

## **J DATA MANAGEMENT PLAN**

This proposal seeks funding to develop a user-friendly inorganic carbon analyzer for use by the oceanographic community for ocean acidification research.

As discussed in the Project Description, the data obtained in the course of this project will consist of (1) pH, total dissolved inorganic carbon (DIC), and total alkalinity (TA) measurements collected using our new instrumentation and also with traditional bench-top techniques and (2) salinity and temperature measurements. Additional data may be collected as part of the science portion of the project, such as CTD cast data, underway CTD data, and other parameters collected during the ships' normal operating procedures. Data will be (1) archived via instrument software on a computer and made available for viewing in text files, Microsoft Excel, or Matlab, (2) stored in files with unique identifiers for each experiment, and (3) maintained on the lab computers at SRI and in Dr. Byrne's labs at University of South Florida (USF). Data stored on the SRI server will be backed up weekly on tape.

We will also make every effort to submit all field data to the Biological and Chemical Oceanography Data Management Office (BCO-DMO) by the end of the project. In doing so, we will follow BCO-DMO guidelines with respect to metadata formats and content. Once data have been uploaded to BCO-DMO, they will be accessible to the oceanographic community for use with proper citation.

In addition to online repositories, project results will be presented at scientific meetings and in peer reviewed publications.