



ADAPTATION FUND BOARD SECRETARIAT TECHNICAL REVIEW OF PROJECT/PROGRAMME PROPOSAL

PROJECT/PROGRAMME CATEGORY: Pre-Concept for a Regional Project

Countries/Region: Argentina, Bolivia, Brazil, Colombia, Chile, Ecuador, Paraguay, Peru, Surinam, Uruguay, Venezuela
Project Title: An integrated system for evaluating hydrological status and outlooks to support key economic sectors and vulnerable communities in South America, to adapt to climate change and build resilience
Thematic focal area: Disaster risk reduction and early warning systems
Implementing Entity: World Meteorological Organization (WMO)
Executing Entities: National institutions designated by the designated authorities in each participating country and regional institutions: OTCA, CIC, and PROHMSAT Regional Center
AF Project ID: AF00000416
IE Project ID: **Requested Financing from Adaptation Fund (US Dollars):** 13,999,700
Reviewer and contact person: Hugo Remaury **Co-reviewer(s):** Neranda Maurice-George
IE Contact Person(s): Moyenda Chaponda

Technical Summary	<p>The project “An integrated system for evaluating hydrological status and outlooks to support key economic sectors and vulnerable communities in South America, to adapt to climate change and build resilience” aims to improve the adaptative capacities of key socio-economic sectors in South America and vulnerable communities, to climate change through the provision of accessible, user oriented, gender responsive, and fit-for-purpose hydrometeorological information and services. This will be done through the three components below:</p> <p><u>Component 1:</u> Capacity development of the NMHSs to provide information on hydrological status and outlooks for adaptation to climate change and reduction of water-related risks (USD 4,500,000).</p> <p><u>Component 2:</u> Strengthening inter-institutional working relationships and developing capacities at regional and national levels to support hydrometeorological services, including access to hydrological status and outlook products, and warning services (USD 2,200,000)</p> <p><u>Component 3:</u> Communication and dissemination strategies on hydrological status and S2S outlook products for selected economic sectors, and gender-responsive early warning systems aimed at selected vulnerable communities (USD 4,754,300).</p> <p><u>Requested financing overview:</u> Project/Programme Execution Cost: USD 1,272,000 Total Project/Programme Cost: USD 12,726,300 Implementing Fee: USD 1,272,000 Financing Requested: USD 13,998,300</p> <p>The proposal includes a request for a project formulation grant of USD 50,000.</p> <p>The initial technical review raises some issues, such as reverting to the original font sizes used in the proposal template, providing further details on the demonstration cases planned under output 3.2.1, and clarifying matters related to implementation arrangements, as discussed in the number of Clarification Requests (CRs) and Corrective Action Request (CAR) raised in the review.</p>
Date	20 December 2024

Review Criteria	Questions	Comments First Technical Review December 20, 2024	OMM Answers, January 6 th , 2025
Country Eligibility	1. Are all of the participating countries party to the Kyoto Protocol and/or the Paris Agreement?	Yes.	OK
	2. Are all of the participating countries developing countries particularly vulnerable to the adverse effects of climate change?	Yes. Participating countries in both the Amazon and La Plata basins face shared climate change induced challenges and impacts, including droughts, floods, and rising temperatures.	OK
Project Eligibility	1. Have the designated government authorities for the Adaptation Fund from each of the participating countries endorsed the project/programme?	Yes. As per the Endorsement letters dated 11 November 2024 (Argentina), 14 October 2024 (Brazil), 29 July 2024 (Bolivia), 5 July 2024 (Colombia), 26 June 2024 (Chile), 26 July 2024 (Ecuador), 27 June 2024 (Suriname), 7 August 2024, (Paraguay), 26 August 2024 (Peru), 19 July 2024 (Uruguay), and 3 July 2024 (Venezuela).	OK
	2. Has the pre-concept provided necessary information on the problem the proposed project/programme is aiming to solve, including both the regional and the country perspective?	Yes.	OK
	3. Have the project/programme objectives, components and financing been clearly explained?	Yes. CAR1: Throughout the pre-concept proposal, please stick to the font sizes used in the template (i.e., Times Roman 11 in tables – except for certification boxes in Part IV – and Arial 11 for text outside of the tables), ensuring that the pre-concept proposal amount to no more than 5 pages (part I to III). . CR1: Please describe how funding would be allocated among participating countries, and on which basis/criteria.	CAR1: CR1: Addressed in the pre-concept note in the form of a summary of the following information: Criteria 1: decrease the gap in technology for modelling / data sharing. Example: Brazil (and Argentina?) already have web services / WHOS and hydrological forecasting implemented, whereas Bolivia and Paraguay are in the process. For component 1, those countries who are lagging behind will receive more funds. Since Brazil and Argentina are downstream of other countries in the Amazon and La Plata respectively, they will have as much benefits from this criteria as the countries who receive direct investment in technology. Criteria 2: funds for regional interventions, such as the one proposed by OTCA for EWS in Bolivia, Brazil and Peru will have priority over funds for individual countries. It is expected to have at least one regional intervention per (macro)basin (Amazon, La Plata), but the ideal situation would be that all countries are part of regional interventions. Since Chile is not part of any of the basins, it will require individual interventions. Criteria 3: accessibility and impact. Some riverine communities have greater dependence on hydrological (water level) information than others, for example, if the river is the only way for transport. If these communities however are farther away and with more difficult access, or, if the

			<p>population density is not sufficient, a different community would need to be selected.</p> <p>Riverine communities in the Amazon, for instance, rely on water level information for transport.</p>
	<p>4. Has the project/programme been justified in terms of how:</p> <ul style="list-style-type: none"> - it supports concrete adaptation actions? - it builds added value through the regional approach? - it promotes new and innovative solutions to climate change adaptation? - it is cost-effective? - it is consistent with applicable strategies and plans? - it incorporates learning and knowledge management? - it will be developed through a consultative process with particular reference to vulnerable groups, including gender considerations, in compliance with the Environmental and Social Policy of the Adaptation Fund? - it will take into account sustainability? 	<p>Not cleared. Additional information is required.</p> <p>CR2: The proposal should describe the project alignment with NMHS' National Strategic Plans, Country Hydromet Diagnosis (Alliance for Hydromet Development), and any readiness support received in the context of the Systematic Observations Financing Facility.</p> <p>CR3: The proposal should briefly expand on i) the nature and characteristics of output 3.2.1 demonstration cases; ii) the process and associated criteria through which the project would identify such cases and the vulnerable communities; and iii) whether these cases will be identified at concept and fully-developed proposal stages, keeping in mind the Fund's guidance on unidentified sub-projects (USP).</p>	<p>CR2: Edits have been made in the pre-concept note accordingly. Please note that The Systematic Observations Financing Facility (SOFF) focuses on improving meteorological observation capacities for selected countries. Component 1 of this proposal focuses on improving data exchange; this proposal does not contemplate funding for meteorological observation infrastructure.</p> <p>The alignment between this project and SOFF is based on the complementarity that exists between both initiatives. SOFF focuses on increasing the observation infrastructure and this initiative focuses on the exchange of data obtained through the observation infrastructure, and on the added value that is given to the data (through its use in models, for example) to produce information and provide services. WMO is working to define the requisites to include hydrological monitoring networks into SOFF in the long-term. Eventually, HydroSOS could benefit from SOFF once access to hydrological stations is possible through that initiative. In the meantime, HydroSOS helps to highlight the way hydromet data can be used for informed decision making and thus serve as leverage for countries to invest in their monitoring networks to ensure reliable and timely data.</p> <p>The Country Hydromet Diagnosis (CHD) was carried out in three out of the 13 countries of South America: Ecuador, Guyana and Suriname as these countries were initially selected as part of the EW4All initiative. The CHD provides a structured assessment of the NMHSs of these countries as part of the SOFF initiative. While the initiative does look into NMHS's role in and/or contribution to hydrological services according to its mandate and country requirements, currently, the CHD does not evaluate the hydrological services if outside the NMHS, which is the case for some of the participating countries (ie Argentina, Brazil, Uruguay). The results from CHD (for the countries where they are available) will be considered in the planning process for the proposal.</p> <p>National Strategic Plans include improving hydrometeorological warning systems as priority, therefore this proposal is aligned. In addition, those plans together with NMHSs Plans will be used as the primary source of information for the design of pilot projects during the concept note preparation, and will be complimented with CHD reports in EW4All selected countries.</p>

			<p>From the CHD side, while the initiative does look into NMHS's role in and/or contribution to hydrological services according to its mandate and country requirements, currently, the CHD does not evaluate the hydrological services if outside the NMHS, which is the case for some of the participating countries (ie Argentina, Brazil, Uruguay).</p> <p>CR3: addressed as required.</p>
	<p>5. Does the pre-concept briefly explain which organizations would be involved in the proposed regional project/programme at the regional and national/sub-national level, and how coordination would be arranged? Does it explain how national institutions, and when possible, national implementing entities (NIEs) would be involved as partners in the project?</p>	<p>Yes.</p> <p>CAR2: The Implementation Arrangements section should be revised to i) clarify the roles and responsibilities of the regional executing entities and the national ones; ii) provide an organization chart showing how the various entities/institutions involved will report to each other; and iii) demonstrate how the project will ensure a smooth coordination amongst all stakeholders.</p> <p>CR4: The pre-concept note should clarify whether the project will involve any AF National Implementing Entities as part of its implementation arrangements.</p> <p>CR5: Please kindly explain why Executing Entities in Argentina, Peru and Uruguay are not yet identified.</p> <p>CAR3: By the fully-developed proposal clarification of the execution arrangements of the project <u>for each participating country</u>, ie. if by regional executing entities and/or national executing entities.</p>	<p>CAR2: addressed as required.</p> <p>CR4: AF National Implementing Entities are not considered to be part of the current implementation arrangements.</p> <p>CR5: At the time of the submission of the pre-concept note with the letters of endorsement, the countries had not identified them yet.</p> <p>CAR3: Noted. As requested, this will be clarified in the fully-developed proposal.</p>
Resource Availability	<p>6. Is the requested project / programme funding within the funding windows of the programme for regional projects/programmes?</p>	Yes.	OK
	<p>7. Are the administrative costs (Implementing Entity Management Fee and Project/ Programme Execution Costs) at or below 10 per cent of the project/programme for implementing entity (IE) fees and at or below 10 per cent of the project/programme cost for the execution costs?</p>	<p>No.</p> <p>CAR4: The proposal should address discrepancies in the figures presented (e.g., Total Component 1 should equal USD 4,500,000, Total project/programme cost USD 12,726,300, and the amount of financing requested USD 13,998,300). You may refer to the IE cost and EE fee calculator, as needed.</p>	CAR4: addressed as required.
Eligibility of IE	<p>8. Is the project/programme submitted through an eligible Implementing Entity that has been accredited by the Board?</p>	<p>Yes.</p> <p>WMO's accreditation expiration date is 30 March 2027.</p>	OK

PROPOSAL COVER PAGE

1. Type of project: Single-Country ☐ Regional ☒
2. Countries: Argentina, Bolivia, Brazil, Colombia, Chile, Ecuador, Peru, Surinam, Uruguay, Venezuela
3. Project/Programme Category: Regular
4. Project/Programme Stage: Pre-concept
5. Requested financing amount (in U.S. Dollars Equivalent): 13.999.700
6. Project Formulation Grant (PFG) Request: Yes ☒ No ☐
7. Requested financing amount for PFG (in U.S. Dollars Equivalent): 50,000
8. Letter/s of Endorsement (LOE) signed:
LOEs should be signed by the Designated Authority (DA). The signatory DA must be on file with the Adaptation Fund. To find the DA currently on file check this page: <https://www.adaptation-fund.org/apply-funding/designated-authorities>
Yes ☒ No ☐
9. Write the date of endorsement for each LOE for the project.

Argentina	Date: 11/19/2024
Bolivia	Date: 07/29/2024
Brazil	Date: 10/14/2024
Chile	Date: 06/26/2024
Colombia	Date: 07/05/2024
Ecuador	Date: 07/26/2024
Peru	Date: 08/07/2024
Suriname	Date: 06/27/2024
Uruguay	Date: 07/19/2024
Venezuela	Date: 07/03/2024

10. Title of Project/Programme: An integrated system for evaluating hydrological status and outlooks to support key economic sectors and vulnerable communities in South America, to adapt to climate change and build resilience
11. Implementing Entity: World Meteorological Organization (WMO)

12. Executing Entities:

- **Argentina:** Subsecretaría de Ambiente del Gobierno de la República Argentina
- **Bolivia:** Servicio Nacional de Meteorología e Hidrología de Bolivia
- **Brazil:** Agência Nacional de Aguas (ANA)
- **Chile:** Dirección Meteorológica de Chile
- **Colombia:** Instituto Nacional de Hidrología, Meteorología y Estudios Ambientales de Colombia
- **Ecuador:** Instituto Nacional de Meteorología e Hidrología de Ecuador
- **Perú:** To be determined in next stage
- **Suriname:** Ministry of Public Works
- **Uruguay:** To be determined in next stage
- **Venezuela:** Instituto Nacional de Meteorología e Hidrología
- **ACTO:** Amazon Cooperation Treaty Organization
- **CIC:** Intergovernmental Coordination Committee of the La Plata Basin Countries
- **PROHMSAT Regional Center**¹

13. Is this a new submission or a resubmission: New: ☒ Resubmission: ☐

14. If a resubmission, please select the last submission date: n/a

¹ Regional Center hosted by National Water Institute (INA) and National Meteorological Service (SMN) of Argentina under the Hydrometeorological Forecasting and Early Warning System for La Plata Basin Project



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PRE-CONCEPT FOR A REGIONAL PROJECT/PROGRAMME

PART I: PROJECT/PROGRAMME INFORMATION

Title of Project/Programme: An integrated system for evaluating hydrological status and outlooks to support key economic sectors and vulnerable communities in South America, to adapt to climate change and build resilience

Countries¹: Argentina, Bolivia, Brazil, Colombia, Chile, Ecuador, Peru, Surinam, Uruguay, Venezuela

Thematic Focal Area²: Disaster risk reduction and early warning systems

Type of Implementing Entity: Multilateral Implementing Entity

Implementing Entity: World Meteorological Organization (WMO)

Executing Entities: National institutions designated by the AF designated authority in each participating country and regional institutions, OTCA³, CIC⁴, and PROHMSAT Regional Center⁵

Amount of Financing Requested: 13.999.700 (in U.S Dollars Equivalent)

Project Formulation Grant Request: Yes ☒ No ☐

Amount of Requested financing for PFG: 50.000 (in U.S Dollars Equivalent)

Letters of Endorsement (LOE) signed for all countries: Yes ☒ No ☐

NOTE: LOEs should be signed by the Designated Authority (DA). The signatory DA must be on file with the Adaptation Fund. To find the DA currently on file check this page: <https://www.adaptation-fund.org/apply-funding/designated-authorities>

Stage of Submission:

☐ This pre-concept has been submitted before ☒ This is the first submission ever of the pre-concept

In case of a resubmission, please indicate the last submission date: [Click or tap to enter a date.](#)

Please note that pre-concept should not exceed 5 pages (in addition to this first cover page)

¹ There is consensus among participating countries that Guyana and Paraguay will join the project in next stage

² Thematic areas are: Food security; Disaster risk reduction and early warning systems; Transboundary water management; Innovation in adaptation finance.

³ ACTO: Amazon Cooperation Treaty Organization

⁴ CIC: Intergovernmental Coordination Committee of the La Plata Basin Countries

⁵ PROHMSAT Regional Centre: A centre established under the Hydrometeorological Forecasting and Early Warning System Project, currently hosted jointly by the National Water Institute and the National Meteorological Service of Argentina. The regional center provides hydrological forecasting to the five countries of the La Plata Basin.

Project/Programme Background and Context:

South America is one of the regions with the greatest documented need to strengthen hydrometeorological early warning systems. Floods, droughts, heat and cold waves, and tropical cyclones have caused hundreds of lives, serious damage to agricultural production and infrastructure, and population displacements (UNFCCC, 2022).

A significant proportion of the continent is covered by two macro basins: the Amazon Basin (shared by Bolivia, Brazil, Colombia, Ecuador, Guyana, Peru, Surinam, and Venezuela) and the La Plata Basin (shared by Argentina, Bolivia, Brazil, Paraguay, and Uruguay). The extensive wetland and forest systems of both basins constitute important deposits of freshwater and carbon. Although both basins are characterized by their great diversity and productive potential, each has its particularities and stands out globally: the La Plata Basin is one of the regions with the greatest production of food and energy, while the Amazon Basin is one of the greatest shelters of biodiversity and source of oxygen. These basins are particularly vulnerable to climate change. The Amazon Basin currently has around 48.5 million people, 400 indigenous communities, and it is under an accelerated process of land use change, which makes it more vulnerable to droughts and floods. In the La Plata basin's case, its population is over 110 million, its water and mineral resources, forests, and its soils' fertility have created a region of strong population attraction (CIC, 2024). In both macro basins, dispersed rural communities still maintain livelihoods linked to the rivers, using them as a source of food and transportation. The hydrometeorological extreme events that recently occurred in the region demonstrate the urgent need to take measures to reduce disaster risks and adapt to climate change. In this context, experts of the National Meteorological and Hydrological Services (NMHSs) of the WMO Regional Association III (South America), who are members of its Hydrology and Water Resources working group, have developed a plan for the regional implementation of WMO Global Hydrological Status and Outlook System initiative (HydroSOS). This plan, approved by WMO Congress, aims to implement hydrological status and sub-seasonal to seasonal (S2S) outlook products tailored to the specific needs of different economic sectors, in particular vulnerable communities. HydroSOS is the backbone supporting the Early Warnings for All initiative (EW4ALL) for hydrological disasters and thus supports local resilience and preparedness. The plan builds upon existing development and capacities in the region, including the Decision Support System of the Intergovernmental Coordination Committee of the La Plata Basin Countries (CIC) and the Amazon Regional Observatory of the Amazon Cooperation Treaty Organization (OTCA). The plan also considers products and services generated, as well as lessons learned under other projects such as ENANDES, ENANDES Plus, La Plata Program, SISSA, and SERVIR Amazonas, among others.

Project/Programme Objectives:

General Objective: To improve the adaptation capacities of key socio-economic sectors in South America, in particular vulnerable communities, to climate change through the provision of accessible, user oriented, gender responsive, and fit-for-purpose hydrometeorological information and services.

Specific objectives:

- 1. Improve the capacities of NMHSs in South America to generate hydrological status and sub-seasonal to seasonal (S2S) outlooks tailored to the needs of economic-productive sectors and communities, with special attention to the most vulnerable.
- 2. Strengthen working relationships among the NMHSs, Disaster Risk Reduction entities, and regional institutions that contribute to the provision of hydrometeorological monitoring, forecasting, and warning services, through sharing data and products, establishing community of practices, defining action protocols, and providing capacity development.
- 3. Promote a culture of informed decision-making within society, particularly among vulnerable communities, based on hydrometeorological risks.

Project/Programme Components and Financing:

Project/Programme Components	Expected Outcomes	Expected Outputs	Amount (US\$)	Countries
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The hydrometeorological extreme events that recently occurred in the region demonstrate the urgent need to take measures to reduce disaster risks and adapt to climate change.

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1. Capacity development of the NMHSs to provide information on hydrological status and outlooks for adaptation to climate change and reduction of water-related risks.	1.1 The NMHSs of the La Plata Basin countries, the Amazon Basin countries, and Chile have strengthened their capacity and provide information on hydrological status and S2S outlooks, addressing the specific needs for early warning and climate risk reduction of different socio-economic sectors and identified users, particularly the most vulnerable.	1.1.1. Data and products shared through regional interoperable information and dissemination service, available in real time, on hydrological status and S2S outlooks in the La Plata Basin, the Amazon Basin, and Chile.	1.000.000	Argentina, Bolivia, Brazil, Colombia, Ecuador, Paraguay, Perú, Surinam, Uruguay, Venezuela, Chile
		1.1.2. Specialized human resources of the NMHSs trained in the use, evaluation, development and implementation of Hydrological Models and Numerical Procedures for hydrological status and S2S outlooks, and a Community of Practice for continuous training created.	1.750.000	
		1.1.3. Regional models/numerical procedures for hydrological status and S2S outlooks products generation developed and implemented.	750.000	
		1.1.4. Digital repositories and wikis on hydrological status and S2S outlooks created/published, including scripts and notebooks of numerical procedures, to transfer new products among different agencies and to stakeholders.	1.000.000	
		Total Component 1		
2. Strengthening inter-institutional working relationships and developing capacities at regional and	2.1 Existing regional institutions related to hydrometeorology in the region are inter-linked and	2.1.1 Products developed and/or strengthened in relation to the hydrological status and S2S outlooks are shared and incorporated as needed in the	700.000	Argentina, Bolivia, Brazil, Colombia, Ecuador, Paraguay, Perú, Surinam, Uruguay,

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national levels to support hydrometeorological services, including access to hydrological status and outlook products, and warning services	better prepared to support countries in relation to hydrological status and S2S outlooks	information systems of regional institutions.		Venezuela, Chile
		2.1.2 Technical experts from regional institutions trained in S2S hydrological outlooks; WMO Regional Training Centers play a key role in this capacity-building process.	500.000	
	2.2 National risk management institutions work collaboratively with NMHSs to provide hydrological early warning services at S2S scale	2.2.1 National risk management institutions and NMHSs, responsible for the provision of hydrological outlooks, are coordinated for service provision through the establishment of, for example, action protocols, agreements.	500.000	
		2.2.2 Technical staff from national institutions responsible for risk management trained in the interpretation of S2S hydrological outlooks.	500.000	
Total Component 2			2.200.000	
3. Communication and dissemination strategies on hydrological status and S2S outlook products for selected economic sectors, and gender-responsive early warning systems aimed at selected vulnerable communities.	3.1 Selected economic sectors (agriculture, energy, fluvial transportation, environment, water supply, fisheries) have accessible, reliable, easy-to-understand products, adjusted to the decision-making needs, in relation to the hydrological status and the S2S outlooks.	3.1.1 Sector-specific communication and dissemination plans formulated and implemented in a participatory manner.	2.500.300	Argentina, Bolivia, Brazil, Colombia, Ecuador, Paraguay, Perú, Surinam, Uruguay, Venezuela, Chile
		3.1.2 Training provided to economic sectors on the interpretation of hydrological status and S2S outlook products to support science-based actions.	500.000	
	3.2: Selected vulnerable communities have accessible,	3.2.1 For selected vulnerable communities, co-developed, gender-responsive, replicable	1.754.000	

	reliable, easy-to-understand products available, adjusted to their decision-making needs, in relation to the hydrological status and the S2S outlooks.	demonstration cases on the provision of hydrological services tailored to their decision-making needs, including access to hydrological status and outlook products, warning services, and training		
Total Component 3			4.754.300	Total Components 11.454.300
6. Project/Programme Execution cost (EE fee 10%)				1.272.000
7. Total Project/Programme Cost				
8. Project/Programme Cycle Management Fee charged by the Implementing Entity (IE fee 10%)				
	<u>12.726.3000</u>			
	<u>1.272.630</u>			
Amount of Financing Requested			<u>13.998.300</u>	

▼ **Project Duration:** 4 years

PART II: PROJECT/PROGRAMME JUSTIFICATION

▼ The project is aligned with the Adaptation Fund objective to “reduce vulnerability and increase adaptive capacity of communities to respond to the impacts of climate change at local, national and regional level” and with the Environmental and Social Policy of the Adaptation Fund (ESP). It is also aligned and contributes to the priorities identified by the region's countries in their National Determined Contributions (NDC). The proposal is complementary to the Early Warning for All initiative to which all NMHSs subscribe in their strategic plans and is also aligned with the countries' national climate change adaptation plans and DRR plans, in actions related to improving hydrometeorological warning systems. It is also complementary with the Systematic Observations Financing Facility (SOFF) in which the countries of Ecuador, Guyana, and Suriname participate. While SOFF ensures sustainable funding of meteorological observations, HydroSOS will support information exchange and maximizing the value of observation data. In addition, the project will leverage on Country Hydromet Diagnosis (CHD) reports to guide pilot project designs in EW4All-selected countries as applicable (Ecuador and Suriname).

A regional approach in this project is the most appropriate way to achieve the proposed objectives. Hydrological monitoring and forecasting inherently require a river basin approach. Among the countries, disparities exist in terms of access to hydrological information. Data is heterogeneous, with different formats and definitions, and monitoring networks vary in densities. The regional approach is necessary for evaluating HydroSOS applications and tools, as well as for improving downstream monitoring and forecasting—essential components of the region's early warning systems. Additionally, approaching the project regionally enhances cost-effectiveness. Countries can share knowledge, lessons learned, best practices, tools, and technological developments. There is also a clear economy of scale in the development of tools, making them operational, and for capacity building. Furthermore, a regional approach in the implementation of the demonstration cases, Component 3, will give vulnerable communities a unique opportunity to share among them challenges and adaptation measures, to improve their livelihoods.

The first component centers on strengthening the capacities of the NMHSs in terms of knowledge of the hydrological status and its perspectives at the S2S scale. To this end, it addresses regional data integration and preparation of status and outlook products, building upon what is already in place, and ensuring competent human resources to provide sustainable services. Therefore, central to this project is data and products sharing

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among countries and synergies with OTCA's Hydrological Observatory and CIC's Decision Support System (CIC-DSS).

The second component will strengthen technical capacities and will foster synergies and working relationships among institutions at the regional and national levels, so to build on existing capacities and better serve countries' needs. At regional level, the following entities will be involved: two intergovernmental organizations - one for each macro basin - the Intergovernmental Coordination Committees of the countries of La Plata Basin (CIC) and the Amazon Cooperation Treaty Organization (OTCA). In addition, the La Plata Basin Hydrometeorological Forecasting and Early Warning System (PROHMSAT) Regional Center and the two WMO Regional Climate Centers: the WMO Regional Climate Center for South of South America (CRC-SAS), which includes all La Plata basin countries and Chile, and the WMO Regional Climate Center for Western South America (CRC-OSA), WMO Regional Training Centers, currently located in Argentina, Brazil, and Peru, will play a pivotal role in building capacities. At the national level, disaster risk reduction entities (DRRs), as users of hydrological products, will receive training in HydroSOS products interpretation, and together with NMHSs, as providers, will establish and/or improve concrete coordination mechanisms.

The third component focuses on the last mile of the value chain of early warning systems, ensuring two-way communication between service providers and users, as well as effective dissemination. This component is crucial for ensuring that actionable hydrometeorological information reaches socio-economic sectors in a timely and group-specific format. For each country, a demonstration case will be selected based on the following criteria: that the use of the HydroSOS service is feasible; that the forecast improves hydrological warning conditions and allows risk reduction for vulnerable populations whose livelihoods depend on water or are exposed to hydrological hazards. This will allow the evaluation of the tool/service in the area, as a bridge between the technical-scientific production and the "last mile", the users. The cases will be identified during the consultation process and socialization of the project in the Concept Note. Proposals will be received from the NMHS in conjunction with the disaster risk management areas of each country. Gender-responsive knowledge dialogues will play a key role in integrating local knowledge, culture, and scientific insights to achieve the last mile and empower communities to adapt to climate change.

The funding will be distributed so that each NMHS can count on the necessary basic equipment and human resources training to develop products and distribute services (computer equipment, training workshops, webinars, etc.) Funding to develop a demonstration case in each country, will be distributed according to the selection of each case according to the geographic area, population, etc. that will be selected in the next stage at the Concept Note.

The project's sustainability is ensured, first, by satisfied socio-economic activities who will have access to hydrological status and outlooks tailored to their needs and a growing demand for such products driven by climate change. Secondly, the project prioritizes the capacity development of service providers, particularly on-the-job training of IT staff, hydrologists, disasters risk and water managers, and in accordance with WMO competency framework, and supported by WMO Regional Training Centers. Additionally, trained staff will benefit from long-term technical support from WMO's community of experts, as the project implements regionally WMO HydroSOS initiative. Furthermore, the project does not propose the creation of new centers to provide the services but rather the support and consolidation of existing ones, such as the WMO Regional Climate Centres (RCCs). The RCCs are already providing climate services. However, climate services are limited to climate variables and do not yet include hydrological services, particularly at sub-seasonal to seasonal (S2S) scales. This project aims to complement/extend the services currently provided by the RCCs by adding the hydrological component to climate services.

The project promotes innovative solutions for climate change adaptation by integrating existing information through new approaches, technologies and mechanisms, supported by WMO Regional Specialized Hydrological Centres and academic partners. WMO HydroSOS is an innovative tool for climate change adaptation as it provides the first global operational mechanism to integrate assessments and perspectives of hydrological status and forecasts with weekly, monthly, or quarterly time horizons (sub-seasonal and seasonal). This project is the HydroSOS regional implementation. Additionally, the project fosters innovation through the establishment of multidisciplinary and multicultural working groups. These groups will play a pivotal role in articulating regional

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Deleted: The demonstration cases will address vulnerable communities, involving them in the design process from the beginning.

Deleted: The selected communities facing local challenges will have opportunities for interaction among those with similar needs at the regional level and share adaptation measures. Methodologies and lessons learnt will be documented to facilitate replication.

Deleted: While this project focuses on climate change adaptation and has specific socio-economic sectors and vulnerable communities as beneficiaries, an additional beneficiary is the environmental sector since information on the hydrological status and outlooks will significantly contribute to integrated water resources management.

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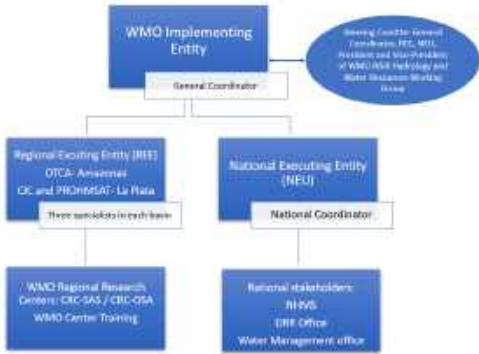
Deleted: Finally, the project is designed and executed by the countries as reflected in the implementation arrangements, therefore aligned with their needs.

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projects and programs, ensuring cross-linkages and comprehensive solutions, particularly in the demonstration cases.

PART III: IMPLEMENTATION ARRANGEMENTS

WMO will serve as the Implementing Entity (IE). Execution will be between regional and national executing agencies, according to the nature of the activities. The project will appoint a General Project Coordinator and within each macro basin, a team of three consultants, covering the following areas of expertise: information technologies, modelling and forecasting services, and communication science. Regional Executing Entities (REE), will be responsible for the development of the outputs of components 1 and 2. These regional entities will be OTCA for the Amazon basin and CIC together with PROHMSAT Regional Center for the La Plata basin. Each country will establish a National Executing Unit (NEU), coordinated by a National Coordinator nominated by the NMHS and hired for the project with clear responsibilities in relation to the three components and national activities. The NEU will be responsible for facilitating the execution of national activities. The output 2.2 and Component 3 will be the responsibility of these units and will ensure the necessary coordination and involvement of stakeholders at the national level. The National Units represent an in-kind contribution from each country, reinforcing each country's project ownership, and therefore contributing to project sustainability.



To oversee project activities, a Steering Committee (SC) will be established and will convene every six months. The SC comprises the National Coordinators representing all National Units, the President and Vice-President of WMO RAIH Hydrology and Water Resources Working Group, the General Project Coordinator, and the focal points of each REE and each NEU. Lastly, strategic institutional partnerships will be national risk management institutions, CRC-SAS, CRC-OSA, and WMO Regional Training Centres. AF NIEs are not considered to be part of the current implementation arrangements.

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Deleted: For the Executing Entities, at the regional level, CIC, PROHMSAT Regional Center, and OTCA—will oversee regional activities in the La Plata and Amazon basins. Additionally, each country will have its own national executing entity.

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Deleted: As part of the responsibilities of the Regional Executing Entities (REE), the project will appoint a General Project Coordinator and within each macro basin, a team of three consultants, covering the following areas of expertise: information technologies, modelling and forecasting services, and communication science. REEs will play a critical role in articulation and optimization of resources to achieve the goals.¶ National Executing Entities (NEE) will be responsible for facilitating the execution of national activities. In some countries the NEE will be the NMHS. In that case, its responsibility will be both administrative and technical. In countries where the NEE will differ from the NMHS, the EE will have administrative responsibilities, and the technical ones will be under the NMHS. Each country will have an expert, hired by the project, with clear responsibilities in relation to the three components.¶ Furthermore, each country will establish a National Unit, coordinated by the National Coordinator nominated by the NMHS. Technical experts designated by each country for each of the three project components will be part of the National Unit. National Units will ensure the necessary coordination and involvement of stakeholders at the national level. The National Units represent an in-kind contribution from each country, reinforcing each country's project ownership, and therefore contributing to project sustainability. ¶

Deleted: the IE Project Manager,

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Deleted: Note: Guyana has participated in the preliminary stages of development of the project and have expressed their intention to participate in it. Due to internal administrative reasons in the country, Guyana has not obtained its endorsement letter for this stage and for this reason it is not listed as participating country, but there is already a consensus among the 11 participating countries to add Guyana in the next stages of project development. ¶

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PART IV: ENDORSEMENT BY GOVERNMENTS AND CERTIFICATION BY THE IMPLEMENTING ENTITY

- A. Record of endorsement on behalf of the government⁶** *Provide the name and position of the government official and indicate date of endorsement for each country participating in the proposed project/programme. Add more lines as necessary. The endorsement letters should be attached as annexes to the project/programme proposal.*

Ana Maria Vidal de Lamas Subsecretaría Subsecretaría de Ambiente Jefatura de Gabinete de Ministros Argentina	Date: 11/19/2024
Carlos David Guachalla Terrazas Viceministro de Planificación y Coordinación Ministerio de Planificación y Desarrollo Bolivia	Date: 07/29/2024
Ana Amélia Campos Toni National Secretary for Climate Change Ministry of Environment and Climate Change Brazil	Date: 10/14/2024
Maritza Jadrijevic Girardi Jefa Departamento de Adaptación División de Cambio Climático Ministerio del Medio Ambiente Chile	Date: 06/26/2024
María Teresa Becerra Ramírez Jefa de Oficina de Cooperación Internacional Ministerio de Ambiente y Desarrollo Sostenible Colombia	Date: 07/05/2024
Angel Sandoval Subsecretario de Cambio Climático Ministerio de Medio Ambiente, Agua y Transición Ecológica Ecuador	Date: 07/26/2024
Berioska Quispe Estrada Head of the General Directorate of Climate Change and Desertification Ministry of Environment Perú	Date: 08/07/2024
Ivette Pengel-Patterzon Deputy Permanent Secretary Climate Change Ministry of Spatial Planning and Environment Republic of Suriname	Date: 06/27/2024
Natalie Pareja Directora Nacional de Cambio Climático Ministerio de Ambiente Uruguay	Date: 07/19/2024
Miguel Alberto Serzano Director General Oficina de Integración y Asuntos Internacionales Ministerio del Poder Popular para el Ecosocialismo	Date: 07/03/2024

Each Party shall designate and communicate to the secretariat the authority that will endorse on behalf of the national government the projects and programmes proposed by the implementing entities.

Venezuela	
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B. Implementing Entity certification *Provide the name and signature of the Implementing Entity Coordinator and the date of signature. Provide also the project/programme contact person's name, telephone number and email address*

I certify that this proposal has been prepared in accordance with guidelines provided by the Adaptation Fund Board, and prevailing National Development and Adaptation Plans and subject to the approval by the Adaptation Fund Board, <u>commit to implementing the project/programme in compliance with the Environmental and Social Policy of the Adaptation Fund</u> and on the understanding that the Implementing Entity will be fully (legally and financially) responsible for the implementation of this project/programme.	
<p><i>Moyenda Chaponda</i> Implementing Entity Coordinator Development Partnerships Office</p>	
Date: November 20, 2024	Tel. and email: +41 22 730 8646 and mchaponda@wmo.int
Project Contact Person: Silvana Alcoz	
Tel. And Email: +41227308381 salcoz@wmo.int	

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ANNEX I – Extension of LA PLATA BASIN and the
AMAZON BASIN IN SOUTH AMERICA ¶

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República Argentina - Poder Ejecutivo Nacional
AÑO DE LA DEFENSA DE LA VIDA, LA LIBERTAD Y LA PROPIEDAD

Nota

Número: NO-2024-126850647-APN-SSAM#JGM

CIUDAD DE BUENOS AIRES
Martes 19 de Noviembre de 2024

Referencia: Apoyo Nota de concepto: "Un sistema integrado para evaluar el estado y las perspectivas hidrológicas para ayudar a los sectores económicos claves y comunidades vulnerables de América del Sur a adaptarse al cambio climático y desarrollar resiliencia"

A: The Adaptation Fund Board (afbsec@adaptation-fund.org),

Con Copia A: Juan Rodrigo Walsh (SSAM#JGM),

De mi mayor consideración:



ADAPTATION FUND

En mi calidad de autoridad designada para el Fondo de Adaptación en Argentina, confirmo que la nota de pre-concepto referenciada está en consonancia con las prioridades del gobierno nacional en la implementación de actividades de adaptación para reducir los impactos adversos y los riesgos que plantea el cambio climático en América del Sur. En consecuencia, me complace apoyar la propuesta de proyecto anterior con el apoyo del Fondo de Adaptación. Si se aprueba, el proyecto será implementado por la Organización Meteorológica Mundial (OMM).




ADAPTATION FUND

To: The Adaptation Fund Board
c/o Adaptation Fund Board Secretariat
Email: Secretariat@Adaptation-Fund.org; afbsec@Adaptation-Fund.org
Fax: 202 522 3240/5

Subject: Support for the pre-concept note: "An integrated system to assess hydrological status and prospects to help key economic sectors and vulnerable communities in South America adapt to climate change and build resilience"

In my capacity as designated authority for the Adaptation Fund in Argentina, I confirm that the above pre-concept note is in accordance with the government's national priorities in implementing adaptation activities to reduce adverse impacts of, and risks, posed by climate change in South America. Accordingly, I am pleased to endorse the above project proposal with support from the Adaptation Fund. If approved, the project will be implemented by World Meteorological Organization.

Sin otro particular saluda atte.


Digitally signed by GESTION DOCUMENTAL ELECTRONICA - GDE
Date: 2024.11.19 17:32:14 -03:00

Ana Maria Vidal de Lamas
Subsecretaria
Subsecretaria De Ambiente
Jefatura de Gabinete de Ministros

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ELECTRONICA - GDE
Date: 2024.11.19 17:32:14 -03:00



ADAPTATION FUND

Carta de Apoyo del Gobierno

ESTADO PLURINACIONAL DE BOLIVIA

Julio 29, 2024

A: La Junta del Fondo de Adaptación
c/o Secretaría de la Junta del Fondo de Adaptación
Correo electrónico: afbsec@adaptation-fund.org
Fax: 202 522 3240/5

Asunto: Apoyo para el proyecto denominado: *Un sistema integrado para evaluar el estado y las perspectivas hidrológicas para ayudar a los sectores económicos claves y comunidades vulnerables de América del Sur a adaptarse al cambio climático y desarrollar resiliencia.*

En mi calidad de autoridad designada para el Fondo de Adaptación en el Estado Plurinacional de Bolivia, confirmo que la propuesta de proyecto regional previamente mencionada es concordante con las prioridades regionales del gobierno en la implementación de actividades de adaptación para reducir los impactos adversos y los riesgos que plantea el cambio climático en América del Sur.

En consecuencia, me complace apoyar la propuesta de proyecto previamente mencionada con el apoyo del Fondo de Adaptación. Si se aprueba, el proyecto será implementado por la Organización Meteorológica Mundial y ejecutado por Servicio Nacional de Meteorología e Hidrología (SENAMHI).

Atentamente,



Carlos David Guachalla Terrazas
Viceministro de Planificación y Coordinación
Autoridad Designada del Estado Plurinacional de Bolivia



ESTADO PLURINACIONAL DE
BOLIVIA

MINISTERIO DE
PLANIFICACIÓN DEL DESARROLLO



ADAPTATION FUND

Letter of Endorsement by Government

PLURINATIONAL STATE OF BOLIVIA

July 29th, 2024

To: The Adaptation Fund Board
c/o Adaptation Fund Board Secretariat
Email: afbsec@adaptation-fund.org
Fax: 202 522 3240/5

Subject: Endorsement for **"An integrated system to assess hydrological status and outlook to help key economic sectors and vulnerable communities in South America adapt to climate change and build resilience"**

In my capacity as designated authority for the Adaptation Fund in Plurinational State of Bolivia, I confirm that the above national project proposal is in accordance with the government's regional priorities in implementing adaptation activities to reduce adverse impacts of, and risks, posed by climate change in South America.

Accordingly, I am pleased to endorse the above project proposal with support from the Adaptation Fund. If approved, the project will be implemented by International Fund for Agricultural Development and executed by National Service of Meteorology and Hydrology (SENAMHI).

Sincerely,

Carlos David Guachalla Terrazas
Viceminister of Planning and Coordination
Designated Authority for Plurinational State of Bolivia





ADAPTATION FUND

Letter of Endorsement by Government



MINISTRY OF ENVIRONMENT AND CLIMATE CHANGE
NATIONAL SECRETARIAT FOR CLIMATE CHANGE

Brasília, October 14th, 2024

To: The Adaptation Fund Board
c/o Adaptation Fund Board Secretariat
Email: Secretariat@Adaptation-Fund.org
Fax: 202 522 3240/5

Subject: Endorsement for the project **“An integrated system to assess hydrological status to improve capacities of key economic sectors and vulnerable communities in South America adapt to climate change and build resilience (HydroSOS)”**.



In my capacity as designated authority for the Adaptation Fund in Brazil, I confirm that the above regional programme proposal is in accordance with the government's regional priorities in implementing adaptation activities to reduce adverse impacts of, and risks, posed by climate change in South America.

Accordingly, I am pleased to endorse the above programme proposal with support from the Adaptation Fund. If approved, the project will be implemented by World Meteorological Organization (WMO) and executed by the Brazilian National Water Agency (Agência Nacional de Águas – ANA).

Sincerely,

A handwritten signature in blue ink, consisting of several overlapping loops and strokes, representing the signature of Mrs. Ana Amélia Campos Toni.

Mrs. Ana Amélia Campos Toni
National Secretary for Climate Change
Ministry of Environment and Climate Change
Esplanada dos Ministerios, Bloco B, 5th floor,
CEP 70068-900, Brazil
Tel: + (55) (61) 2028-1003 / 1888
Email: gab.smc@mma.gov.br

		
	Al responder por favor cite este número 14002024E2024201	
	Fecha Radicado: 2024-07-05 10:54:10	
	Código de Verificación: b9d51	Folios: 1
	Radicator: Ventanilla Minambiente	Anexos: 0
Ministerio de Ambiente y Desarrollo Sostenible		

Adaptation Fund Board

CC.Adaptation Fund Board Secretariat
Email: Secretariat@Adaptation-Fund.org
Bonn, Germany

Subject: Endorsement Letter - Project Integrated System to assess the hydrological status and prospects for assist economic sectors and vulnerable communities in South America.

In my capacity as designated authority for the Adaptation Fund in Colombia, I confirm that the above regional project proposal is in accordance with the government's national and regional priorities in implementing adaptation activities to reduce adverse impacts of, and risks, posed by climate change in Colombia.

Accordingly, I am pleased to endorse the above project proposal with support from the Adaptation Fund. If approved, the project will be implemented by World Meteorological Organization with National Institute of Hydrology, Meteorology and Environmental Studies (IDEAM), as a country technical partner.

Sincerely,



MARÍA TERESA BECERRA RAMÍREZ
Chief of International Cooperation Office

Proyectó: Paola Bernal-Contratista-OAI
Revisó: Daniela Almario-Contratista-OAI

Los arriba firmantes declaramos que hemos revisado el presente documento y lo encontramos ajustado a las normas y disposiciones legales y/o técnicas vigentes y, por lo tanto, bajo nuestra responsabilidad lo presentamos para la firma del Remitente



SC-2000142



SA-2000143



Carta de apoyo del gobierno de Chile

26 de junio de 2024

A: La Junta del Fondo de Adaptación
c/o Secretaría de la Junta del Fondo de Adaptación
Correo electrónico: afbsec@adaptation-fund.org
Fax: 202 522 3240/5

Asunto: Apoyo para el proyecto denominado: *Un sistema integrado para evaluar el estado y las perspectivas hidrológicas para ayudar a los sectores económicos claves y comunidades vulnerables de América del Sur a adaptarse al cambio climático y desarrollar resiliencia*

En mi calidad de autoridad designada para el Fondo de Adaptación en Chile, confirmo que la propuesta de proyecto regional anterior está en consonancia con las prioridades del gobierno de Chile en la implementación de actividades de adaptación para reducir los impactos adversos y los riesgos que plantea el cambio climático en los países de América del Sur.

En consecuencia, me complace apoyar la propuesta de proyecto anterior con el apoyo del Fondo de Adaptación. Si se aprueba, el proyecto será implementado por la Organización Meteorológica Mundial y ejecutado en nuestro país por la Dirección Meteorológica de Chile

Atentamente,

Maritza Jadrijevic Girardi
Jefa Departamento de Adaptación
División de Cambio climático
Ministerio del Medio Ambiente



ADAPTATION FUND

Letter of Endorsement by Government

July 26, 2024

To: The Adaptation Fund Board
c/o Adaptation Fund Board Secretariat
Email: Secretariat@Adaptation-Fund.org
Fax: 202 522 3240/5

Subject: Endorsement for: *An integrated system to assess the state and hydrological prospects to help key economic sectors and vulnerable communities in South America adapt to climate change and develop resilience.*

In my capacity as designated authority for the Adaptation Fund in Ecuador, I confirm that the above regional project proposal is in accordance with the priorities of the national government and regional priorities, in the implementation of adaptation activities to reduce the adverse impacts and risks that he poses climate change in Ecuador and the Andean region.

Accordingly, I am pleased to endorse the above project proposal with support from the Adaptation Fund. If approved, the project will be implemented by World Meteorological Organization and executed by National Institute of Meteorology and Hydrology (INAMHI).

Sincerely,



Angel Sandoval
CLIMATE CHANGE UNDERSECRETARY
Ministry of the Environment, Water and Ecological Transition of Ecuador



PERÚ

Ministerio
del Ambiente

Viceministerio de
Desarrollo Estratégico de
los Recursos Naturales

Dirección General
de Cambio Climático
y Desertificación

"Decenio de la Igualdad de Oportunidades para Mujeres y Hombres"

"Año del Bicentenario, de la consolidación de nuestra Independencia, y de la conmemoración de las heroicas batallas de Junín y Ayacucho"

Lima, August 7th, 2024

LETTER Nr. 00104-2024-MINAM/VMDERN/DGCCD

Messrs.

The Adaptation Fund Board

c/o Adaptation Fund Board Secretariat

Washington

United States

Email: Secretariat@adaptation-fund.org

Fax: 202 522 3240/5

Subject : Pre-concept note "An integrated system for evaluating hydrological status and outlooks to support key economic sectors and vulnerable communities in South America to adapt to climate change and build resilience".

The Ministry of the Environment of Peru is the governing body of the National Climate Change Strategy of Peru and the Designated Authority for the Adaptation Fund through the General Directorate of Climate Change and Desertification.

On this framework, we received the pre-concept note "An integrated system for evaluating hydrological status and outlooks to support key economic sectors and vulnerable communities in South America to adapt to climate change and build resilience". First, we would like to underline that the project will contribute improving the adaptation capacities of key socio-economic sectors, in particular vulnerable communities, to climate change through the provision of accessible, user oriented, gender responsive, and fit-for-purpose hydrometeorological information and services in Argentina, Bolivia, Brazil, Colombia, Chile, Ecuador, Guyana, Paraguay, Peru, Surinam, Uruguay y Venezuela.

Finally, I am pleased to endorse the pre-concept note mentioned above with support from the Adaptation Fund. If approved, we will ensure that the project is aligned with our climate change adaptation targets and that is duly coordinated with the World Meteorological Organization (WMO).

Sincerely yours,


Berioska Quispe Estrada

Head of the General Directorate of Climate Change and Desertification

Ministry of the Environment

Designated Authority



MINISTRY OF SPATIAL PLANNING AND ENVIRONMENT
DIRECTORATE FOR THE ENVIRONMENT
Prins Hendrikstraat 22, Paramaribo, Suriname
Tel: +597 522021
Email: secdir.milieu@rom.gov.sr



Paramaribo, 27 June 2024

To: The Adaptation Fund Board
c/o Adaptation Fund Board Secretariat
Email: afbsec@adaptation-fund.org
Fax: 202 522 3240/5

Subject: Endorsement for an integrated system for evaluating hydrological status and outlooks to support key economic sectors and vulnerable communities in South America adapt to climate change and build resilience.

In my capacity as the designated authority for the Adaptation Fund in Suriname, I confirm that the abovementioned regional project proposal is in accordance with the government's national priorities in implementing adaptation activities to reduce adverse impacts of, and risks, posed by climate change in the country.

Accordingly, I am pleased to endorse the above project proposal with support from the Adaptation Fund. If approved, the project will be implemented by the World Meteorological Organization (WMO) and executed by the Ministry of Public Works as the local executing entity.

Sincerely,

A handwritten signature in blue ink, appearing to read "Ivette Pengel-Patterzon".

Mrs. Ivette Pengel-Patterzon
Deputy Permanent Secretary Climate Change
Ministry of Spatial Planning and Environment
Republic of Suriname



Ministerio
de Ambiente

Dirección Nacional
de Cambio Climático

Montevideo ,19 de Julio 2024

Carta de apoyo del gobierno
Gobierno de Uruguay, Ministerio de Ambiente

Para: Junta del Fondo de Adaptación
Cc: Secretaría de la Junta del Fondo de Adaptación
Correo electrónico: afbsec@adaptation-fund.org
Fax: 202 522 3240/5

Asunto: Apoyo para la nota de pre-concepto del Proyecto Regional "Un sistema integrado para evaluar el estado y las perspectivas hidrológicas para ayudar a los sectores económicos claves y comunidades vulnerables de América del Sur a adaptarse al cambio climático y desarrollar resiliencia".

En mi calidad de autoridad nacional designada para el Fondo de Adaptación en Uruguay, confirmo que la nota de pre-concepto propuesta del proyecto regional anterior está en consonancia con las prioridades nacionales del gobierno en la implementación de actividades de adaptación para reducir los impactos adversos y los riesgos debido al cambio climático en América del Sur.

En consecuencia, me complace apoyar la referida nota de pre-concepto con el apoyo del Fondo de Adaptación. Si se aprueba, el proyecto será implementado por la Organización Meteorológica Mundial (OMM)

Atentamente,

Natalie Pareja
Directora Nacional de Cambio Climático
Ministerio de Ambiente
Autoridad Nacional Designada para el Fondo de Adaptación
Uruguay

Ministerio de Ambiente
Dirección Nacional de Cambio Climático
Juncal 1385, piso 4
Montevideo – Uruguay
Teléfono: (+598 2) 9173380 int. 7390

03 de julio de 2024.

A: La Junta del Fondo de Adaptación
c/o Secretaría de la Junta del Fondo de Adaptación
Correo electrónico: afbsec@adaptation-fund.org
Fax: 202 522 3240/5

Asunto: Apoyo para el proyecto denominado: Un sistema integrado para evaluar el estado y las perspectivas hidrológicas para ayudar a los sectores económicos claves y comunidades vulnerables de América del Sur a adaptarse al cambio climático y desarrollar resiliencia.

En mi calidad de autoridad designada para el Fondo de Adaptación en la República Bolivariana de Venezuela, confirmo que la propuesta de proyecto regional anterior está en consonancia con las prioridades del gobierno nacional en la implementación de actividades de adaptación para reducir los impactos adversos y los riesgos que plantea el cambio climático en América del Sur.

En consecuencia, me complace apoyar la propuesta de proyecto anterior con el apoyo del Fondo de Adaptación. Si se aprueba, el proyecto será implementado por la Organización Meteorológica Mundial y ejecutado por el Instituto Nacional de Meteorología e Hidrología (INAMEH).

Atentamente,


Miguel Alberto Serrano Orta
Director General

Oficina de Integración y Asuntos Internacionales
Designado mediante Resolución N° 1333 del 27/08/2019
Publicada en Gaceta Oficial N° 41.704 del 28/08/2019





Revised PFG Submission Form¹ (additions in red)

Project Formulation Grant (PFG)

Submission Date: 29 November 2024

Adaptation Fund Project ID:

Country/ies: Argentina, Bolivia, Brazil, Colombia, Chile, Ecuador, Peru, Surinam, Uruguay, Venezuela

Title of Project/Programme: *An integrated system for evaluating hydrological status and outlooks² to support key economic sectors and vulnerable communities in South America, to adapt to climate change and build resilience.*

Type of IE (NIE/RIE/MIE): MIE

Implementing Entity: World Meteorological Organization

Executing Entity/ies:

- **Argentina:** To be determined in next stage
- **Bolivia:** Servicio Nacional de Meteorología e Hidrología de Bolivia
- **Brazil:** Agência Nacional de Aguas (ANA)
- **Chile:** Dirección Meteorológica de Chile
- **Colombia:** Instituto Nacional de Hidrología, Meteorología y Estudios Ambientales de Colombia
- **Ecuador:** Instituto Nacional de Meteorología e Hidrología de Ecuador
- **Perú:** To be determined in next stage
- **Suriname:** Ministry of Public Works
- **Uruguay:** To be determined in next stage
- **Venezuela:** Instituto Nacional de Meteorología e Hidrología
- **ACTO:** Amazon Cooperation Treaty Organization
- **CIC:** Intergovernmental Coordination Committee of the La Plata Basin Countries
- **PROHMSAT Regional Center³**

A. Project Preparation Timeframe

Start date of PFG	06/01/25
Completion date of PFG	07/31/25

B. Proposed Project Preparation Activities (\$)

List of Proposed Project Preparation Activities	Output of the PFG Activities	US\$ Amount	Budget note⁴
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¹ As presented in AFB/PPRC.33/40 Annex 1.

² HydroSOS, <https://wmo.int/es/node/21458>

³ Regional Center hosted by National Water Institute (INA) and National Meteorological Service (SMN) of Argentina under the Hydrometeorological Forecasting and Early Warning System for La Plata Basin Project

⁴ The proposal should include a detailed budget with budget notes indicating the break-down of costs at the activity level. It should also include a budget on the Implementing Entity management fee use.

Preparatory virtual meetings in preparation for the face-to-face workshop. of the WMO Working Group – Hydrology and Water Resources (WG-HWR) and key stakeholders.	-Participants to the face-to-face workshop identified. -Specific activities to be included in the project to achieve the outputs and potential demonstration cases per country identified	0 (none)	These activities will be carried out as part of WMO regular activities but with emphasis on project preparation during Dec 2024 and the first months of 2025.
Face-to-face workshop, with the participants identified during the preparation stage	-Activities, milestones, and indicators per output -Roles and responsibilities of each stakeholder in the project -Project resources allocation	40,000	Travel and DSA for approximately 20 participants, meeting expenditures.
Consultant to support concept note development	Concept note with the face-to-face output incorporated and including environmental and social risk management plan, M&E.	10,000	Self-service agreement (SSA) for a consultant/s.
Total Project Formulation Grant		50,000 (*)	

(*) It includes the 7% WMO Project Support Cost

Please describe below each of the PFG activities and provide justifications for their need and for funding required:

1. To maximize the benefit of the face-to-face workshop, we will conduct a series of virtual preparatory meetings with key stakeholders from December 2024 and during the first months of 2025. These meetings will help identify key participants for the face-to-face meeting and request specific information on human and technological resources, level of engagement with other institutional actors, potential beneficiary sectors, synergies, and complementarity of this project proposal with ongoing projects and consistency with national and subnational development strategies. The resulting information will also be input to the face-to-face workshop.
2. Face-to-face workshop of the WG-HWR and key stakeholders

A project to implement HydroSOS in Regional Association III has been developed by the WMO WG-HWR. The project preparation initiated during a face-to-face meeting in Bogota, Colombia in

December 2022 and continued in a second face-to-face meeting in Asunción, Paraguay in December 2023. Participants from 10 out of the 12 countries participated and contributed to the project development. It was then that the Adaptation Fund was identified as a potential source of funding. The first two meetings, focused on technical aspects that are part of component 1 of the project. During this proposed workshop to be funded by the AF Grant, more information and details will be gathered, to develop components 2 and 3 of the project.

Country specific information will be gathered to advance with the design of demonstration cases, training needs, tools, etc. Due to the limited resources available for 11 countries, a consensus will be sought among countries in the prioritization of activities at local, national, and regional levels.

3. Consultant/s will be hired to assist in the preparation of the concept note, incorporating the output of the face-to-face workshop, and focusing on environmental, social and gender policies of the Adaptation Fund, as well as the alignment of project components to the countries' NDCs.

For LLA Projects only:

If requesting additional funding for LLA projects to enable devolving decision making to the local level, please specify the activities that would directly serve to enable devolving decision making to the lowest appropriate level and enable local actors to make informed decisions on how adaptation actions are defined, prioritized, designed, and implemented:

Please provide justifications for their need and for the amount of additional funding required:

C. Implementing Entity

This request has been prepared in accordance with the Adaptation Fund Board's procedures and meets the Adaptation Fund's criteria for project identification and formulation.

Implementing Entity Coordinator, IE Name	Signature	Date (Month, day, year)	Project Contact Person	Telephone	Email Address
Moyenda Chaponda Implementing Entity Coordinator Development Partnerships Office, WMO	<i>Moyenda Chaponda</i>	29/11/2024	Silvana Alcoz	+41227308381	salcoz@wmo.int