

## ANNEX F - CONCEPT FOR A DATA MANAGEMENT PLATFORM

### **Data Platform:**

- Use GCRMN Data as the framework for developing this. These are the core methods in use. Develop the platform into which you could have entered that data.
- People to consult with in developing this: Ken Marks (AGRRA), Michael Kaminski (developing something like this for Western Indian Ocean), Sea Turtle database
- Build on/integrate with other platforms (Healthy Reefs, AGGRA, REEF)
- Home page for each research group (lab, researcher, fisheries dept, NGO, etc.) that includes link to organization webpage, contact info, data types collection, list of key positive policy used of the data.

**Host:** An offer was made by the Waitt Institute , to develop and host this tool. *Other proposals are encouraged, in particular from within the region.*

**Maintenance:** to be defined

**Data Security:** to be defined

**Frequency of data collection/entry:** 2 years at minimum, enter within 2 months of collection

**Lead regional analyst:** WC GCRMN

**Regional Reporting:** Every 4 years, synchronized with International Coral Reef Symposium

**Backing Up of Data:** per expert ; need of recommendations from database community

**Biological Metadata:** Location, country, depth, collector, reef type (per AGRRA), reef slope, distance from shore, latitude/longitude, date, funders

**Socioeconomic Metadata:** Location, Country, date, collector, funders, list of variables (checklist per site/dataset)

**Include other Datasets:** sea surface temperature, chlorophyll A, wave info, human population, history of storms (#, category, max wind speed, storm track), NOAA Coral Reef Early Warning System

Suggestion to discuss with Force Project , as they have compiled a lot of this.

**Limited Set of Protocols:** to refer to data & methods annexe

**QA/QC:** As data is entered/uploaded

**Requirements to Become Full Member:**

Contribute to every GCRMN reports and data open access after 1 year.

Use of agreed upon methods.

Suggestion of a Complete online training/species ID exam

**Data Types:** benthics, fish, water quality, socioeconomics, fisheries landings

**Data Sharing:**

- Data becomes open access automatically 1 to 1.5 year after entry.
- Option to provide immediate open access (and get “gold star”). (Precedent is CARICOMP, which did 2-year embargo.)
- Option to request data from “owner” of individual datasets prior to 1 year or if not a member via push-button data request. (Form: name, organization, data use purpose, agree to required acknowledgement text, state any interest in collaboration/co-authoring.)

**Incentives:**

- Data is open access only to “full members”
- Push button data analysis/report creation
- Immediate open access gets “gold star” – including on map
- Recognition as Team Reef/Coral Cloud member
- Recognition from funders
- Reliable and consistent archiving (“Reef Data Cloud”)
- Image storage and analysis (benthic)
- New version of benthic image analysis software
- Option to request help with image analysis
- Easily sharable content for social media
- Online data entry and offline entry/upload options
- Ability to compare with other locations
- Identify data gaps/needs for research opportunities
- Access to ease of comparison with other types of data
- Access to historical data (GCRMN database!)