

Data Management Plan

Data Management will be coordinated with USC's Baruch Institute Data Management Office (BIDMO). Data management has been an integral part of the Baruch Institute's research programs for over 30 years. Data Management personnel at BIDMO will work individual researchers, post-docs and graduate students to ensure that data are verified, organized, documented, archived, and disseminated in a standardized fashion. BIDMO will also implement and maintain the highest standards for final data QA/QC, maintenance, and access; the federal standard for documentation, FGDC-compliant metadata, will be developed for each data set.

Data Dissemination: All data collected from this project will be collected, prepared, and analyzed for presentation at national/international meetings and for publication in peer reviewed journals. Data will be publicly available within 1 year of collection or immediately upon publication of the data in a journal or presentation at a meeting. The final data and metadata will be accessible at <http://links.baruch.sc.edu/Data/>.

Hardware: All data and metadata formats (raw, edited, final, and graphical) will be archived on a Windows-based computer and backed up on external hard drives and DVDs by the USC Baruch Institute data manager. These backup hardware components will be stored in a fireproof cabinet at the Baruch Marine Field Laboratory, and another set of archived hard drives and DVDs will also be stored offsite on USC's main campus. The final data and metadata will be published on Baruch's Web Server at <http://links.baruch.sc.edu/Data/>.

Database: Data to be archived include photopigment concentrations and assimilation rates for each of the bioassays. Data will be saved and archived in native, text, and Excel file formats. Archived data will be in formats which can be publicly interpreted.