-2005-03 Technical Report - Estimating the Economic Benefits of Regional Ocean Observing Systems - April 2005 as one of our starting points.
- Welcome Aboard: Ms. Ami Kang joined us as a Knauss Sea Grant Fellow. She is working on her PHD at the University of Delaware. She will work a number of programs to include PPBES coordination across NOAA programs, and the interagency working group on Ocean Observations.

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: We need everyone's participation - get linked into the DMAC process by visiting [www.ioos.noaa.gov](http://www.ioos.noaa.gov) - top left hand corner links you to the interagency DMAC website - request registration and you are involved.
  - Winds Data content standard: The draft existing data content model for scalar/vector variables was sent to selected subject matter experts in winds data within NOAA for evaluation this week, in order to determine the feasibility of using the draft and tweaking it to establish the data content model for winds (Miller/MADIS, Hankin/PMEL, Burnett/NDBC, Bosch /NCDDC, Hardy/CO-OPS, Martin/CSC).
  - Ocean color content standard: The draft data content model for scalar/vector variables was sent to selected subject matter experts in

satellite ocean color within NOAA to determine feasibility for satellite-derived ocean color. Emails were exchanged and a concall was completed per a content model and transport service ocean color data (Bosch/NCDDC, Digiacomo/NESDIS-CW, Singha & Stathoplos/NESDIS-OSDPD) .

- The above NOAA standards will then be submitted to the US DMAC process
- What the DIF?: A majority of our DIF team is meeting with DMAC Regional leads and Focus Area 3 PIs to brief the Regions on the DIF and DMAC process to ensure both sides of the partnership have a good understanding of how to move forward together. Results will be conveyed in the next Z-gram.

IWGOO: Next meeting 4 March:

- IWGOO IOOS Strategic Plan: Comment received from the Coast Guard was incorporated. The IWGOO Exec Sec will work up the paperwork to publish the IWGOO IOOS Strategic plan for public comment using a Federal Registry Notice.
- OOI-IOOS white paper: **No update.**

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

- Bathymetric collection California and Interagency Partners: **No change.**
- Army Corps of Engineers collaboration on a National Waves Plan: Army Corps is working with ACT to finalize the initial set of comments. This document will then go to the IWGOO and NFRA for agency and NFRA comments. .
- NOAA-Navy collaboration on the GODAE server: NOAA is determining services required by the GODAE server. NFRA is compiling use of information from GODAE server and Mike Johnson (NOAA/Office of Climate Observations) for the Argo program. We are working with CAPT Mike Angove, USN - Naval Deputy to NOAA - to arrange for a meeting between NOAA and the Navy in March to understand next steps. There is discussion within the Navy on decreasing web presence and we are not sure how this will affect the GODAE server. Appreciate NFRA working with us to understand full needs of services from the GODAE server.
- Waves in PORTS®: NOAA (IOOS and CO-OPS) met with Julie Thomas (Scripps/CDIP) and Bill Birkemeier (ACOE) to discuss feasibility of bringing operational waves data into the CO-OPS PORTS® system with a possible pilot application at Long Beach/Los Angeles harbor. Discussions included developing “standards” for waves data. CO-OPS and Scripps/ACOE will move forward with this and foundation for “standards” will be further discussed with Julie and others in Charleston this week at the DMAC meeting.

Other:

- 7 February: University Consortium for Geographic Information Science (UCGIS): Becky Shufford (NOAA IOOS) presented where we are going with US IOOS focusing on the DMAC efforts. The briefing was attended by over 60 folks and she received an enthusiastic response and engaged in a lively dialog in the discussion session.
- HF Radar: Jack Harlan is tracking a new radio frequency interference complaint from the Military Amateur Radio Service (MARS). If you have specific questions please contact Jack Harlan.

#### Congressional:

- Scheduled 13 February, 2008 the Fisheries, Wildlife, and Oceans Subcommittee of the House Natural Resources Committee will mark up pending legislation 3 pm: HR 2342, Sponsor: Allen, Tom (D-Maine); Official Title: A bill to direct the president to establish a National Integrated Coastal and Ocean Observation System; Cosponsors: 21 Total (18 Democrats, 3 Republicans)

#### Communications:

- See attached OSTP release on FY09 budget

#### Upcoming Meetings:

- 12 February: Bill Corso, NOS DAA will brief the NOS Budget to Commerce, Justice and Science Committee. I will accompany Bill as IOOS has been highlighted as an interest item.
- 29 February: GLOS program assessment – Washington DC
- 23-24 April: GCOOS, CARA, SECORA program assessment - Houston
- 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 and IOOS related talk for that session. As well we are looking to have a town hall session "Development of the U.S. Integrated Earth Observation System."

Cheers,  
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## **EARTH OBSERVATIONS**

### **Research and Development Funding in the President's FY 2009 Budget**

The U.S. supports space-based, airborne and ground-based instruments to observe, monitor and measure a multitude of the Earth's characteristics around the globe. The President is committed to optimizing these scientific efforts by developing sustained and integrated Earth Observation systems for the Nation and by making these systems an integral part of a global system. The 2009 Budget includes:

- Funds to sustain the highest priority climate measurement capabilities that once were part of the tri-agency National Polar-Orbiting Operational Environmental Satellite System (NPOESS) program (but were removed or "de-manifested" during the 2006 restructuring of NPOESS in response to significant NPOESS cost over-runs). This operational climate sensor package will be supported with \$74 million in FY 2009 funds requested by the Department of Commerce's National Oceanic and Atmospheric Administration (NOAA).
- \$103 million in FY2009 (with a total of \$910 million over five years) for the National Aeronautics and Space Administration (NASA) to embark on a series of space-based Earth observing missions that the National Research Council's recent "decadal survey" ranked as the top priorities for Earth sciences, including: 1) SMAP (Soil Moisture Active/Passive), which will enable global soil moisture mapping with unprecedented resolution, sensitivity, area coverage, and revisit times; and, 2) ICESat (Ice, Cloud, and land Elevation Satellite), the benchmark Earth Observing System mission for measuring ice sheet mass balance, cloud and aerosol heights, and land topography and vegetation characteristics. NASA will also continue ongoing work to develop and launch seven new Earth observing missions in the next several years while operating fourteen missions presently on orbit.
- \$139 million for NASA to procure the LandSat Data Continuity Mission to continue the 35-year record of land imagery from space critical to Earth Observations data continuity.
- \$2 million for the U.S. Geological Survey (USGS) to establish a National Land Imaging Program office to ensure long-term continuity of multi-spectral imaging of the Earth's surface, consistent with the recommendation of the Interagency Working Group on the Future of Land Imaging.
- \$126 million for NASA to launch the Global Precipitation Measurement (GPM) mission core spacecraft no later than 2013.
- \$21 million to support the NOAA-led Integrated Ocean Observing System and a total of \$10.5 million for the National Science Foundation's (NSF) Ocean Observatories Initiative.
- Improvement of U.S. earthquake monitoring and prediction capabilities by NSF and USGS through EarthScope at \$26.3 million and the Advanced National Seismic System at \$8 million.