



**AMAZON
PROJECT**
REGIONAL ACTION IN THE
AREA OF WATER RESOURCES



ANA
AGÊNCIA NACIONAL DE ÁGUAS
E SANEAMENTO BÁSICO



ACTO
Amazon Cooperation
Treaty Organization



ABC
AGÊNCIA
BRASILEIRA DE
COOPERAÇÃO
MINISTÉRIO DAS RELAÇÕES EXTERIORES

**AMAZON COOPERATION TREATY ORGANIZATION – ACTO
AND
AGÊNCIA NACIONAL DE ÁGUAS E SANEAMENTO BÁSICO – ANA Brazil**

SELECTION PROCESS

Amazon Project: Regional Action in the Area of Water Resources – Phase II

1. OBJECTIVE

The hiring of a technical analyst for the implementation and operational execution of the Amazon Basin Water Resources Situation Room at the Amazon Regional Observatory – ARO, within the framework of the Amazon Project

2. WORKPLACE

The activities of the technical analyst will be developed at the PS/ACTO headquarters in Brasília (DF).

Address: SEPN 510, Bloco A, 3º andar – Asa Norte, Brasília-DF, Brasil.

3. APPLICATION INSTRUCTIONS

Interested professionals must send a Cover Letter and Curriculum Vitae in accordance with the terms of reference to the e-mail projeto.amazonas@otca.org indicating in the subject [**Proyecto Amazonas – Sala de Situación RH**].

The supporting documents in physical and/or digital format must be sent when, in due course, requested. Failure to deliver or incomplete delivery of documents will result in disqualification of the candidate.

4. DEADLINE

Interested professionals must submit the application by **November 21, 2021, until 11:59 p.m. Brasília local time**.



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TIME REFERENCE: All time references during the selective process shall respect the Brasilia-DF local time and, accordingly, applications will be registered through the indicated e-mail.

The PS/ACTO reserves the right to change/adjust the deadlines to analyze the proposals and announce the final result at any time.

5. CONSULTATIONS

Queries regarding the selection process should be sent to the e-mail projeto.amazonas@otca.org.

6. TERMS OF REFERENCE

The terms of reference are described below.

The deadline for submitting the application is: November 21, 2021, at 11:59 p.m. Brasilia local time, Brazil.



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**SECOND PHASE OF AMAZON PROJECT:
REGIONAL ACTION IN THE AREA OF WATER RESOURCES**

TERMS OF REFERENCE

1. CONSULTANCY SCOPE

Under the Amazon Project, the hiring of a technical analyst for the implementation and operational execution of the Amazon Basin Water Resources Situation Room.

2. BACKGROUND

Within the framework of the Amazon Cooperation Treaty, the Amazon Cooperation Treaty Organization (ACTO), along with its Permanent Secretariat, was installed in Brasília, with international legal status, to institutionally improve and strengthen the process of cooperation, coordination and joint actions among the Member Countries for the sustainable development of the Amazon.

The PS/ACTO has the main role and function of facilitating the exchange, knowledge, cooperation, and joint projection among the Member Countries, observing the mandates of the Amazon Cooperation Treaty, to carry out consented activities, programs and projects, establishing spaces for political and technical dialogue, among other activities.

In this context, and within the scope of the regional action on water resources, ACTO has been executing the "Amazon Project: Regional Action in the Area of Water Resources", which is being financed by the Government of Brazil. The project is an initiative of the National Water and Basic Sanitation Agency (ANA), the Amazon Cooperation Treaty Organization (OTCA), the Brazilian Cooperation Agency (ABC/MRE) and the Department of South America of the Ministry of Foreign Affairs (DAS/MRE).

This Project was signed, in December 2006, to continue the activities developed in the first phase (2012 to 2017), strengthening articulation and technical cooperation among ACTO Member Countries.

The Amazon Project Second Phase will promote the shared and sustainable management of water resources in the Amazon Basin, which is reflected in the implementation of a shared hydrological and water quality monitoring network; the structuring of a database on water resources; in the dissemination of knowledge about the Amazonian reality; and



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in technical training actions with officials from institutions involved with water resources in ACTO Member Countries.

The Amazon Project, as the main result, will prepare the projects of the Hydrological and Water Quality Networks, in addition to the training of 413 technicians from eight countries. The main ongoing activities include the implementation of the Water Resources Situation Room, the creation of the water resources module of the Amazon Regional Observatory, the development of monitoring protocols agreed among the countries, and the preparation of the report on the water quality situation in the Amazon Basin.

The water resources situation room will monitor the hydrological and meteorological condition of the Amazon basin, identify weather events and support decision-making for the early adoption of mitigating measures for droughts and floods effects. The room will be the center for managing critical situations, in the case of extreme events, to facilitate coordination of the responsible institutions in the countries (water agencies, civil defense, etc.).

It will also be part of ACTO's Amazon Regional Observatory, which will receive data on hydrological, climatic and water quality monitoring provided by the countries; and it will be integrated to the existing situation rooms in Ecuador and Brazil (ANA and Amazonian states), and also to future rooms to be implemented in the other countries of the Amazon Basin.

In this sense, the Amazon Project will hire a technical analyst to advance the implementation and operational execution of the Amazon Basin Water Resources Situation Room.

3. OBJECTIVE

The Technical Analyst will be responsible for the implementation and operational execution of the Amazon Basin Water Resources Situation Room at the Regional Amazon Observatory – ARO.

4. DUTIES AND TASKS

The Technical Analyst must fulfill the following tasks and responsibilities in coordination with the PS/ACTO:

- Development of a meteorological, hydrological and water quality database for the Amazon basin.
- Periodically update (daily in the case of prioritized basins, weekly/monthly in other basins) the database of the meteorological and hydrological information systems of the MC for the operational execution of the Amazon Basin Water Resources Situation Room in the Amazon Regional Observatory – ARO.
- Actively support the installation and operation of situation rooms on a national and sub-national scale.
- List information from existing ACTO projects, in progress, related to Early Warning Systems.



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- Prepare planning, methodological, technical, operational, and financial proposals to identify priority areas for monitoring, in zones with low risk of droughts and floods, with a focus on scalability.
- Prepare a technical, operational, and financial methodological proposal for calibration and quality testing of hydrometeorological information.
- Prepare proposals to deepen, in terms of scale and time, the cartographic, meteorological, and hydrological information of the prioritized basins.

Analysis and processing of meteorological and hydrological data

- Monitoring of reservoir levels;
- Interpolation of weather events (examples of methodologies: Kriging, global polygonal interpolation, hypsometric method, or others) and monitoring in strategic locations and/or other locations where no information is available/no measurement has been made or the weather station has not reported any data.

Processing

- Production of hydro-meteorological monitoring and warning bulletins;
- Preparation and presentation of reports on water resources in the prioritized monitoring areas;
- Management of water resources information available in the Situation Room and on the ARO website;
- Support the PS/ACTO in articulations with other institutions related to demands for information on water resources, consultations, participation in events, communication, etc.

5. TRAINING, QUALIFICATIONS AND PROFESSIONAL EXPERIENCE

5.1 Education

- Professional with a degree in the area of exact, biological, or other related sciences.

5.2 Qualifications and professional experience

- Experience of at least 5 years working with meteorological analysis, and hydrological analysis and forecasting.
- Experience in preparing hydro-meteorological bulletins and reports on water resources.
- Experience in database management.



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- Experience with Geographic Information System (Hydro geospatial analysis, geoprocesses, algebra maps, and others related to hydrological analysis).
- Solid knowledge in the development of continuous and hydrological dynamic modeling using different information sources.
- Communication skills to deal with different audiences (government institutions, international and cooperation organizations, NGOs, etc.).
- Ability to communicate orally and in writing in at least two of the four official languages of the ACTO (Portuguese, Spanish, Dutch and English).

6. QUALIFICATION CRITERIA

Qualifications and professional experience	Profile
Experience of at least 5 years in meteorological analysis and hydrological analysis and forecasting.	25
Experience in preparing hydro-meteorological bulletins and reports on water resources	25
Experience in database management	15
Experience with Geographic Information System.	15
Communication skills to deal with different audiences (government institutions, international and cooperation organizations, NGOs, etc.).	10
Ability to communicate orally and in writing in at least two of the four official languages of the ACTO (Portuguese, Spanish, Dutch and English).	10
TOTAL	100

7. PRODUCT DELIVERY

The technical analyst will be required to prepare and submit monthly activity reports, which must be approved by the PS/ACTO in order to pay their remuneration.

8. SUPERVISION

The technical analyst will report to and will be supervised by the Permanent Secretariat of ACTO, as well as by the bodies appointed by the highest authority, and will exercise its functions in accordance with ACTO's strategic agenda, and its strategic planning, as part of the institution's technical team.

The technical analyst will report to the PS/ACTO's Executive Director and, in relation to administrative issues, to the Administrative Director, with the technical supervision of the Technical Support Unit – UTA.



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9. CONTRACTUAL TERMS

- **Type of contract and modality:** CLT (Brazilian Consolidation of Labor Laws), Fixed amount
- **Payment** R\$ 8,000.00 + transportation and food vouchers, health and dental plan, and personal accident life insurance.
- **Starting date:** November 2021
- **Location:** The activities of the technical analyst will be performed at the PS/ACTO headquarters in Brasília (DF).