

CariCOOS DMAC Towards a Regional Information Coordination Entity



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Introduction

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

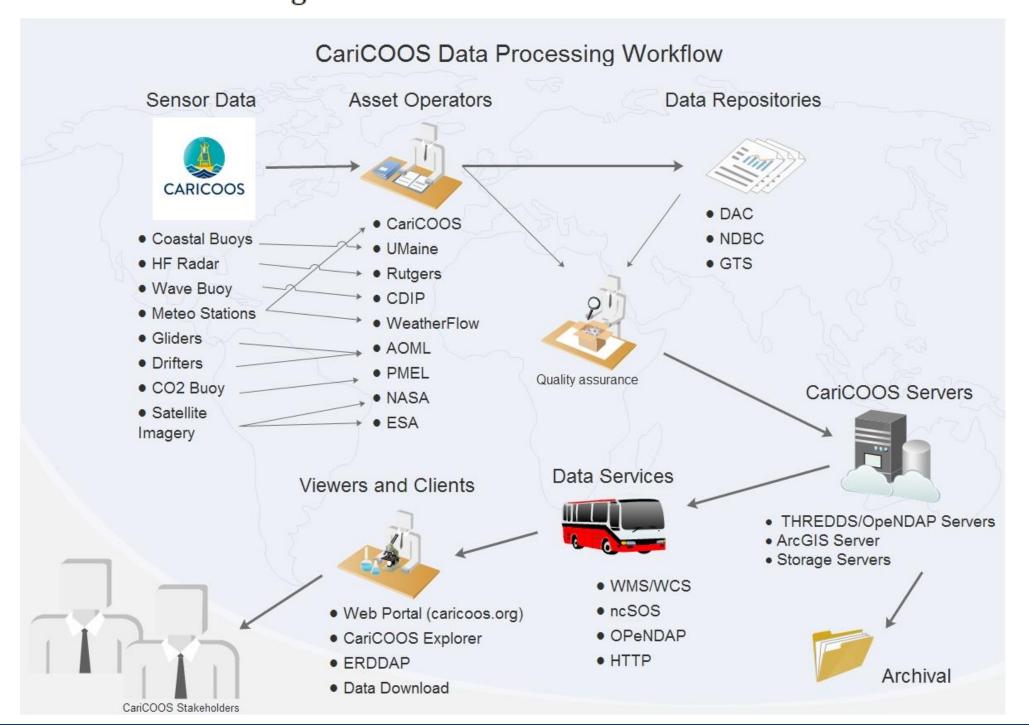
All documentation pertaining to the CariCOOS RICE application is publicly available at

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

CARICOOS

Data Management System (DMS) Plan

- I. Executive Summary
- II. System Components / Data Streams
 - 1. UMaine Coastal Buoys / Meteorological and Oceanographic
 - 2. UVI A Coastal Buoy (VIA) / Meteorological and Oceanographic
 - 3. Mesonet Weather Stations / Meteorological
 - 4. WindNet / Meteorological
 - 5. Rincon 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



CERTIFICATION DOCUMENTS

- CARICOOS Product Plan 10-Year Plan
- CARICOOS Build-Out Plan Subsystems
- Resolutions Transition from MOA to CARA
- Final Restated Articles of Incorporation of CARICOOS
- CARICOOS Conflict of Interest Policy
- CARICOOS Call for Expressions of Interest
- Cooperative Agreement
- CARICOOS 5Yr Proposal, 2016-2021
- FY16 Descope
- CARICOOS Membership Application Form
- NOPP FY11 Decision Letter
- CARICOOS Strategic Operational Plan 2016-2021
- CARICOOS Personnel Evaluation
- Gap Analysis
- CARICOOS Bylaws
- CARICOOS Liability Insurance Statement
- CARICOOS Members
- User Guides and Manuals
- CARICOOS Subcontract Agreement
- CARICOOS Asset Map
- CARICOOS Key Personnel CVs
- CARICOOS Roles and Responsibilities of the Management Team
- CARICOOS DMS Plan
- CARICOOS Asset Inventory
- CARICOOS Roles and Responsibilities of the Data Management Team
- CARICOOS Long Term Data Archival Plan
- CARICOOS Key DMAC Personnel CVs
- CARICOOS Standard Operating and Inventory Procedures
- Request to Archive UMaine
- CARICOOS Liability Insurance Policies

Cloud Initiatives

CariCOOS High Level Network and Site Infrastructure

Primary Data Services (Cloud)

Data and services are being transitioned to Cloud Base Services

- Thredds
- Main Map Database
- Beach Water Quality
- Erddap (WIP)
- Future model transition.

Internet

Main CariCOOS Web Site (Cloud)

Currently running from a Cloud Based Service

- CariCOOS Program Information
- Ocean data and models information
- Provide a centrilized 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 @ Magueyes

- Secondary Data and Services
- Production Model
- Research and Development.