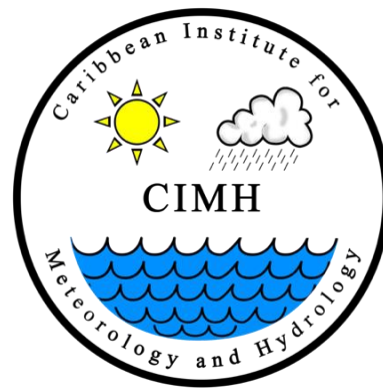




An initiative of the Organisation of African, Caribbean and Pacific States funded by the European Union

Terms of Reference: CIMH/CLIMSA-004

Post of Climatologist for the Climate Services and Related Applications(ClimSA) Caribbean Programme



Contact:

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Caribbean Institute for Meteorology and Hydrology (CIMH)

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CLIMATOLOGIST

Closing Date: September 2nd 2022

1. DETAILS OF THE POST

Applications are invited from interested and suitably qualified nationals of CARIFORUM Member States¹ to fill the above-mentioned position at the Caribbean Institute for Meteorology and Hydrology (CIMH) with assigned duty station in Barbados. It is recognized that the on-going global COVID-19 pandemic may limit initial travel to the duty station.

2. FUNCTIONS OF THE POST

The Climatologist will be responsible for supporting the implementation of climate services and applications under the Intra-ACP Climate Services and Related Applications (ClimSA) Caribbean Programme with the support of the WMO Designated Caribbean Regional Climate Center (RCC) managed and operated by the CIMH, and will report jointly to the Head of the RCC and its Climatologist.

3. QUALIFICATIONS AND EXPERIENCE

Candidates should possess:

- A MSc or PhD degree in climatology, applied meteorology, earth system science, or related relevant discipline;
- A minimum of 8 years working experience in the field of climatology, including experience (i) working with operational climate prediction and statistical and/or dynamical climate models and (ii) developing climate tools, products and services;
- Excellent knowledge of global and Caribbean climate and weather conditions, climate extremes, drivers of climate variability and change, and climate analysis tools;
- Over 8 years' experience supporting climate and related data collection, assessing the quality of climate data, climate data analysis and presentation of climate data and information;
- Proficiency in programming and scripting skills (Bash shell and Python preferable with skill in C, C++ and Fortran being an asset) – Linux experience would also be an asset;
- Excellent knowledge of Caribbean climate hazards and risks particularly related to rainfall and temperature extremes;
- Demonstrated experience in data analysis, statistics, and scientific visualization.
- Excellent communications skills in the English language - written and oral. Skill in either Spanish or French would be an asset;
- Demonstrated ability to write technical reports in English that can be readily understood by peers. The ability to write technical reports for decision makers and the public would be an asset.

¹ Antigua and Barbuda, The Bahamas, Barbados, Belize, Dominica, Dominican Republic, Grenada, Guyana, Haiti, Jamaica, St. Kitts and Nevis, Saint Lucia, St. Vincent and the Grenadines, Suriname, and Trinidad and Tobago.

4. DUTIES AND RESPONSIBILITIES

Under the direction of the Principal, the Head of the RCC and the Programme Manager, ClimSA Caribbean, and under day-to-day supervision of the CIMH Climatologist, the *ClimSA Caribbean Climatologist* will be required to perform the following duties:

- Assist the Caribbean RCC team, CIMH IT, the ClimSA Caribbean *CAROGEN IT consultant* and, where appropriate, interns, with the upgrading of the CariCOF Outlook GENerator (CAROGEN) online portal. In particular, this will involve (i) making sure that any system upgrades deliver the desired results as defined by the Software Development Test Plan, (ii) implementing new scripts or updating existing scripts to support the automated production of new seasonal and sub-seasonal forecast products and CPT forecasting tool upgrades;
- Contribute to the research and development of new climate products and services under the Caribbean ClimSA project as well as the building of regional capacity to utilize these new products and services. This will involve, *inter alia*, development of climate products and analysis tools, provision of technical training for CIMH and CARIFORUM NMHS staff using face-to-face, hybrid or online modalities;
- Assist the RCC team in user interfacing mechanisms (such as the Caribbean Climate Outlook Forum -- CariCOF) and communication of climate risk based on the RCC Caribbean's suite of climate early warning products;
- Support climate applications research including, *inter alia*, developing Caribbean climate risk-relevant indices. Several activities under the Caribbean ClimSA project support determining which climate indices and their thresholds are best suited to specific sector application in the context of the ClimPACT software package (developed by ET-SCI) which characterizes the susceptibility of various sectors to climate variability and change using proposed indices.

5. ADDITIONAL REQUIREMENTS

The successful candidate should be

- (i) performance and delivery driven;
- (ii) able to work independently;
- (iii) able to function in a highly dynamic, high-performance and collaborative work environment;
- (iv) demonstrate a strong desire for accurate, reproducible, detailed and well-documented work procedures while retaining an overview of overall priorities;
- (v) able to work effectively with diverse stakeholders including persons from local communities, differing gender, youth, civil society, social scientists, natural scientists and sector specialists.

It would be an asset if the successful candidate is familiar with: (i) the World Meteorological Organization (WMO) and its leadership in the Global Framework for Climate Services (GFCS), (ii) WMO Regional Climate Centres (RCCs), and (iii) the region's lead institutions on climate and environmental risk in the Caribbean.

6. EMOLUMENTS AND BENEFITS

Compensation will be commensurate with academic background and experience. The ideal candidate should be a mid-career or early mid-career professional. A non-contributory medical plan is being offered.

7. DURATION & EXPECTED START DATE

The position is available for 2 years in the first instance, starting preferably in October 2022 or as soon as possible thereafter.

8. APPLICATIONS

Interested candidates are required to submit applications (Cover letter, curriculum vitae, certificates, and the contact information for two professional referees) addressed to:

David A. Farrell, Ph.D.
Principal
Caribbean Institute for Meteorology and Hydrology Husbands (CIMH)
St. James BB23006
Barbados

Send via email to hrdept@cimh.edu.bb by the deadline for the submission September 2, 2022.

