CARICOOS

Job Announcement:
CARICOOS Postdoctoral Researcher

Date: July 5th, 2016

The Caribbean Coastal Ocean Observing System (CARICOOS) is one of eleven regional associations that together form the US Integrated Ocean Observing System (http://www.ioos.noaa.gov/). The mission of CARICOOS is to timely deliver accurate and reliable ocean data to its stakeholders in the US Caribbean Exclusive Economic Zone (EEZ). At the moment, core CARICOOS observing and prediction capabilities are divided into an observational subsystem and a modeling and prediction subsystem. Key components of the **observational subsystem** include: a network of seven oceanographic buoys; the CARICOOS High-Frequency Radar Network consisting of five HFR antennas; the CARICOOS Mesonet and Windnet, a network of 16 coastal weather stations; the CARICOOS Lagrangian Drifter Program; and two deep sea gliders, operated in collaboration with NOAA AOML. The main components of the **modeling and prediction subsystem** are: the CARICOOS Nearshore Wave Model, a high-resolution operational wave model covering Puerto Rico and the USVI; the CARICOOS-Sea Grant Nearshore Breaker Model; the CARICOOS Storm Surge Modeling Program; the CARICOOS WRF, a set of operational wind models for PR/USVI at 1 and 2 km spatial resolution; and two high-resolution circulation models, CARICOOS ROMS and CARICOOS FVCOM, currently under development. In addition, a **data management and communication** (DMAC) subsystem synthetizes all available real time observations, model predictions and third-party data for easy access by CARICOOS stakeholders and researchers.

CARICOOS is seeking an outstanding postdoctoral candidate to help lead ocean observing and oceanographic modeling efforts for the US-Caribbean waters. The successful candidate must hold a **PhD in oceanography, ocean or coastal engineering or related disciplines with emphasis on ocean observing technology, field observations and numerical modeling of oceanographic processes**. The ideal candidate will be fully bilingual (English / Spanish). He/she will:

- Lead the operation and maintenance of the CARICOOS HF Radar Network

- Lead observational campaigns including programming and deployment of oceanographic instrumentation (e.g. drifters, Acoustic Doppler Current Profilers –ADCPs, etc.), and the analysis of the resulting data

- Assist in the implementation and enhancement of the SWAN wave model, the FVCOM circulation model, and the WRF wind model for the CariCOOS region

- Assist in the supervision of students supported by CariCOOS and assist them with their CariCOOS-related research and development activities

- Communicate CARICOOS results and performance in progress reports, conference proceedings and journal publications

- Assist CARICOOS with education and outreach and stakeholder engagement activities throughout the US Caribbean

- Other tasks associated with the operation of CARICOOS observational assets and models

The operational nature of the CariCOOS enterprise will require 24/7 responsiveness. The selected candidate will become a member of the CARICOOS scientific team and will work in collaboration with senior scientific and technical personnel.

Salary: $48,000 / year, plus fringe benefits.

Interested candidates can apply by sending a CV and the name and contact information of three references to CARICOOS Technical Director Miguel Canals (**miguelf.canals@upr.edu**) and Deputy Director Sylvia Rodríguez (**rodriguez.abudo@upr.edu**). The position will remain open until fulfilled.