

DATA MANAGEMENT PLAN

1. Products of Research

Materials produced include:

- Compiled datasets, from government records and previous academic and NGO projects
- Interview data collected through household survey and key informant interviews on social and ecological attributes and environmental management outcomes, with associated spatial data by town
- Data related to Coral Health Index (CHI) measurements, including data on coral reef benthos (photographic data on coral cover and benthic composition), fishes (visual census data collecting using transect methods), and microbes (colony counts from seawater samples).
- Social-ecological monitoring training curriculum, including indices developed for describing management effectiveness, social attributes, and ecological attributes
- Publications in academic peer-reviewed journals
- Contributions to three large, open-access databases: DataMARES, MPAtlas, and the Information System on Small-scale Fisheries (ISSF)

2. Data and Metadata Standards

Data will initially be entered into Microsoft Access databases, and each set of data will have corresponding metadata information recorded within the Access database. Metadata will be publicly available on the three partner databases. I will work closely with the DataMARES, MPAtlas, and ISSF teams to ensure compatible and adequate data and metadata standards from the outset of the project.

3. Policies for Access and Sharing

Final data will be displayed in three open-access databases: DataMARES (<http://www.datamares.org/en/>), ISSF (beta version currently being developed), and MPAtlas (<http://www.mpatlas.org/>) immediately after the embargo period for respective journal publications, within one year of project completion if not sooner. Additionally, all data will be distributed to collaborators and study communities by the end of the project. Indices and frameworks from this project will also be made public on the various websites affiliated with this project (e.g., <http://www.gocmarineprogram.org>, <http://artisanalfisheries.ucsd.edu/>). In the interest of interviewee confidentiality, no names or other identifying titles will be displayed in the final data set; such identities will be discarded as generally required by Human Research Protection policy (human subject approval is pending for this project).

4. Policies for Re-use and Re-distribution

The three databases listed above are open-access, to be used by researchers and members of the public for education and further research, with suggested citation.

5. Plans for Archiving & Preservation of Access

Data will be archived in the databases as described above, and backed up on external hard drives in Octavio Aburto's lab and the website <http://artisanalfisheries.ucsd.edu/>. The datasets produced will be relatively small in terms of required storage size.