

REQUEST FOR EXPRESSIONS OF INTEREST
CONSULTING SERVICES FOR BANK-EXECUTED OPERATIONS
SIMPLIFIED COMPETITIVE SELECTION PROCESS

PROJECT NAME: Support in Geographic Information Systems (GIS) for the Design and Execution of Telecommunications Loan Operations

SELECTION PROCESS #: BR-T1571, BR-T1554

SELECTION METHOD: Simplified Competitive

COUNTRY: Brazil

SECTOR OR DEPARTMENT: IFD/CMF

TC NAME: Support the Credit Expansion Program for Investments in Telecommunications Networks in Brazil (BR-L1619) and Support for the connectivity infrastructure pillar of the CCLIP Brazil More Digital

FUNDING – TC #: BR-T1571, BR-T1554

LINK TO TC DOCUMENT: [Link to the public TC Document](#)

The Inter-American Development Bank (the Bank) was established in December of 1959 to help accelerate economic and social development in Latin America and the Caribbean. Today, the Bank is a major catalyst in mobilizing resources for the region (For more information about the Bank, please refer to the Bank’s website at www.iadb.org.)

Section 1. Purpose of this Request for Expression of Interest

1.1 The Bank is executing the above-mentioned project. The Bank intends to contract consulting services described in this Request for Expressions of Interest (REOI). The purpose of this REOI is to obtain sufficient information to enable the Bank to evaluate if the eligible consulting firms (CF) have the experience and qualifications relevant to provide the consulting services requested by the Bank.

1.2 As defined in the Corporate Procurement Policy ([GN-2303-33](#)), participating CF must be from a Bank’s Member Country¹ or Territory² to be eligible to submit an Expression of Interest (EOI). . CF with the required experience relevant to the assignment shall be assessed. The Bank will conduct the assessment and ranking of the EOI submitted by the CF that expressed interest. The Bank will invite CF to submit a proposal in the order in which the ranking is established. If the proposal of the first-ranked CF is acceptable, the CF will be invited to negotiate a Contract. If the negotiations with the first-ranked CF fail, the next-ranked CF may be invited to submit a proposal and negotiate.

¹ **Member Countries:** Argentina, Austria, Bahamas, Barbados, Belgium, Belize, Bolivia, Brazil, Canada, Colombia, Costa Rica, Chile, Croatia, Denmark, Dominican Republic, Ecuador, El Salvador, Finland, France, Germany, Guatemala, Guyana, Haiti, Honduras, Israel, Italy, Jamaica, Japan, Mexico, Netherlands, Nicaragua, Norway, Panama, Paraguay, People’s Republic of China, Peru, Portugal, Republic of Korea, Slovenia, Spain, Suriname, Sweden, Switzerland, Trinidad & Tobago, United Kingdom, United States, Uruguay and Venezuela.

² **Eligible Territories:** a) Guadeloupe, French Guiana, Martinique, Reunion – as Departments of France; b) U.S. Virgin Islands, Puerto Rico, Guam – as Territories of the USA; c) Aruba – as a constituent country of the Netherlands; and Bonaire, Curacao, Saint Marten, Saba, St Eustatius – as Departments of the Netherlands; d) Hong Kong – as a Special Administrative Region of the People’s Republic of China.

1.3 This REOI is not to be construed as either an RFP or an offer to contract and in no way obligates the Bank to contract anyone. The Bank reserves the right to reject any and all participating CF for any or no reason without having to provide an explanation. The Bank does not bind itself in any way to select any participating consulting firm. No debrief will be provided as to why CF have or have not been shortlisted.

Section 2. Instructions to the eligible consulting firms

2.1 Expressions of interest must be delivered using the *Bidder Portal for the Selection and Contracting of Consulting Firms for Bank-Executed Operations* (the Portal) (<http://beo-procurement.iadb.org>) by: *[11/4th/2024]*, 5:00 P.M. (**Washington, D.C., Time**) in PDF format only (Max. 45MB).

2.2 To access the Portal, the CF must generate a registration account, including **all** the data requested by the Portal. If any of the information requested is not included, the consulting firm will not be able to participate in this or any other Bank-executed selection process for operational work. If the consulting firm has been previously registered, please validate that you have **all** the consulting firm's information updated and complete before submitting an EOI.

2.3 Eligible CF may partner in the form of a Consortium/joint venture (JV) to enhance their qualifications. Such Consortium/JV shall appoint one of the CF as the representative responsible for the communications, the registration in the Portal, and the submission of the corresponding documents.

2.4 Interested CF may obtain further information during office hours, 09:00 AM to 05:00 PM (**Washington, D.C. Time**), by sending an email to: *Luis Guillermo Alarcón López* luisala@iadb.org

Inter-American Development Bank

Division: *IFD/CMF*

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2.5 The Bank hereby invites eligible CF to indicate their interest in providing the services described below in the draft Terms of Reference for the consulting services. Interested CF must provide information establishing that they have the necessary experience and are qualified to perform the services. So that all responses may be properly evaluated, eligible CF must include in their submissions the information requested in the following section, with full and clear explanations.

Section 3. Consulting Services

3.1 The consulting services include **specialized services to strengthen the Bank's GIS capabilities, focusing on the use of geospatial data for the design, execution, and monitoring of telecommunications loan operations in Brazil. Specifically, the firm will:**

- **Design and deliver training on the use of the Digital Connectivity Collaboration Hub (DC2H) and the IDB's Atlas platform.**
- **Develop a geospatial framework based on the H3 grid methodology, incorporating demographic and broadband coverage data.**
- **Provide operational support to integrate geospatial data into four loan operations of the 2024-2025 pipeline.**
- **Support the development of functional specifications for the SISCREED system under the BR-L1619 operation.**

Estimated Timeframe for Performance of Services:

The consultancy will be conducted over a period of 8 months, with key deliverables scheduled as follows:

Kick-off meeting: T(0) + 2 weeks

Delivery of training program: T(0) + 2 months

H3 geospatial framework developed: T(0) + 3 months

Operational support for loan operations: T(0) + 6 months

SISCREED system specifications: T(0) + 8 months

Estimated Budget Available:

3.2 Although there is no standard format for presenting an Expression of Interest, eligible CF must submit an EOI containing the following information:

- 1) Basic Information—Provide the official name of CF, the contact's name, email address, phone numbers, and office address (es) of the key contact (s) responsible for the EOI.
- 2) Background—Provide a description of the CF. The CF may include brochures or documents that provide information about its organization, history, mission, structure, and number of staff.
- 3) Experience related to the requested consulting services—Provide all kinds of evidence the CF considers appropriate to show its experience and expertise in delivering services similar to those described in Annex A, Terms of Reference (e.g., brochures, reports, studies, description of similar assignments, references to cases in which it has provided similar services, experience in similar conditions, availability of appropriate skills among staff, etc.)

3.3 Estimated budget: **US\$ 100,000.00**

Annex A. Draft Terms of Reference

Please note that the attached Terms of Reference may be subject to changes by the Bank. The CF that have been shortlisted will be notified of these changes.

ANNEX A – Terms of reference

Support in Geographic Information Systems (GIS) for the Design and Execution of Telecommunications Loan Operations

Brazil

Technical Cooperation Numbers: BR-T1571, BR-T1554

1. Background and Justification

- 1.1. Technical Cooperations BR-T1571 and BR-T1554 support operations BR-L1619 and BR-00010 which focus on financing the private sector, particularly small operators operating in smaller municipalities, and supporting both national and subnational governments and local development banks, in developing critical digital and telecommunications infrastructure for their development agenda. Both operations utilize geospatial data for diagnosing and designing projects, with the short-term goal of evolving towards using geospatial data for monitoring and evaluation of outputs and outcomes. These efforts will be supported by consulting services funded through these Terms of Reference.*
- 1.2. The consulting firm will play a key role in strengthening the GIS capabilities within the Bank's Connectivity Markets and Finance Division (IFD/CMF), building upon existing systems and updating sectoral geospatial data. This will ensure the efficient use of these tools to support the diagnosis, design, monitoring, and evaluation of the Bank's telecommunications operations, enabling better decision-making and project execution.*
- 1.3. Furthermore, the Crowdsourcing to Identify Digital Gaps (C2DB) and Digital Connectivity Collaboration Hub (DC2H), developed by IFD/CMF for Brazil, are essential platforms that have positioned the Bank as a leader in applying data science to telecommunications among Multilateral Development Banks. These platforms provide valuable geospatial data and insights. This consultancy will also support the development of information systems such as SISCREED, which will enhance credit access for small ISPs, and the implementation*

of modern georeferencing systems like the H3 framework, offering flexible and scalable geospatial analysis tools to further strengthen the Bank's capacity in telecommunications projects

2. Objectives

The objective of this consultancy is twofold:

- 2.1. Support the Development and Use of GIS Systems in the Bank: To enhance the Bank's personnel capabilities in using GIS tools, including the design and delivery of training and support for key stakeholders in the use of the DC2H and IDB Atlas platforms.*
- 2.2. Support for the Design and Execution of Bank Operations: To apply geospatial data science to the financing of telecommunications projects, ensuring GIS data is integrated into project design and results monitoring.*

3. Scope of Services

The consultancy firm will provide services in two key areas:

3.1. Group 1: Operational Support for GIS Systems

3.1.1. Training: Design and deliver a course on the use of DC2H, covering user registration, content management, and interaction with IDB's Atlas platform. The course will include a three-month part-time on-call support period post-delivery.

3.1.2. Geospatial Framework: Develop a geospatial management framework using H3 grid methodology (resolution 8) that updates the demographic data from the 2022 census, fixed and mobile broadband coverage as of 2024, and the ISP data from OOKLA's QoE (Quality of Experience) crowdsourcing, and making it available in DC2H.

3.2. Group 2: Support for the Design and Execution of Operations

3.2.1. Operational Support for Loan Operations: Provide geospatial consulting for four loan operations of the IDB's IFD/CMF 2024-2025 pipeline, including projects focused on connectivity such as BR-L1644 and others involving telecommunications components.

3.2.2. SISCREED System Development Support: Provide consultancy on the telecommunications, geospatial and crowdsourcing data as part of the team developing the minimal functional specifications for the SISCREED system as described under the BR-L1619 operation.

4. Key Activities

4.1. Design and deliver a training program for DC2H users and stakeholders, including the development of geospatial tools, as Dashboards and Stories, to visualize geographic data and support the communication of project outcomes.

4.2. Create an H3-based geospatial national framework, integrating updated census data and a year of fixed and mobile broadband coverage and ISP identification data, based on OOKLA background and QoE empirical data bases.

4.3. Provide consultancy services to support SISCREED minimum functional specifications and BR-L1619 project baseline definitions.

4.4. Provide GIS consulting support for the design and monitoring of four 2024 – 2025 IFD/CMF pipeline loan operations.

5. Expected Outcome and Deliverables

- 5.1. Training and Support:** A comprehensive training program and a three-month support period for DC2H users.
- 5.2. H3 Geospatial Framework:** A geospatial reference framework with updated population and coverage data.
- 5.3. Operational Support for Loan Operations:** Consulting reports and advice for four operations.
- 5.4. SISCREd Specifications:** Detailed specifications for the development of the SISCREd system.

6. Project Schedule and Milestones

Deliverable	Timeline
Kick-off meeting	T(0)+2 weeks
Delivery of training program	T(0)+2 months
H3 geospatial framework developed	T(0)+3 months
Operational support for loan operations	T(0)+6 months
SISCREd system specifications	T(0)+8 months

7. Reporting Requirements

The consulting firm will provide bi-weekly progress updates, including:

- 7.1.** Summary of completed activities.
- 7.2.** Points of attention.
- 7.3.** Next steps and actions

8. Acceptance Criteria

Deliverables will be subject to approval by the project leader and will be assessed based on:

- 8.1.** Adherence to project requirements.
- 8.2.** Timeliness and completeness of deliverables.
- 8.3.** Functionality and quality of the GIS tools and frameworks developed.

9. Consulting Firm and Team Requirements

- 9.1.** The consulting firm must have proven experience in geospatial data science, telecommunications, and familiarity with the DC2H and Atlas platforms.
- 9.2.** The team must include experts in GIS systems, data management, and telecommunications infrastructure.

10. Other Requirements

- 10.1.** The Consulting Firm must be able to work in English, Spanish and Portuguese languages.
- 10.2.** The Consulting firm must be located in one of the Member Countries of the IDB.
- 10.3.** The contract under this TORs will be Data Processor type.
- 10.4.** The company must deliver, as part of its communication plan, a RACI matrix (responsible, approval, consultation and information) and define a point of contact

11. Supervision and Reporting

Payments will be made based on project milestones, as follows:

- 11.1. At the beginning of the project, the work plan will be agreed.
- 11.2. The IDB project leader will organize a formal start-of-work meeting.
- 11.3. The head of the IDB project may call additional meetings to monitor the work.
- 11.4. The IDB project head will approve all deliverables in writing.

12. Schedule of Payments

- 12.1. Payment will be in US Dollars and based on project milestones or deliverables as in 5 Expected Outcomes and Deliverables, above.

Payment Schedule	
<i>Deliverable</i>	%
1. Training program and support	30%
2. H3 geospatial framework	30%
3. Operational support for loan operations	20%
4. SISCREED system specifications	20%
TOTAL	100%

- 12.2. Deliverables 1, 2 and 3 will be financed by BR-T1554 and deliverable 4 will be paid by BR-T1571.