

NEWS

Proposals Submitted

Dr. Luis Bermudez led a proposal submitted on February 9, 2009 titled *OOSTethys: An Open Source Community to Advance Integrated Ocean Observing Systems*. The proposal was submitted to the NOAA Program Office for Integrated Ocean Observing. SURAs partners on this proposal are the Gulf of Maine Ocean Observing System (GoMOOS), the Center for Coastal Margin Observation & Prediction (CMOP), the Northwest Association of Networked Ocean Observing Systems (NANOOS), the Monterey Bay Aquarium Research Institute (MBARI), Louisiana Universities Marine Consortium (LUMCON) and the University of Alabama, Huntsville (UAH).

Dr. Luis Bermudez submitted a proposal to NSF's Strategic Technologies for Cyberinfrastructure (STCI) Program on Feb 11, 2009. The proposal was titled Collaborative Research: Earth Sciences Semantic Interoperability Framework--- A 21st Century Rosetta Stone. The proposal is a collaborative effort with the MBARI, San Diego Super Computing Center and Texas A&M University (TAMU). SURA partnered with GoMOOS on this effort.

Dr. Luis Bermudez submitted a pre-proposal to NSF titled: *PIRE: Asia-Pacific Collaborative Cyber-Infrastructure (APCC) for Enhancing Data-Intensive Global Change Research and Education*. The Principal Investigator for this effort is Prof. Liping Di from the Center for Spatial Information Science and Systems (CSISS) at George Mason University.

Kickoff for Oceans IE Phase II

SURA will participate in the second phase of an Open Geospatial Consortium Interoperability Experiment. The kick off date for the experiment is March 20. For more information: <http://www.oostethys.org/oceansie2>

Conference Papers Accepted

Bermudez, L. E., P. Bogden, E. Bridger, C. Galvarino, J. Graybeal, D. Forest, T. Cook and G. Creager (2009). Web Feature Service (WFS) and Sensor Observation Service (SOS) comparison to publish time series data The 2009 International Symposium on Collaborative Technologies and Systems - Workshop on Sensor Web Enablement (SWE2009) Baltimore, Maryland, May 18-22, 2009. <http://knoesis.wright.edu/workshops/swe/>

Lassoud, Y., L. E. Bermudez, D. J. Wright and O. Boucelma (In Press). International Coastal Atlas Network: Ontology Mediation for Coastal Web Atlases Interoperability Third INSPIRE Conference, in conjunction with the Eleventh International Conference of the GSDI (GSDI 11), Rotterdam, The Netherlands June 15-19, 2009. International Journal of Spatial Data Infrastructure Research. <http://gsdi.org/gsd11/index.html>

OUTREACH

SURA Coastal Connects with RENCI

Dr. Philip Bogden and Dr. Luis Bermudez visited the Renaissance Computing Institute (RENCI) in Chapel Hill, North Carolina. RENCI has been working with the National Weather Service and the Emergency Response Community in North Carolina. The goal of the meeting was to start planning an initiative that would leverage the SCOOP infrastructure to create a region-wide, open-access and shared information network that will be used to prototype new emergency-response tools and possibly upgrade existing tools.

Smart Ocean Sensors

Dr. Luis Bermudez participated in the Smart Ocean Sensors workshop, at Charleston, South Carolina. The goal of the meeting was to advance the use of standard interfaces and metadata in marine instruments. The group initiated the Smart Ocean Sensors Consortium (SOSC), which will move forward on adopting standards such as SensorML from the Open Geospatial Consortium (OGC) and the PUCK protocol from MBARI.

NERACOOS News

Dr. Philip Bogden was elected to the IOOS Strategic Planning Team and Eric Bridger (GoMOOS) was elected to the IOOS Data Team for the NorthEast Regional Association of Coastal Ocean Observing Systems (NERACOOS). Eric Bridger is a software engineer at GoMOOS that was involved in the SCOOP Program. The NERACOOS Data Team proposed the development of a web presence that would utilize the SURA Coastal Ocean Observing and Prediction (SCOOP) Program infrastructure at <http://www.OpenIOOS.org> and at <http://www.OOSTethys.org>.

SCOOP/OOSTethys Sensor Demo

SCOOP/OOSTethys members, Eric Bridger (GoMOOS) and Luis Bermudez (SURA) are participating in a demonstration of plug and work sensor capabilities, to be presented by Tom O'Reilly from MBARI at the Ocean Observatories Initiative Sensor Workshop: "Instrumentation Needs and Readiness Levels for Ocean Observing: Workshop 1 - Sensors" on March 12-13 2009, Portland, OR. Instruments will be plugged into a Global Earth Observing Systems of Systems registry. The OOSTethys aggregator, <http://www.OPeNIOOS.org> will discover these services, display the location of the instruments on the map, and plot a time series. Link to the workshop: <http://www.oceanobservatories.org/spaces/display/Presentations/OOI+Sensor+Workshop>

More Information

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

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

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

OOSTethys: <http://www.oostethys.org>

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

If you are interested in partnering with other SURA PIs on a Coastal Research Proposal please contact a member of the SURA Coastal Research Team:

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Joanne Bintz, SURA Coastal Research Program Manager - bintz@sura.org

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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. Previous versions of the SURA Coastal Newsletter are posted on the SURA website: <http://www.sura.org/programs/coastal.html>