

Data Management plan – Edmunds RAPID

i. Types

This project would generate four types of data, all of which would lend themselves to archiving and sharing. (1) Density of coral recruits on settlement tiles deployed for ~ 6 month periods, (2) benthic community structure developing in plots cleared on the outer reef and on patio pavers installed as “vacant” surfaces, (3) measurements of post-settlement success of corals growing on settlement tiles and natural reef surfaces, and (4) proximal analyses (protein content, number of *Symbiodinium*, etc.) of larvae freshly released from *Pocillopora damicornis*

ii. Standards to be used for data

This proposal will build on the strong recent history of sharing data through the MCR-LTER and BCO-DMO. Through these efforts, I have considerable experience in developing relational databases (with metadata) that can be readily utilized by others. Additionally, we have designed QA/QC procedures that flag data based on the likelihood they are incorrect and mark them for further evaluation.

iii. Policies for access to and sharing data

Following NSF policies, we will make all project-related data available on publically accessible servers within 12 months of data collection. The exceptions to this rule will be data related to graduate thesis projects, which will not be made available until 12 months following graduation.

iv. Polices and provisions for re-use, redistribution, and production of derivatives

Users of our data will only be provided access to the data after they have digitally signed a data use agreement that stipulates the requirements for acknowledgement and contact with the PI.

v. Archiving and access to data

Over the last 10 years, I have established a strong and well-developed policy of sharing data through web-accessible systems. The best developed of these has come through the Moorea Coral Reef LTER (<http://mcr.lternet.edu/data/>) which hosts all aspects of the Moorea database as well as my project support through the LTREB program (and co-funded by OCE) (<http://mcr.lternet.edu/vinp/overview/>). In addition to these existing means for archiving data, aspects of the process-oriented analysed will be hosted by BCO-DMO (<http://bcodmo.org>).