

REQUEST FOR EXPRESSIONS OF INTEREST CONSULTING SERVICES

Selection # as assigned by e-Tool: RG-T3538-P001

Selection Method: Simplified Competitive Selection

Country: Regional

Sector: INE/WSA

Funding – TC #: ATN/OC-17750-RG

Project #: RG-T3538

TC name: Creation of the Latin American Water and Sanitation Observatory (OLAS)

Description of Services: The countries of Latin America and the Caribbean (LAC) gathered within the framework of the Latin American Conference on Sanitation (Latinosan) have established the commitment to create the "Latin American and Caribbean Observatory of Water and Sanitation" (OLAS), as a response to the necessity to have a tool to make data available to the public for monitoring the Objective 6 of the Sustainable Development Goals (SDGs). The IDB is therefore looking for a consulting firm to develop a Data Management Platform for the OLAS to compile, integrate, visualize and communicate in an innovative way, a broad landscape of data, information, knowledge and research of the water and sanitation sector in LAC.

Link to TC document: <https://www.iadb.org/en/project/RG-T3538>

The Inter-American Development Bank (IDB) is executing the above-mentioned operation. For this operation, the IDB intends to contract consulting services described in this Request for Expressions of Interest. Expressions of interest must be delivered using the IDB Portal for Bank Executed Operations (<http://beo-procurement.iadb.org/home>) by **May 12, 2020**, 5:00 P.M. (Washington D.C. Time).

The consulting services ("the Services") include the development of a Data Management Platform as a centralized system for collecting, storing, systematizing, visualizing and disseminating large datasets originated from diverse sources with different formats, regarding the progress towards Objective 6 of the SDGs in the LAC Region. The total duration of the contract will be approximately 8 months.

Eligible consulting firms will be selected in accordance with the procedures set out in the Inter-American Development Bank: [Policy for the Selection and Contracting of Consulting firms for Bank-executed Operational Work](#) - GN-2765-1. All eligible consulting firms, as defined in the Policy may express an interest. If the Consulting Firm is presented in a Consortium, it will designate one of them as a representative, and the latter will be responsible for the communications, the registration in the portal and for submitting the corresponding documents.

The IDB now invites eligible consulting firms to indicate their interest in providing the services described below in the [draft summary](#) of the intended Terms of Reference for the assignment. Interested consulting firms must provide information establishing that they are qualified to perform the Services (brochures, description of similar assignments, experience in similar conditions, availability of appropriate skills among staff, etc.). Eligible consulting firms may associate in a form of a Joint Venture or a sub-consultancy agreement to enhance their qualifications. Such association or Joint Venture shall appoint one of the firms as the representative.

Interested eligible consulting firms may obtain further information during office hours, 09:00 AM to 05:00 PM, (Washington D.C. Time) by sending an email to: Maria Eugenia de la Pena (MDELAPENA@iadb.org)

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Draft Summary of Terms of Reference

Conceptualization of the Data Management Platform for the Latin American Water Observatory (OLAS)

1. Background and Justification

- 1.1 The Countries of Latin America and the Caribbean (LAC) gathered within the framework of the Latin American Conference on Sanitation (Latinosan) have established the commitment to create the "Latin American and Caribbean Observatory of Water and Sanitation" (OLAS), as a response to the necessity to have a tool to make data available to the public for monitoring the Objective 6 of the Sustainable Development Goals (SDGs), which must be operational in two years.
- 1.2 The OLAS platform aims to generate and publish online reliable, comparable, and timely information for the monitoring of SDGs related to water and sanitation for LAC, so that different sector actors can use it for policy formulation and research, and thereby contribute to the development of the sector. This will be done through the creation of a digital platform that will integrate official databases, databases generated by the Bank and data generated by countries for online consultation.
- 1.3 The scope of work of the OLAS is:
 - Present the sector data and information available for viewing, consultation, or download, for its analysis. This is: (i) information from national surveys; (ii) information from water and sanitation surveys carried out under the Latin American Public Opinion Project (LAPOP) at Vanderbilt University with IDB financing; and (iii) information from other relevant databases imported from other platforms.
 - Show information gaps to encourage countries to generate information. Likewise, reference will be made to methodological guides that support the generation of information, good national monitoring practices, and recommendations will be generated for the incorporation of appropriate questions to the censuses and household surveys.
 - Promote the generation of new sectoral information. For this, it will work country by country by carrying out national diagnoses that allow: (i) identifying the key actors in the generation and management of sector information; (ii) identify the challenges and opportunities for the coordination of the different actors; and (iii) generate specific recommendations to improve the generation, collection, validation of sector data and information.
 - Have an information repository that integrates information and relevant sectoral document.
 - Encourage research through the use of OLAS data, which will have the methodological basis and will make references to academic publications and articles that have been generated for dissemination.
- 1.4 As a result of the above, the IDB is looking for a consulting firm to develop a Data Management Platform for the OLAS to compile, integrate, visualize and communicate in an innovative way, a broad landscape of data, information, knowledge and research of the water and sanitation sector in LAC.

- 1.5 The expected audience of the Platform includes the general public, university professors and students, private sector and policy makers, among others. The expected result is to harmonize and promote the dissemination of information and knowledge about the quality and availability of the Water and Sanitation services in LAC.
- 1.6 The information that will be directly integrated to the platform, prior to publishing, will be validated by a specifically Designated Institution.

2. Scope of Services

2.1 The consulting firm should, at a minimum, provide the following services:

- Propose the best and most appropriate architecture and technological solution for the data management of the different data bases.
- The development of the platform should be done in Drupal 8 using Pantheon as Hosting Platform.
- Design and develop a responsive interface/web portal of the OLAS. The solution should be compatible with the major browsers and mobile devices.
- Establish the procedures for the consolidation and updating of the databases and the relevant aspects to facilitate its use with the stakeholders.
- Provide the right mechanism to manage both private and public data and the flexibility to allow data analysis with different level of privacy, internally and externally (the data will have different levels of privacy).
- Provide a user-friendly and innovative interface that allows IDB and non-IDB authorized collaborators to upload, classify and maintain data. The consulting firm must design standards and provide a process for uploading and updating files to facilitate data ingestion (schemas, metadata, protocols, formats), data access, data types, and data processing (cleansing, curation, integration, semantic layer, access protocols).
- Provide a mechanism and user-friendly interface that allows the Designated Institutions to validate the information that has been uploaded.
- Administrative users must be able to manage content within site using Content Management System functionalities.
- The platform should integrate a variety of databases at the municipal level or higher. Ideally the platform will run databases with up to 300,000,000 of datapoints and show weighted averages and standard errors. In addition, the platform will provide links to outside databases and helpful resources for data collection and analysis, including at least four (4) data sources external to the IDB. The architecture should allow to connect additional sources, such as Excel, SQL, MySQL, CSV, and another major DBMS. The data can be either hyperlinked to our web interface or stored in our database (depending on data source capabilities).
- Use the User Experience (UX) design approach to help ensure usability and promotion of information.
- Allow for visualization of geographical information on the platform, in the form of polygonal maps and compelling graphs.
- Develop and deliver a handbook for platform's governance (data stewards, change management, data stakeholders, roles and responsibilities among other things).
- Propose and implement the platform's information security and cybersecurity measures.
- Provide the necessary documentation both technical and functional solution.
- The portal and the interfaces should be developed to support in English, Spanish, and Portuguese.
- Incorporate graphic elements as advised by the IDB, including among others: logo of the initiative, color schemes, platform "look & feel", which will have to adhere to KIC branding requirements.
- Manage and coordinate all the activities and the delivery of the products with the supervisory team designated by the IDB.
- At the end of the deliverables the consultancy shall train the IDB team for the future management and updating of the databases in order to internalize all the technical capacities at the IDB.
- At the end of the deliverables the consultancy shall train the Designated Institutions team for the future management and validating of the data uploaded.
- The consultancy must provide suitable maintenance for the correct operation of the Platform for at least two (2) months after launch. Finishing this time and depending on the project success, IDB will consider the possibility to extend this support with the consultancy under a new contract.

3. Schedule of Payments

- 3.1 The total duration of the contract would be approximately 8 months, but the Consulting Firm is expected to develop the platform within approximately 4 months of signing the contract.
- 3.2 Payment terms will be based on project milestones and deliverables. The Bank does not expect to make advance payments under consulting contracts unless a significant amount of travel is required.