

Posted on: 2024-01-02T04:54:40

DB Reference N°: IDB-P2079157-12/23

Country: Barbados, Belize, Guyana, Jamaica, Trinidad and Tobago

Institution: Inter-American Development Bank

Sector: Workforce Development/Skills, General - Information and Communications, Information and Communications Technology

Deadline: 2024-02-22

Status: Published

Loan N°./Financing: ATN/OC-19725-RG

Project: CaribData: Caribbean Data-Driven Resilience

Title: Consultancy services for the development of infrastructure to support data collection, publication and sharing

Borrower/Bid No: IDB-P2059748-09/23

The University of the West Indies, Cave Hill Campus has received financing from the Inter-American Development Bank (IDB), toward the cost of the CaribData project that promotes Caribbean Data-Driven Resilience, and intends to apply part of the proceeds for consulting services.

The consulting services (“the Services”) include:

1) Perform a systems analysis of the existing data infrastructure and proposed expansion:

- Understand and define the scope of the infrastructure expansion with an assessment of the infrastructure environment, system problems, opportunities, solution requirements, and stakeholder priorities.
- Assess the readiness of The UWI, Cave Hill campus, and other project stakeholders for the proposed infrastructure expansion.
- Technical aspects to consider in the assessment should include but not be limited to: how to maintain a mix of public and confidential data resources, enabling role based access, and the governance of the collected data resources.
- The scope of this assessment can be defined in collaboration with the project stakeholders.

2) Perform a cost-benefit analysis of alternative proposed systems

- Assess the relative costs and benefits of several proposed infrastructure expansion solutions, focusing on the following aspects: alignment with stakeholder requirements, financial cost, long-term sustainability within the University system, data security, compatibility with open-data standards (such as ORCiD, DOI), compatibility with FAIR data standards.

3) Implementation of the selected infrastructure expansion solution

4) Creation of an infrastructure administrators manual and training materials.

- Provide user training for The UWI staff, NSOs and other key users

5) System Administration and User support.

Maintenance and support services are expected for a minimum of two years. The first year will be a warranty period.

- Prepare a maintenance and support plan.
- Prepare business continuity and disaster recovery plan.
- Systems administration and user support for the REDCap data collection software;
- Systems administration and user support for the data sharing software expansion;
- Liaise with software infrastructure developers to fix software infrastructure problems as necessary during development and daily operation.
- Train and subsequently work with the UWI-supported system administrator for maintenance continuity after the end of this consultancy.

Duration of contract: work must be completed by October 2025

The University of the West Indies Cave Hill Campus now invites eligible consulting firms (“Consultants”) to indicate their interest in providing the Services. Interested Consultants/Firms should provide information demonstrating that they have the required qualifications, expertise and relevant experience including:

- Expertise and knowledge of all aspects of the data science lifecycle
- Previous experience in the Caribbean would be desirable.
- Experience in leading and conducting training and capacity building to data professionals
- Experience with developing and implementing similar projects.
- Experience with academia would be desirable
- Highly developed communication and writing skills as evidenced by presentations and publicly available reports, blogs, articles, and/or academic pieces.

Qualifications of Team Members:

This consultancy requires the services of a consulting firm with at least 3 years’ experience. The firm’s portfolio must include similar projects. Experience working with the IDB or other multilaterals in emerging markets (particularly the Caribbean) would be highly desirable.

- **The Lead Consultant** should possess a first degree in a quantitative discipline, and a Master’s degree in Economics, Business Law, International Development, or a related field. Ten (10) years of experience in software infrastructure development, quality assurance, including formal systems analysis. Experience in the Caribbean is highly desirable.

- **Key Expert 1 – Data Engineer/Architect** - At least five (5) years’ experience with broad knowledge in

Data Structures, Integration and Governance. Minimum of a university degree (Master's degree or equivalent) in Computer Science, Data Science or a related field.

- **Key Expert 2** – Website Developer –At least five (5) years of experience in website development, including User Experience/Interface Designer, and with a portfolio of completed web projects. Knowledge of open standards for the creation of web-enabled analytics. Minimum of a university degree (Associates degree or equivalent) in a related field.
- **Key Expert 3** – Project Manager - At least five (5) years of experience in agile project management for software development. Evidence of timely project delivery. Minimum of a first degree in Computer Science, Project Management, or other related area.
- **Other Team Members:** Test Leader

Consulting firms will be selected in accordance with the procedures set out in the [Policies for the Selection and Contracting of Consultants financed by the Inter-American Development Bank GN-2350-15](#) for the Quality and Cost Based Selection process (QCBS).

Consultants may associate with other firms in the form of a joint venture or a sub-consultancy to enhance their qualifications. Any firm wishing to express interest must be legally constituted or incorporated under the laws of a [member country](#) of the Bank.

For informal queries please contact Selvi: smjeyaseelan@gmail.com

Expressions of interest must be delivered in a written form (preferably electronic) to the address below (in person, or by mail, or by fax, or by e-mail) by 22nd February 2024.

Attn: Ian Hambleton

The Office of Research Innovation and Community at Cave Hill

The University of the West Indies Cave Hill Campus

Cave Hill

St Michael

Barbados

Tel: +1 246 417-4000

Fax: +1 246 438-9190

E-mail: ian.hambleton@cavehill.uwi.edu

Attachments:

[/system/files/c1infrastructure_eoi_for_upload.pdf](#)

[/system/files/policies_for_the_selection_and_contracting_of_consultants_financed_by_the_inter-american_development_bank._approved_version.pdf](#)