

GeoDaRRS Workshop Plenary Session: “What would you like to have and why?”

Title:

A deep submergence vehicle user’s perspective about data management services at NSF-supported facilities

Abstract:

After completed cruises, users of deep submergence vehicles often realize the contents of their dive data packages are huge, convoluted, and overwhelming to manage. Operator organizations and existing theme-focused database facilities within the marine community have made great efforts to curate, reserve, and increase the visibility of dive data over the past decade, but there remains room for further growth and improvements in these areas of data management.

As a former user of deep submergence vehicles, and a current operator of vehicle programs, I designed this presentation to capture: (1) a brief history of deep submergence science operations for users of various disciplines, operators, and funding agencies; (2) data acquired by deep submergence vehicles; (3) community wide, currently available NSF-supported data management systems; and (4) the challenge that is well described in this workshop’s overview statement: “...These projects typically manage data on an ad hoc basis without having long-term management and preservation procedures, beyond creating back-up copies of data...”.

Bio:

[Masako Tominaga](#) (PhD in Oceanography, 2009) has recently joined the Field Operations Coordinator Office at the National Deep Submergence Facility (NDSF), Woods Hole Oceanographic Institution after her tenure track faculty career at Texas A&M University. Over the past 15 years, Tominaga’s research and teaching effort has centered on marine and deep submergence geophysics. To date, Tominaga has logged nearly 600 days science days at sea, 3 chief scientist cruises, worked on 10 different research vessels from 3 different countries and worked with 12 different human-occupied and un-manned underwater vehicles from 4 different countries. Tominaga currently serves as an Advisory Panel member for NSF-supported Rolling deck to Repository (R2R) data program and for Interdisciplinary Earth Data Alliance (IEDA) program. This summer, Tominaga is working on NDSF metadata projects with Sawyer Newman (participant in this workshop), a research assistant at WHOI and Information Science expert.