

## Data Management and Access Plan

Lead PI Sanudo-Wilhelmy will lead the data management effort with support from the coPI Laura Gomez-Consarnau and the graduate student supported by the project.

### Field Samples

All water samples for vitamin analyses collected for this study are presently stored in -20 C freezers with an alarm and connected to a backup electrical power system to ensure their safety.

### Laboratory Data

The data produced during this project consist of measurements of B-vitamins in samples collected during the Malaspina expedition. Collaborators in Spain have produced the data of all the additional biological, chemical and oceanographic parameters, which are available to us to complement and interpret our results. Although a large portion of the Malaspina dataset is already published in peer-reviewed journals and, therefore, in the public domain, we will compile all the data (previously published or not) into a single dataset that will be added to the results produced during this project. This complete dataset, consisting of our newly generated B-vitamin data as well as all the additional Malaspina data, will be disseminated by posting it at the Biological- Chemical Oceanography Data Management Office (BCO-DMO: <http://www.bcodmo.org/>) centralized data collection site. A database containing the location of all materials will also be maintained for use by all PIs and submitted with the data to the data collection site. All data collected during sample processing in the lab will be securely stored in multiple redundant formats (hand-written lab notebooks, backed-up files on several hard drives) and indefinitely in the PI's offices.

### Access policies and provisions

We will provide access to the data once it is quality controlled and published. Availability will be in accordance with NSF guidelines for data accessibility. As we have always done in the past, we will continue to make the results of our work available to the marine science community through timely peer-reviewed publications and professional meeting presentations. Our budget contains publication and travel funds that will cover the costs of free access publications and oral and poster presentations at professional venues like ASLO/Ocean Sciences, AGU, and Gordon Research Conferences. All physiology and taxonomic data will be submitted for archiving in public databases (e.g., NODC: <http://www.nodc.noaa.gov/> and OBIS: <http://www.iobis.org/>).