

Bi-Weekly IOOS® Z-GRAM - 14 December 2010

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The Z-Gram is an informal way of keeping you up-to-date on 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 and view under program updates.

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

We depart from the normal Z-Gram to provide you holiday greeting. The regular Z-Gram will return after the new year. From all of us at the U.S. IOOS Program, we wish you a joyous season of celebration with family and friends. We hope you enjoy our version of - "'Twas the Night Before IOOS."

'Twas the night before Christmas, make no mistake,
Not an ocean was quiet, no coast or Great Lake
Water quality sensors were hung with great care,
In hopes that Saint IOOS soon would be there.

The HFR were all nestled, snug by the coasts,
Producing visions of CURRENTS on servers that host.
And Harlan in his kerchief, and Barrick in his cap,
Had just settled their brains for new applications to tap.

When out on the ocean there arose such a clatter,
We sprang from our desks to see what was the matter.
Away to the Gulf, Sam Walker flew like a flash,
With ships, people, data, we created a M.A.S.H.

The oil on the Gulf like the new-fallen snow
Gave the sheen of midday to objects below.
When, what to a wondering eye should appear,
But a subsurface monitoring plan, and eight shiny gliders coming near.

With a quick witted community, so lively and enthusiast,
We knew in a moment it must be IOOSians!
More rapid than eagles their coursers they came,
They whistled, and shouted, and called them by name!

"On Sam! now Spray 40, now Seaglider, and Bass!
On Waldo, on UD134, on Gulper, and RU23 so fast.
To the bottom of the shelf! to the top of the Gulf!
Now glide away! Glide away! now go little gulp!"

As ICOOS Act gave us 35 tasks to complete,

When met with an obstacle, it was quite a feat.
So up to the IOOS site, the couriers they flew,
With the sleigh full of Templates, and Congressional updates too.

And then, in a twinkling, we heard on the water
The pitching and yawing of CDIP ('sea dip') wave scatter.
As ships drew near, navigating the San Francisco bar,
Into the port, they safely came from afar.

Buoys and sensors decorated with barnacles and salt
A bundle of measurements, sent to the Buoy Center vault,
Data reporting all ones and zeros,
Number crunching scientists become superheroes!

The shellfish growers eyes - oh, how they twinkled! Their hatcheries how merry!
The daily forecast, tells them when their oysters will marry!
Harmful Algal Blooms watched with new observing tools,
And climate change monitoring of big sardine schools!

Data Integration Framework, we did successfully meet
The IOOS Catalog encircled our head like a wreath.
Scores of platforms, and variables, all must be ready
To produce data when queried, including models of jellies!

Eleven regions, all part of the team, with a spirit so jolly,
ACT brought a $p\text{CO}_2$ test, from Washington to Hawaii!
A modeling test bed SURA gives us results on the fly,
And IOOS provides answers with a wink of an eye,

IOOSians spoke not a word, but went right to work calm and merry,
Linking and leveraging all partners' data to ferry.
With buoys, gauges, slocums, webbs, and wave gliders,
We observe the oceans, coasts, Great Lakes - and even outliers!

We spring to the call, with a team that's top notch,
Observing and modeling with utmost panache.
From our National Office, as twenty-ten goes out of sight
"Happy IOOS to all, and to all a good night!"

Scarlet Knight Exhibit - Opening in the Smithsonian

A year ago we picked her up, in Baiona, Spain, and now she proudly hangs in the Smithsonian's Natural History Museum, Sant Ocean Hall. We celebrated, in style, at the Smithsonian with a great group of speakers, which included: Dr. Eva Pell, Under Secretary for Science at the Smithsonian Institution; Ms. Shere Abbott: Associate Director for Environment of the Office of Science and Technology Policy in the Executive Office of the President; Dr. Larry Robinson, Assistant Secretary of Commerce for Conservation and Management and the Oceans/Deputy Administrator of NOAA; Mr. Bob Winokur, Deputy and Technical Director, Office of the Oceanographer of the Navy, Chief of Naval Operations, and Dr. Bob Goodman, Executive Dean, School of Environmental and Biological Sciences, Executive Director, New Jersey Agricultural Experiment Station, Rutgers, the State University of New Jersey. After the talks we were enthralled watching the award-winning film: ***Atlantic Crossing, A Robot's Daring Mission***. Following the film, we proceeded to the Ocean Hall and the ribbon-cutting for the glider display. Thank you to Jennie Lyons, IOOS; Kelly Watts, Rutgers; and Tina Karl, Smithsonian for a remarkable evening. I do hope you have a chance to visit the exhibit.

Below are several conferences that have upcoming due dates on abstracts:

Ocean Observing Systems: Acoustical Observations and Applications: Organized by: Brian D. Dushaw, Timothy F. Duda.
Acoustical Society of America, Seattle, WA USA

Description: Passive and active acoustic methods can be employed for long-term, sustained

observations of physical, chemical, and biological processes within Global and Regional Ocean Observing Systems. Such observations offer valuable, unique information about the state of the oceans not obtainable by other means. Modest, cost-effective instruments can be shared to serve a variety of multidisciplinary purposes. <http://asa.aip.org/seattle/seattle.html>. **Abstract Due Date: December 20, 2010**; Likely Session Dates: 23-25 May 2011 (Monday-Wednesday). Points of Contact: Tim Duda, Woods Hole Oceanographic Institution, tduda@whoi.edu; Brian Dushaw, University of Washington, dushaw@apl.washington.edu.

Acoustic Challenges in Aquatic Ecosystem Assessment: Organized by: Kelly Benoit-Bird, Debby Burwen, Francois Gerlotto, Olav Rune Godoe, Kenneth Foote, Kyle Hartman, John Horne, Jules Jaffe, Lars Rudstam, Martin Siderius, Timothy Stanton, Chris Wilson; Acoustical Society of America, Seattle, WA USA.

Description: This workshop will focus on the integration of biological and physical elements in ecosystem research, current policy, and regulations, acoustic technology developed for users in the field, and basic and applied research topics relevant to both the Acoustical Society of America (ASA) and the American Fisheries Society (AFS) communities. The workshop will begin Wednesday evening with a reception hosted by exhibitors and end Friday afternoon. (Exhibitors should contact Robert McClure [bmclure@biosonicsinc.com] on the Organizing Committee). <http://asa.aip.org/seattle/fisheries.html>; **Abstract Due Date: December 20, 2010**; Session Dates: 25-27 May 2011 (Monday-Wednesday): Points of Contact: John Horne, University of Washington, jhorne@u.washington.edu; Robert McClure, BioSonics Inc., bmclure@biosonicsinc.com; Martin Siderius, Portland State University, siderius@pdx.edu; Charles Schmid, Acoustical Society of America, charles@aip.org

Underwater Acoustic Measurements: Technologies and Results - 4th International Conference - Kos Island, Greece

Description: Contributions from all areas of underwater acoustics will be included in this conference. The conference will comprise plenary sessions with invited keynote lectures. A prominent series of structured oral sessions, with invited papers given by leading international scientists, will be organized by key persons actively engaged in the front lines of research in underwater acoustics. Moreover, most recent research results will be presented in contributed papers forming a basis for regular oral and poster sessions. All papers presented at this conference will be published in proceedings to be made available to all registered participants on the first day of the conference. Organized by: John. S. Papadakis, Leif Bjørnø; <http://www.uam-conferences.org>. **Abstract Due Date: January 15, 2011**; Session Dates: June 20-24, 2011; Points of Contact: John. S. Papadakis, F.O.R.T.H., Crete, [johnsp\(at\)iacm.forth.gr](mailto:johnsp(at)iacm.forth.gr); Professor Leif Bjørnø, UltraTech Holding, Denmark, prof.lb@mail.dk.

All the best this Holiday Season and wishing you a wonderful 2011!
Zdenka

