CarICOOS Development Plan and Current Status of Observing System Assets

CaRA Stakeholders Council Meeting

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San Juan, Puerto Rico

Coastal Weather Observing

Luis D. Aponte, Ph.D., P.E.
laponte@uprm.edu
Assistant Professor – Structures Group
Dept. of Civil Engineering and Surveying
University of Puerto Rico at Mayagüez

Jay Titlow
jtitlow@weatherflow.com
Senior Meteorologist
WeatherFLOW Inc.

Steve Woll
swoll@weatherflow.com
Dir. of Business Dev.
WeatherFLOW Inc.
CarICOOS Coastal Weather Observing

• Inventory of current Weather Observation Stations done for Puerto Rico and Caribbean
• Initiative to involve local authorities and agencies collaborations had included communication with:
  – Puerto Rico Electric Power Authority
  – United States Coast Guard
  – Puerto Rico Port Authority
  – Private Individuals
• Site selection and permit application underway
Current Weather Observations

Real time weather stations in PR
CarICOOS Weather Stations

- Collaborative development, deployment and operation UPRM - WeatherFLOW

**Variables:**
- Wind (Speed & Dir)
- Temperature
- Barometric Pressure
- Rain
- Relative Humidity

**Capabilities:**
- Real time data
- Self-powered
- Hurricane hardened
CarlICOOS Perspective Observation Sites

- Currently considered sites consist of:
  - USCG on navigational aids structures
  - Installed on PREPA sites
  - Installed on PR Port Authorities sites
  - Installed on Private owner sites
Google Earth site Assessment

• Sites selection criteria:
  1. Close to coastline
  2. Away from sites obstructions and potential debris (i.e., trees, building, etc.)
  3. Consider current nearby weather stations
USCG – San Juan, PR (On structure)