CariCOOS is moving towards certification by NOAA as the Caribbean Regional Information Coordination Entity (RICE). The RICE application process required the full revision by the DMAC team of the DMAC Data Management System (DMS) Plan, including detailed sections on field assets, data management procedures, QA/QC and long-term data archival.

Certification Documents

All documentation pertaining to the CariCOOS RICE application is publicly available at

http://about.caricoos.org/certification-documents/

Data Management System (DMS) Plan

I. Executive Summary
II. System Components / Data Streams
1. UMaine Coastal Buoy / Meteorological and Oceanographic
2. UVI Coastal Buoy (VIA) / Meteorological and Oceanographic
3. Mesonet Weather Stations / Meteorological
4. WindNet / Meteorological
5. Riicon Wave Buoy / Surface Wave
6. High Frequency Radar (HFR) / Surface Water Velocity
7. MAPCO2 Buoy / Atmospheric and Water Chemistry
8. Gliders / Conductivity-Temperature-Depth Profiles
9. Drifters
III. Data Servers, Services and Flow / Common to Many Data Streams
IV. General Comments on Data Quality Assurance and Control, and Data Archiving
1. Quality Assurance
2. Quality Control
3. Data Archiving

Cloud Initiatives

CariCOOS High Level Network and Site Infrastructure

Primary Data Services (Cloud)

- Primary Data Services
- Data and services being transitioned to Cloud
- Tides
- Main Map Database
- Beach Water Quality
- Eddies (WIP)
- Future model transition

CariCOOS Web Site (Cloud)

- CariCOOS Program Information
- Ocean data and model information
- Provide a centralized information portal

CariCOOS/CID - Mayagüez

- CariCOOS Facility @ UPRM
- Secondary Data and Services
- Production Model
- Research and Development

Secondary Data and Services (WIP)

- Transition of Local CariCOOS Servers to UPRM Data Center
- Centralized CariCOOS Secondary Backup Site
- Controlled access and environment
- Power Generator is available which improve systems uptime

CariCOOS – Lajas

- CariCOOS Facility @ Maguyes
- Secondary Data and Services
- Production Model
- Research and Development