

DATA MANAGEMENT
Massachusetts Institute of Technology
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The proposed work involves theory and simulations, it will not generate any new laboratory or field observations.

The size-and-functional trait based model proposed here will be part of the MIT general circulation model (MITgcm). This model, including all of our current ecosystem and biogeochemical components, is open source and freely available via the website <http://mitgcm.org> (and from links on our project homepage <http://darwinproject.mit.edu>). All new model development and parameterizations are automatically updated to MITgcm site via CVS (Concurrent Versions System).

The current generation of our ecological models are being used and developed by a growing group of researchers within the US and internationally and we host training visits and provide user support. We plan the same level of sharing with the next generation model proposed here.

Results from the proposed work will be disseminated through publications and we will provide images and movies of these results also through our group website. This website currently has such results, from previous projects, which have been frequently downloaded and used by others outside of MIT and have proved a valuable outreach tool.