

Rolling Deck to Repository (R2R) Program

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via Jon Alberts, UNOLS Executive Secretary

R2R continues to focus on collaborative development with the NOAA National Data Centers, working to establish routine and efficient protocols for submission of data and documentation. Our annual working meeting in Silver Spring on May 12-13 brought together data managers and disciplinary specialists from multiple NOAA centers and NSF-funded data assembly centers, working with the R2R program team to develop metadata requirements and quality assessment procedures for multibeam, gravity/magnetics, ADCP, and CTD/XTD data. (Additional data types will follow in future years.) We continue to improve and extend our shared template for cruise-level metadata and controlled vocabularies, with a particular focus on cruises in Extended Continental Shelf (ECS) and Deepwater Horizon Response (DHR) regions.

We have developed a fleet-standard cruise data directory structure, reviewed it at RVTEC 2010, and are now working with technical groups at OSU, URI, and UAF (*Sikuliaq*) toward early adoption. In parallel, we are expanding our vessel profiles to include acquisition systems and reference frames in addition to the basic instrument inventory.

The R2R Event Logger has been tested on a series of sampling cruises over the past year, culminating in a 3-ship deployment for the NSF/ONR LatMix program in June 2011. The LatMix deployment tested several new features including automatic capture of broadcast environmental data and near-real-time synchronization to a shore-based server.

R2R continues to present results and solicit feedback at community venues, most recently at the EGU 2011 Meeting (April) and upcoming IUGG 2011 Assembly (June). We also worked with the UNOLS Office to prepare a response to the "Directors of NSF Large Facilities" memo of May 3, 2011, requesting information on data management and sharing policies in the academic fleet.