

RG-T4632 AquaData: cómo mejorar la eficiencia operativa de los servicios de agua con el utilizzo de Inteligencia Artificial

Anexo 4. Propuesta de Términos de referencia

1.	Application of AquaData in water and sanitation providers – set 1	2
2.	Application of AquaData in water and sanitation providers – set 2	7
3.	Database validation and analysis to facilitate AquaData implementation	12
4.	Knowledge Document: AquaData User's Guide.....	16

Proceso de selección # XXXXX

Términos de referencia

1. Application of AquaData in water and sanitation providers – set 1

Selection Process # XXXXX

Terms of reference

Study for data generation and analysis using AI to promote digital transformation

Work position: remote

The IDB Group is a community of diverse, versatile and passionate people united to improve lives in Latin America and the Caribbean. Those who work with us find purpose and do what they love in an inclusive, collaborative, agile and rewarding environment.

About this position

The Water and Sanitation Division seeks to ensure universal and sustainable access to high-quality water and sanitation, and solid waste management services to contribute to the sustainable economic growth of the Bank's member countries in Latin America and the Caribbean and with the improvement of the quality of life of its citizens. The main objective of this consultancy is to accelerate the technology agenda, specifically using Big Data and Machine Learning to improve INE's operations in Latin America and the Caribbean.

You will contribute to the innovation agenda of the Water and Sanitation Division (WSA) through the activities enumerated below, related to water providing companies in the region. For all the companies the plan will consist of the basic activities of new projects of Non-technical Losses Detection platforms development, according to previous instances of similar works.

This is what you will do

- Collaborate in the development of a workplan for WSA on applying Big Data and Artificial Intelligence to reduce non technical water losses using monthly consumption data from, at least, two water providers of different countries. This includes analyzing the problems to be solved (e.g., water non-technical losses) and asking the appropriate questions to understand current and desired situations in which general statistics and Data Science algorithms can help. Product: Workplan applying Big Data and Artificial Intelligence to reduce non-technical water losses in specific locations.
- Extracting and working with massive volumes of data (Big Data) in heterogeneous and unstructured formats from multiple internal and external sources. Product: Exploratory analysis of the data provided by the companies.

- Analyze models and proofs of concept previously developed by INE and WSA and build upon them when convenient to solve non-technical losses problems in the corresponding companies, and develop and implement new Machine Learning (ML) or Deep Learning (DL) models for identifying water losses in the companies, using the methodology and development framework that INE and WSA department use for prototype development. Product: At least one Proof of Concept (PoC) that generate insights from available data for each company.
- Participate in the development of a Minimum Viable Product (MVP) based on the PoCs described above for the companies. Product: documentation of the PoCs, participation in the technical meetings for the software development of the MVP, and adjustments to the models according to WSA needs.
- Update the repositories of the Bank's cloud infrastructure with MVPs for Mexico and other countries, according to the ITE Department requirements and the requirements of the clients into the InfraDigital platform for future potential use in other countries. Product: Update of software scripts according to InfraDigital's requirements.
- Attend virtually periodic meetings with the team in HQ and COFs, and accompany and represent the IDB in executive and operational meetings with clients in Mexico, on a weekly basis. Product: Meeting reports or Presentation contents of each meeting.
- Make presentations, update documentation, and update manuals of the developed algorithms or prototypes in order to facilitate their application in other countries. Product: presentations, updated documents or manuals.
- Collaborate on the development of a Standard protocol for further projects, in order to shorten times, lower the related costs, simplify tasks and delegate specific requirements to client companies' agents. Product: Standard protocol of data requirements and project steps with estimated durations and more efficient workflow, for further projects

Schedule of Deliveries and Payments

Payments will be made in the detailed months against delivery of reports corresponding to the time actually worked in said period. For this purpose, a daily record of the hours worked will be kept and submitted for approval prior to the issuance of the corresponding invoice.

<u>Deliverables#</u>	<u>Percentage</u>	<u>Estimated Delivery Date</u>
Deliverable set #1. <ul style="list-style-type: none"> • Workplan for the , at least, two companies 	25%	2 months from contract signature
Deliverable set #2. <ul style="list-style-type: none"> • Exploratory analysis of data for, at least, two companies 	25%	5 months from contract signature
Deliverable set #3. One POC for each of the, at least, two companies	25%	8 months from contract signature

Deliverable set #4. <ul style="list-style-type: none"> One MVP for each of the, at least, two companies 	25%	15 months from contract signature
---	-----	-----------------------------------

What you'll need

- **Citizenship:** You are a citizen of one of our 48-member countries.
- **Consanguinity:** You have no family members (up to fourth degree of consanguinity and second degree of affinity, including spouse) working at the IDB Group.
- **Education:** Master's or PhD Degree in areas related to Data Science, Computer Science or a related field in an accredited university.
- **Experience:** 5 years of relevant experience in technology projects applied to transportation, energy, water and sanitation or related areas. Experience working with public agencies in LAC countries is preferred.
- **Languages:** Proficient in at least one of the official languages of the Bank (Spanish, English, Portuguese, and French), preferably with a working knowledge of a second one.

Core and Technical Competencies

- Strong understanding of novel technologies applied to the infrastructure sector, including artificial intelligence, Internet of Things and robotics.
- Strong strategic and management skills.
- Strong understanding of Data Science.
- Programming knowledge of Python or R.
- Experience with Data Storage and Management infrastructure on which to run analytics tools as well as a place to store and query data.
- Knowledge on how to identify relevant information sources and be able to capture them through APIs or other methods, being able to clean data and make it ready to use.
- Fluent in Machine Learning algorithms, both classifiers (linear functions, rule or Bayes or instance based) and on-line predictors (e.g. Markov Models).
- Fluent in human-computer interaction focused on Natural Language Processing (NLP) and Semantics, using ontologies, dictionaries, etc., to understand and manipulate text.
- Knowledge on how to use Data Visualization tools (e.g. Tableau, Silk, Plot.ly, Power BI)
- Math, statistics and programming: Be able process data points (unstructured and structured) and clean and organize them.
- Strong understanding of Software Development.
- Knowledge of how to use cloud services from major providers (AWS or Azure).

Opportunity summary

- **Type of contract and modality:** Products and External Services Consultant (PEC)
- **Length of contract:** 15 months
- **Location:** Consultant's residency.

- **Responsible person:** Marcello Basani (marcellob@iadb.org), WSA Sector Lead Specialist and Alexander Riobo (jairori@iadb.org), Sr. Specialist within the Infrastructure and Energy Department (INE/INE).
- **Requirements:** You must be a citizen of one of the IDB's 48 member countries and have no family members currently working at the IDB Group

What we offer

The IDB Group offers benefits that respond to the different needs and moments in an employee's life. These benefits include:

- A competitive compensation package.
- A flexible way of working. You will be evaluated by deliverable.

Our Culture

At IDB Group, we work for all people to be their best and bring their true selves to work, be willing to try new approaches without fear, be accountable for their actions and be rewarded for them.

Diversity, Equity, Inclusion and a Sense of Belonging are the pillars of our organization. We celebrate all dimensions of diversity and encourage applications from women, LGBTQ+, people with disabilities, people of African descent and indigenous people.

We will ensure that people with disabilities are provided reasonable accommodations to participate in the job interview process. If you are a qualified candidate with a disability, please email us at diversity@iadb.org to request reasonable accommodations in order to complete this application.

Our Human Resources Team thoroughly reviews each application.

About the IDB Group

The IDB Group, comprised of the Inter-American Development Bank (IDB), IDB Invest and IDB Lab, provides flexible financing solutions to its member countries to fund economic and social development through loans and grants to public and private entities in Latin America and the Caribbean.

About the IDB

The Inter-American Development Bank's mission is to improve lives. Founded in 1959, the IDB is a leading source of long-term financing for economic, social and institutional development in Latin America and the Caribbean. The IDB also conducts cutting-edge research projects and provides policy advice, technical assistance and training to public and private clients throughout the region.

Follow us:

<https://www.linkedin.com/company/inter-american-development-bank/>

<https://www.facebook.com/IADB.org>

https://twitter.com/the_IDB

About IDB Lab

IDB Lab is the IDB Group's innovation lab, the leading source of development finance and knowledge focused on improving lives in Latin America and the Caribbean. IDB Lab's purpose is to drive innovation for inclusion in the region, mobilizing funding, knowledge and connections to test early-stage private sector solutions with the potential to transform the lives of vulnerable populations affected by economic, social and environmental conditions.

Follow us:

<https://www.linkedin.com/company/idblab/>

<https://www.facebook.com/IDBLab>

https://twitter.com/IDB_Lab

About IDB Invest

IDB Invest, a member of the IDB Group, is a multilateral development bank committed to promoting the economic development of its member countries in Latin America and the Caribbean through the private sector. IDB Invest finances sustainable enterprises and projects to achieve financial results and maximize economic, social and environmental development in the region. With a portfolio of \$15.3 billion in assets under management and 375 clients in 25 countries, IDB Invest provides innovative financial solutions and advisory services that respond to the needs of its clients in a variety of sectors.

Follow us:

<https://www.linkedin.com/company/idbinvest/>

<https://www.facebook.com/IDBInvest>

<https://twitter.com/BIDInvest>

2. Application of AquaData in water and sanitation providers – set 2

Study for data generation and analysis using AI to promote digital transformation

Work position: remote

The IDB Group is a community of diverse, versatile and passionate people united to improve lives in Latin America and the Caribbean. Those who work with us find purpose and do what they love in an inclusive, collaborative, agile and rewarding environment.

About this position

The Water and Sanitation Division seeks to ensure universal and sustainable access to high-quality water and sanitation, and solid waste management services to contribute to the sustainable economic growth of the Bank's member countries in Latin America and the Caribbean and with the improvement of the quality of life of its citizens. The main objective of this consultancy is to accelerate the technology agenda, specifically using Big Data and Machine Learning to improve INE's operations in Latin America and the Caribbean.

You will contribute to the innovation agenda of the Water and Sanitation Division (WSA) through the activities enumerated below, related to water providing companies from the region. For all the companies the plan will consist of the basic activities of new projects of Non-technical Losses Detection platforms development, according to previous instances of similar works.

This is what you will do

- Collaborate in the development of a workplan for WSA on applying Big Data and Artificial Intelligence to reduce non technical water losses using monthly consumption data from, at least, two water providers of different countries. This includes analyzing the problems to be solved (e.g., water non-technical losses) and asking the appropriate questions to understand current and desired situations in which general statistics and Data Science algorithms can help. Product: Workplan applying Big Data and Artificial Intelligence to reduce non-technical water losses in specific locations.
- Extracting and working with massive volumes of data (Big Data) in heterogeneous and unstructured formats from multiple internal and external sources. Product: Exploratory analysis of the data provided by the companies.
- Analyze models and proofs of concept previously developed by INE and WSA and build upon them when convenient to solve non-technical losses problems in the corresponding companies, and develop and implement new Machine Learning (ML) or Deep Learning (DL) models for identifying water losses in the companies, using the methodology and development framework that INE and WSA department use for prototype development. Product: At least one proof of concept (POC) that generate insights from available data for each company.
- Participate in the development of a minimum viable product (MVP) based on the POCs described above for the companies. Product: documentation of the POCs, participation in the technical

meetings for the software development of the MVP, and adjustments to the models according to WSA needs.

- Update the repositories of the Bank's cloud infrastructure with MVPs for Mexico and other countries, according to the ITE Department requirements and the requirements of the clients into the InfraDigital platform for future potential use in other countries. Product: Update of software scripts according to InfraDigital's requirements.
- Attend virtually periodic meetings with the team in HQ and COFs, and accompany and represent the IDB in executive and operational meetings with clients in Mexico, on a weekly basis. Product: Meeting reports or Presentation contents of each meeting.
- Make presentations, update documentation, and update manuals of the developed algorithms or prototypes in order to facilitate their application in other countries. Product: presentations, updated documents or manuals.
- Collaborate on the development of a Standard protocol for further projects, in order to shorten times, lower the related costs, simplify tasks and delegate specific requirements to client companies' agents. Product: Standard protocol of data requirements and project steps with estimated durations and more efficient workflow, for further projects

Schedule of Deliveries and Payments

Payments will be made in the detailed months against delivery of reports corresponding to the time actually worked in said period. For this purpose, a daily record of the hours worked will be kept and submitted for approval prior to the issuance of the corresponding invoice.

<u>Deliverables#</u>	<u>Percentage</u>	<u>Estimated Delivery Date</u>
Deliverable set #1. <ul style="list-style-type: none"> • Workplan for, at least, two companies 	25%	2 months from contract signature
Deliverable set #2. <ul style="list-style-type: none"> • Exploratory analysis of data for the companies 	25%	5 months from contract signature
Deliverable set #3. One POC for each of the, at least, two companies	25%	8 months from contract signature
Deliverable set #4. <ul style="list-style-type: none"> • One MVP for each, at least, two companies 	25%	15 months from contract signature

What you'll need

- **Citizenship:** You are a citizen of one of our 48-member countries.
- **Consanguinity:** You have no family members (up to fourth degree of consanguinity and second degree of affinity, including spouse) working at the IDB Group.
- **Education:** Master's or PhD Degree in areas related to Data Science, Computer Science or a related field in an accredited university.

- **Experience:** 5 years of relevant experience in technology projects applied to transportation, energy, water and sanitation or related areas. Experience working with public agencies in LAC countries is preferred.
- **Languages:** Proficient in at least one of the official languages of the Bank (Spanish, English, Portuguese, and French), preferably with a working knowledge of a second one.

Core and Technical Competencies

- Strong understanding of novel technologies applied to the infrastructure sector, including artificial intelligence, Internet of Things and robotics.
- Strong strategic and management skills.
- Strong understanding of Data Science.
- Programming knowledge of Python or R.
- Experience with Data Storage and Management infrastructure on which to run analytics tools as well as a place to store and query data.
- Knowledge on how to identify relevant information sources and be able to capture them through APIs or other methods, being able to clean data and make it ready to use.
- Fluent in Machine Learning algorithms, both classifiers (linear functions, rule or Bayes or instance based) and on-line predictors (e.g. Markov Models).
- Fluent in human–computer interaction focused on Natural Language Processing (NLP) and Semantics, using ontologies, dictionaries, etc., to understand and manipulate text.
- Knowledge on how to use Data Visualization tools (e.g. Tableau, Silk, Plot.ly, Power BI)
- Math, statistics and programming: Be able process data points (unstructured and structured) and clean and organize them.
- Strong understanding of Software Development.
- Knowledge of how to use cloud services from major providers (AWS or Azure).

Opportunity summary

- **Type of contract and modality:** Products and External Services Consultant (PEC)
- **Length of contract:** 15 months
- **Location:** Consultant's residency.
- **Responsible person:** Marcello Basani (marcellob@iadb.org), WSA Sector Lead Specialist and Alexander Riobo (jairori@iadb.org), Sr. Specialist within the Infrastructure and Energy Department (INE/INE).
- **Requirements:** You must be a citizen of one of the IDB's 48 member countries and have no family members currently working at the IDB Group

What we offer

The IDB Group offers benefits that respond to the different needs and moments in an employee's life. These benefits include:

- A competitive compensation package.
- A flexible way of working. You will be evaluated by deliverable.

Our Culture

At IDB Group, we work for all people to be their best and bring their true selves to work, be willing to try new approaches without fear, be accountable for their actions and be rewarded for them.

Diversity, Equity, Inclusion and a Sense of Belonging are the pillars of our organization. We celebrate all dimensions of diversity and encourage applications from women, LGBTQ+, people with disabilities, people of African descent and indigenous people.

We will ensure that people with disabilities are provided reasonable accommodations to participate in the job interview process. If you are a qualified candidate with a disability, please email us at diversity@iadb.org to request reasonable accommodations in order to complete this application.

Our Human Resources Team thoroughly reviews each application.

About the IDB Group

The IDB Group, comprised of the Inter-American Development Bank (IDB), IDB Invest and IDB Lab, provides flexible financing solutions to its member countries to fund economic and social development through loans and grants to public and private entities in Latin America and the Caribbean.

About the IDB

The Inter-American Development Bank's mission is to improve lives. Founded in 1959, the IDB is a leading source of long-term financing for economic, social and institutional development in Latin America and the Caribbean. The IDB also conducts cutting-edge research projects and provides policy advice, technical assistance and training to public and private clients throughout the region.

Follow us:

<https://www.linkedin.com/company/inter-american-development-bank/>

<https://www.facebook.com/IADB.org>

https://twitter.com/the_IDB

About IDB Lab

IDB Lab is the IDB Group's innovation lab, the leading source of development finance and knowledge focused on improving lives in Latin America and the Caribbean. IDB Lab's purpose is to drive innovation for inclusion in the region, mobilizing funding, knowledge and connections to test early-stage private sector solutions with the potential to transform the lives of vulnerable populations affected by economic, social and environmental conditions.

Follow us:

<https://www.linkedin.com/company/idblab/>

<https://www.facebook.com/IDBLab>

https://twitter.com/IDB_Lab

About IDB Invest

IDB Invest, a member of the IDB Group, is a multilateral development bank committed to promoting the economic development of its member countries in Latin America and the Caribbean through the private sector. IDB Invest finances sustainable enterprises and projects to achieve financial results and maximize economic, social and environmental development in the region. With a portfolio of \$15.3 billion in assets under management and 375 clients in 25 countries, IDB Invest provides innovative financial solutions and advisory services that respond to the needs of its clients in a variety of sectors.

Follow us:

<https://www.linkedin.com/company/idbinvest/>

<https://www.facebook.com/IDBInvest>

<https://twitter.com/BIDInvest>

3. Database validation and analysis to facilitate AquaData implementation

Data analysis and validation to promote digital transformation

Work position: remote

The IDB Group is a community of diverse, versatile and passionate people united to improve lives in Latin America and the Caribbean. Those who work with us find purpose and do what they love in an inclusive, collaborative, agile and rewarding environment.

About this position

The Water and Sanitation Division seeks to ensure universal and sustainable access to high-quality water and sanitation, and solid waste management services to contribute to the sustainable economic growth of the Bank's member countries in Latin America and the Caribbean and with the improvement of the quality of life of its citizens. The main objective of this consultancy is to accelerate the technology agenda, specifically using Big Data and Machine Learning to improve INE's operations in Latin America and the Caribbean.

You will contribute to the innovation agenda of the Water and Sanitation Division (WSA) through the activities enumerated below, related to water providing companies from the region. For all the companies the plan will consist of the basic activities of new projects of Non-technical Losses Detection platforms development, according to previous instances of similar works.

This is what you will do

- Analyze, clean and validate massive volumes of data (Big Data) in heterogeneous and unstructured formats from multiple internal and external sources. Product: Exploratory analysis of the data provided by the companies.
- Support in the application of AquaData. Product: At least one proof of concept (POC) that generate insights from available data for each company.
- Whenever needed, re-analyse the results of the application of AquaData to validate results.
- Attend virtually periodic meetings with the team in HQ and COFs, and accompany and represent the IDB in executive and operational meetings with clients. Product: Meeting reports or Presentation contents of each meeting.
- Make presentations, update documentation, and update manuals of the developed algorithms or prototypes in order to facilitate their application in other countries. Product: presentations, updated documents or manuals.
- Collaborate on the development of a Standard protocol for further projects, in order to shorten times, lower the related costs, simplify tasks and delegate specific requirements to client companies' agents. Product: Standard protocol of data requirements and project steps with estimated durations and more efficient workflow, for further projects

Schedule of Deliveries and Payments

Payments will be made in the detailed months against delivery of reports corresponding to the time actually worked in said period. For this purpose, a daily record of the hours worked will be kept and submitted for approval prior to the issuance of the corresponding invoice.

<u>Deliverables#</u>	<u>Percentage</u>	<u>Estimated Delivery Date</u>
Deliverable set #1. <ul style="list-style-type: none">• Workplan for, at least, four companies	25%	2 months from contract signature
Deliverable set #2. <ul style="list-style-type: none">• Exploratory analysis of data for, at least, four companies	25%	5 months from contract signature
Deliverable set #3. One POC for each of the, at least, four companies	25%	8 months from contract signature
Deliverable set #4. <ul style="list-style-type: none">• One MVP for each of the, at least, four companies	25%	15 months from contract signature

What you'll need

- **Citizenship:** You are a citizen of one of our 48-member countries.
- **Consanguinity:** You have no family members (up to fourth degree of consanguinity and second degree of affinity, including spouse) working at the IDB Group.
- **Education:** Master's in areas related to Data Science, Computer Science or a related field in an accredited university.
- **Experience:** 5 years of relevant experience in technology projects applied to transportation, energy, water and sanitation or related areas. Experience working with public agencies in LAC countries is preferred.
- **Languages:** Proficient in at least one of the official languages of the Bank (Spanish, English, Portuguese, and French), preferably with a working knowledge of a second one.

Core and Technical Competencies

- Strong understanding of novel technologies applied to the infrastructure sector, including artificial intelligence, Internet of Things and robotics.
- Strong strategic and management skills.
- Strong understanding of Data Science.
- Programming knowledge of Python or R.
- Experience with Data Storage and Management infrastructure on which to run analytics tools as well as a place to store and query data.
- Knowledge on how to identify relevant information sources and be able to capture them through APIs or other methods, being able to clean data and make it ready to use.

- Fluent in Machine Learning algorithms, both classifiers (linear functions, rule or Bayes or instance based) and on-line predictors (e.g. Markov Models).
- Fluent in human–computer interaction focused on Natural Language Processing (NLP) and Semantics, using ontologies, dictionaries, etc., to understand and manipulate text.
- Knowledge on how to use Data Visualization tools (e.g. Tableau, Silk, Plot.ly, Power BI)
- Math, statistics and programming: Be able process data points (unstructured and structured) and clean and organize them.
- Strong understanding of Software Development.
- Knowledge of how to use cloud services from major providers (AWS or Azure).

Opportunity summary

- **Type of contract and modality:** Products and External Services Consultant (PEC)
- **Length of contract:** 15 months
- **Location:** Consultant's residency.
- **Responsible person:** Marcello Basani (marcellob@iadb.org), WSA Sector Lead Specialist and Alexander Riobo (jairori@iadb.org), Sr. Specialist within the Infrastructure and Energy Department (INE/INE).
- **Requirements:** You must be a citizen of one of the IDB's 48 member countries and have no family members currently working at the IDB Group

What we offer

The IDB Group offers benefits that respond to the different needs and moments in an employee's life. These benefits include:

- A competitive compensation package.
- A flexible way of working. You will be evaluated by deliverable.

Our Culture

At IDB Group, we work for all people to be their best and bring their true selves to work, be willing to try new approaches without fear, be accountable for their actions and be rewarded for them.

Diversity, Equity, Inclusion and a Sense of Belonging are the pillars of our organization. We celebrate all dimensions of diversity and encourage applications from women, LGBTQ+, people with disabilities, people of African descent and indigenous people.

We will ensure that people with disabilities are provided reasonable accommodations to participate in the job interview process. If you are a qualified candidate with a disability, please email us at diversity@iadb.org to request reasonable accommodations in order to complete this application.

Our Human Resources Team thoroughly reviews each application.

About the IDB Group

The IDB Group, comprised of the Inter-American Development Bank (IDB), IDB Invest and IDB Lab, provides flexible financing solutions to its member countries to fund economic and social development through loans and grants to public and private entities in Latin America and the Caribbean.

About the IDB

The Inter-American Development Bank's mission is to improve lives. Founded in 1959, the IDB is a leading source of long-term financing for economic, social and institutional development in Latin America and the Caribbean. The IDB also conducts cutting-edge research projects and provides policy advice, technical assistance and training to public and private clients throughout the region.

Follow us:

<https://www.linkedin.com/company/inter-american-development-bank/>

<https://www.facebook.com/IADB.org>

https://twitter.com/the_IDB

About IDB Lab

IDB Lab is the IDB Group's innovation lab, the leading source of development finance and knowledge focused on improving lives in Latin America and the Caribbean. IDB Lab's purpose is to drive innovation for inclusion in the region, mobilizing funding, knowledge and connections to test early-stage private sector solutions with the potential to transform the lives of vulnerable populations affected by economic, social and environmental conditions.

Follow us:

<https://www.linkedin.com/company/idblab/>

<https://www.facebook.com/IDBLab>

https://twitter.com/IDB_Lab

About IDB Invest

IDB Invest, a member of the IDB Group, is a multilateral development bank committed to promoting the economic development of its member countries in Latin America and the Caribbean through the private sector. IDB Invest finances sustainable enterprises and projects to achieve financial results and maximize economic, social and environmental development in the region. With a portfolio of \$15.3 billion in assets under management and 375 clients in 25 countries, IDB Invest provides innovative financial solutions and advisory services that respond to the needs of its clients in a variety of sectors.

Follow us:

<https://www.linkedin.com/company/idbinvest/>

<https://www.facebook.com/IDBInvest>

<https://twitter.com/BIDInvest>

4. Knowledge Document: AquaData User's Guide

Proceso de selección # XXX

Términos de referencia

Consultoría para la elaboración de un producto de conocimiento sobre innovación, digitalización y gobernanza y organización de talleres de difusión y diseminación

Localización: Remoto

El Grupo BID es una comunidad de personas diversas, versátiles y apasionadas, unidas para mejorar vidas en América Latina y el Caribe (ALC). Aquellos que trabajan con nosotros encuentran un propósito y hacen lo que más les gusta en un entorno inclusivo, colaborativo, ágil y gratificante.

Acerca de este puesto de trabajo

Estamos buscando un/a consultor/a científico de datos, flexible y comprometido, para desarrollar un producto de conocimiento Manual de Uso de AquaData y organizar los talleres de difusión del conocimiento.

Trabajarás en WSA, que forma parte del departamento INE. Este equipo es responsable de promover los mecanismos que contribuyan a reducir las barreras de acceso de forma universal, de calidad, asequible, eficiente y sostenible al agua y saneamiento y del manejo de residuos sólidos de alta calidad para contribuir con el crecimiento económico sostenible de los países miembros del Banco en ALC y con el mejoramiento de la calidad de vida de sus ciudadanos.

Esto es lo que harás

Las principales responsabilidades que contribuyen a los objetivos del equipo son:

- Revisar y analizar los Standard Operating Procedures desarrolladas con las aplicaciones de AquaData
- Con los insumos y en coordinación con los demás consultores individuales, liderar el desarrollo de un protocolo estándar para futuros proyectos, con el fin de acortar los tiempos, reducir los costos relacionados, simplificar las tareas y delegar requisitos específicos a los agentes de las empresas clientes.
- Acompañar el proceso de publicación y diseminación del Manual
- Organizar, al menos, dos talleres de capacitación y difusión del manual para el uso eficiente de AquaData

Cronograma de Entregas y Pagos

Los pagos se efectuarán en 3 montos, contra entrega a satisfacción de informes para Producto I, II y III.

- Producto I: plan de trabajo con cronograma y propuesta de contenidos del producto de conocimiento
- Producto II: borrador del producto de conocimiento
- Producto III: versión final del producto de conocimiento, y minutas de por lo menos 2 talleres de presentación y diseminación

<u>Entregable #</u>	<u>Porcentaje</u>	<u>Fecha Estimada de Entrega</u>
Producto I	25%	1 mes a partir de la firma del contrato
Producto II	35%	7 meses a partir de la firma del contrato
Producto III	40%	12 meses a partir de la firma del contrato

Esto es lo que necesitas

- **Educación:** Título/Nivel Académico & Años de Experiencia Profesional: universitario, preferiblemente con un Máster o equivalente, con un mínimo de 4 años de experiencia profesional.
- **Idiomas:** Capacidad para leer, escribir y hablar español, inglés y otros idiomas oficiales del Banco, de ser necesario.
- **Experiencia:** Áreas de Especialización: deberá acreditar más de 4 años de experiencia en trabajos relacionados con la prestación de los servicios de Agua y Saneamiento y gestión de residuos, e innovación, preferiblemente en América Latina y el Caribe y/o España. Experiencia en sistematización de información y redacción de informes.
- **Habilidades:** Capacidad de análisis, autonomía para la toma de decisiones y liderar discusiones técnicas. Capacidad de redactar y sistematizar información.
- **Habilidades claves:** Campo técnico. Orientado a resultados, metódico. Creativo. Capacidad de adaptación y trabajo en equipo, con empatía. Aprendizaje continuo. Colaborar y compartir conocimientos. Centrarse en los clientes. Comunicar e influir. Innovar y probar cosas nuevas.

Requisitos

Ciudadanía: Eres es ciudadano/a de uno de nuestros 48 países miembros.

Consanguinidad: No tienes miembros de su familia (hasta el cuarto grado de consanguinidad y segundo grado de afinidad, incluido el cónyuge) que trabajen en el BID, BID Invest o BID Lab.

Consideraciones en cuanto a la COVID-19: La salud y la seguridad de nuestros empleados son nuestra principal prioridad. Como condición de empleo, el BID/BID Invest requiere que todos los nuevos empleados tengan la vacunación completa contra la COVID-19.

Tipo de contrato y duración

Tipo de Contrato: Consultor de Productos y Servicios Externos (PEC), suma alzada.

Duración: 12 meses.

Ubicación: Remoto.

Qué ofrecemos

El Grupo BID ofrece beneficios que responden a las diferentes necesidades y momentos de la vida de un empleado. Estos beneficios incluyen:

Un paquete de remuneración competitiva.

Una manera flexible de trabajar. Se le evaluará por entregable.

Nuestra cultura

En el Grupo BID, trabajamos para todas las personas den lo mejor de sí y traigan a su verdadero yo al trabajo, estén dispuestas a intentar nuevos enfoques sin miedo, rindan cuentas de sus acciones y reciban una retribución por ellas.

La Diversidad, la Equidad, la Inclusión y el Sentido de Pertenencia (DEIB) son los pilares de nuestra organización. Celebramos todas las dimensiones de diversidad y animamos a que se postulen mujeres, LGBTQ+, personas con discapacidades, afrodescendientes e indígenas.

Nos cercioraremos de que a las personas con discapacidades se les brinden adaptaciones razonables para participar en el proceso de las entrevistas laborales. Si usted es un candidato calificado que tiene una discapacidad, envíenos un correo electrónico a diversity@iadb.org a fin de solicitar adaptaciones razonables para poder completar esta solicitud.

Nuestro Equipo de Recursos Humanos revisa exhaustivamente cada solicitud.

Acerca del Grupo BID

El Grupo BID, compuesto por el Banco Interamericano de Desarrollo (BID), BID Invest y BID Lab, ofrece soluciones de financiamiento flexibles a sus países miembros para financiar el desarrollo económico y social a través de préstamos y subsidios a entidades públicas y privadas en América Latina y el Caribe.

Acerca del BID

El Banco Interamericano de Desarrollo tiene como misión mejorar vidas. Fundado en 1959, el BID es una de las principales fuentes de financiamiento a largo plazo para el desarrollo económico, social e institucional de América Latina y el Caribe. El BID también realiza proyectos de investigación de vanguardia y ofrece asesoría sobre políticas, asistencia técnica y capacitación a clientes públicos y privados en toda la región.

Síguenos:

<https://www.linkedin.com/company/inter-american-development-bank/>

<https://www.facebook.com/IADB.org>

https://twitter.com/the_ID