

NEWS

-- NOAA Implements Standards Developed in Oceans Experiment Initiated by SURA --

The NOAA Integrated Ocean Observing System (IOOS) Program Office announced that it is implementing a number of OGC standards. The Integrated Ocean Observing System (IOOS) is a multidisciplinary system designed to enhance our ability to collect, deliver, and use ocean information. The goal is to provide continuous data on our open oceans, coastal waters, and Great Lakes in the formats, rates, and scales required by scientists, managers, businesses, governments, and the public to support research and inform decision-making. For IOOS, NOAA data providers will implement OGC's Sensor Observation Service, Geography Markup Language (GML) and Observations and Measurements (O&M) specifications to provide data on temperature, salinity, water level, currents, winds and waves. The specifications were developed in coordination with IOOS Regional Association DMAC Partners and leverages work by the OGC Oceans Interoperability Experiment (Oceans IE) and the OOSTethys project. SURA is an initiator of the Oceans IE and is heavily involved in the OOSTethys project through its NSF funded work on the Marine Metadata Interoperability Initiative.

http://www.noaanews.noaa.gov/stories2008/20080430_oceandata.html

-- SURA to Co-Host Workshop on High Density Distributed Coastal Ocean Sensing --

SURA and Luna Innovations (<http://www.lunainnovations.com/index.htm>) are planning to hold a workshop exploring "High Density Distributed Coastal Ocean Sensing: A Next Generation Research Capability" at SURA later this summer. The workshop will bring together sensor developers, IT experts, and coastal scientists to discuss applications of high density sensors within the coastal zone. Attendance at the workshop is by invitation only. If you are interested in attending this workshop or know someone who would like to attend, please contact Joanne Bintz (bintz@sura.org). SURA will not cover travel costs to attend this workshop, but will provide meals and conference facilities. Space is limited.

-- SURA and UF Launch a SCOOP Education Demonstration --

SURA's Coastal Ocean and Observing and Prediction (SCOOP) Program has partnered with Dr. Peter Sheng and Dr. Renato Figueiredo at the University of FL to develop a SCOOP Educational Virtual Appliance. Based on the CI-TEAM Grid Appliance, UF will develop and deploy a SCOOP educational virtual appliance. The appliance will include SCOOP catalog and archive interfaces as well as the ability to conduct retrospective model simulations and perform visualizations. Coastal science and cyberinfrastructure educational use cases and lessons will then be developed using the appliance. Following the recommendations from the CRC at the April BOT meeting, we are exploring vehicles for testing the appliance in higher educational settings. A Grid Appliance customized for coastal applications with educational goals has been developed as part of an NSF CI-TEAM project. It is available for download from <http://ci-team.acis.ufl.edu>.

SURA Coastal Outreach

Dr. Luis Bermudez, the SURA Coastal Technical Manager, attended the Open Ontology Repository initiative at the National Institute of Standards and Technology to align the Marine Metadata Interoperability (MMI) Initiative with SURA's OOSTethys ontology work (www.oostethys.org). Luis also gave an invited talk at the NOAA Data Management and Communications meeting about controlled vocabularies on May 7th, in Silver Spring.

Luis is a coauthor on a paper titled: *Ontology-based Mediation of OGC Catalogue Service for the Web: A Virtual Solution for Integrating Coastal Web Atlases*. The paper was accepted for the International Conference on Software and Data Technologies, to be held in Porto, Portugal, in July 2008.

DID YOU KNOW?

You can search for and download SCOOP data from the SCOOP Catalog. The catalog interface is available from the "data" tab on the SCOOP website at: <http://scoop.sura.org/Catalog/>. You can search the data by keyword or by storm. The SCOOP Catalog was created and is maintained by the University of Alabama, Huntsville. Give it a

try and let us know how it works for you. Contact: Joanne Bintz (bintz@sura.org) with questions or comments about the SCOOP data catalog. We are always trying to improve service to our users!

More information about SCOOP and SURA Coastal Research can be found on the following sites:

SCOOP site: <http://scoop.sura.org/>

OpenIOOS site: <http://www.openioos.org>

SURA site: <http://www.sura.org/programs/coastal.html>

If you have an item that you would like to include in the next SURA Coastal Newsletter, please submit it to Joanne Bintz (bintz@sura.org) before the first of the month.