DATA MANAGEMENT PLAN

The *ecoTRACE* model output generated by this project will be of interest to modelers, observationalist, and experimentalists within the Biological Oceanographic community. For example, the results from the multi-stressor model simulations (Aim 1) may help in experimental design for laboratory evolution experiments. Output from the model simulations will be made publicly available through the Biological-Chemical Oceanography Data Management Office (BCO-DMO) website upon publication of the results. The model output will be uploaded as NetCDF files and will meet BCO-DMO's formatting requirements. Critically, these model results will be formatted such that it will facilitate the use by experimentalists. I will also create a project webpage on my website that will describe the project and findings and will direct researchers interested in downloading the model simulations to the BCO-DMO data system. Finally, the *ecoTRACE* model code that will be developed through this project will be made freely available on Github upon publication of the results and efforts will be made to train users interested in running the code upon request.

Results from this work will be presented at international meetings (e.g. Gordon Research Conferences, AGU/ASLO Ocean Sciences meeting) and will be published in peer-reviewed publications. I have included funds to support open access publications when possible.

Biological and Chemical Oceanography Data Management Office (BCO-DMO): BCO-DMO was created in late 2006 to serve PIs funded by the NSF Geosciences Directorate (GEO) Division of Ocean Sciences (OCE) Biological and Chemical Oceanography Sections and (with augmented funding in 2010) Office of Polar Programs (OPP) Antarctic Sciences (ANT). BCO-DMO manages and serves oceanographic biogeochemical, ecological, and companion physical data and information developed in the course of scientific research and contributed by the originating investigators. The BCO-DMO data system facilitates data stewardship, dissemination, and storage on short and intermediate time-frames.