

**NSF BIO Feb 15 2010  
Proposal 1029900**

**"The biogeography of primary producers in the subpolar North Atlantic"**

**PI M.J. Follows  
co-PI C.N. Hill**

**Department of Earth, Atmospheric and Planetary Sciences  
Massachusetts Institute of Technology**

**Data Management Plan.**

The proposed work involves the analysis of existing, publically available data sets and the development and application of numerical models of the circulation, biogeochemical cycles and ecosystems of the North Atlantic Ocean. As such, no new field observations or laboratory experiments are planned as part of the proposed work.

All developments to the MIT ocean model (physical, biogeochemical and ecological) are open-source and made freely available through the MITgcm.org website, along with documentation and tested example configurations. This will continue for the proposed study, allowing the model studies to be replicated or adapted and extended by the broader community. Model results and visualizations from the regional simulations will be made available for download through MIT's Darwin Project web site (<http://darwinproject.mit.edu>).