








Integrated river basin management in Bolivia – PROCUENCA

Improving water security and addressing climate change in Bolivia

Program focus	Rural development and environment.
Commissioned by	German Federal Ministry for Economic Cooperation and Development (BMZ) and European Union (EU).
Bolivian partner	Ministry of Environment and Water (MMAyA), Vice Ministry of Water Resources and Irrigation (VRHR).
Geographical area	Watershed Azero (Chuquisaca), watershed Guadalquivir (Tarija) and watersheds Paraguá and San Martín (Santa Cruz).
Target group	<ul style="list-style-type: none"> Azero River Basin: ~ 20.000 families and ~ 100.000 beneficiaries. Guadalquivir River Basin ~ 55.000 families and ~ 220.000 beneficiaries. Paraguá and San Martín (including Zapocó) basins ~ 140.000 families and ~ 70.000 beneficiaries.
Sustainable Development Goals	<p>Directly:</p>  <p>Indirectly:</p>      
Patriotic Agenda 2025	Pillar 9: Environmental sovereignty and integral development.
Economic and social development plan 2016 – 2020 (PDES)	<p>Aim 7: Water and prevention of climate related risks: Integral management.</p> <p>Aim 8: Clean air, rivers without pollution and treatment of solid and liquid waste.</p>
Program costs	BMZ: EUR 8.9 Mill. EU: EUR 4.9 Mill.
Term	2018 – 2023

PROCUENCA offers solutions to improve water security in four selected watersheds by implementing integrated natural resources management approaches addressing climate change.

Likewise, the program strengthens institutional capacities in the management of water resources at different government levels.

This contributes to the implementation of the Nationally Determined Contributions (NDCs) the Sustainable Development Goals (SDGs) and ensures long-term resilient development, as well as the adequate management of natural resources. Furthermore, it guarantees food security and contributes to conserving and restoring ecosystems and landscapes.

Objective

PROCUENCA supports local stakeholders in the selected watersheds for the implementation of actions with an integrated natural resources-management approach taking climate change into account. The project's framework is based on the National Watershed Plan (PNC) and local policies, with innovative approaches and multisectoral participation.

PROCUENCA aims to strengthen the capacities of key local stakeholders at watershed level, promoting intersectoral and inter-institutional coordination for the development of plans, projects and management tools that increase water security and the resilience of the vulnerable population to climate change in the prioritized watersheds of Chuquisaca (Azero), Tarija (Guadalquivir) and Santa Cruz (Paraguá and San Martín, including Zapocó sub basin).

Measures

In accordance with national strategies, PROCUENCA engages in the following components:



Strengthen hydro-environmental governance supports the VRHR of the MMAyA in the implementation of the PNC (National Watershed Plan) and departmental policies. It facilitates the articulation, coordination and dialogue between the stakeholders of the prioritized watersheds through inter-institutional platforms.





Develops capacities: strengthens the capacities for hydro-environmental management of the VRHR, regional and municipal governments, community organizations and other relevant local institutions and stakeholders.



Supports information and knowledge management for informed planning around hydro-environmental management, development of digital water resource management tools and robust systems for decision-making.



It promotes the incorporation of gender and interculturality into hydro-environmental management, strengthens the participation of women, men and children of different cultures and enables equitable and relevant projects according to differentiated needs.



Promotes the implementation of the water NDCs and SDG 6.5.1, it supports the development of a Monitoring System for the Water related NDCs and seeks integrated management of water resources at all levels. It enables the implementation of NDCs related to water and its mainstreaming in sectorial and sub-national plans. It analyzes sources of green financing with the participation of the private sector.

Results and expected impacts

Hydro-environmental governance

- Interinstitutional platforms formed in the Azero and Guadalquivir watersheds with key stakeholders who have developed participatory processes for planning, implementation and evaluation in order to increase water security (12/2020). In the Azero watershed with the participation of 23 institutions and 62 members and in the Guadalquivir watershed with 14 Institutions and 29 members.
- Watershed Master Plans (PDC) for Azero and Guadalquivir developed in a participatory process using solid decision-making methods to increase water security (such as XLRM, WEAP modeling, HEC-RAS) (09/2020).
- Watershed management units developed in the Azero and Guadalquivir watersheds to strengthen the multi-stakeholders Platforms and ensure sustainability.

Capacity development:

- Generation of information, tools and capacities to improve resilience to climate change and ensure water security for more than 320,000 beneficiaries in the watersheds of the Azero and Guadalquivir.

- Management capacities developed for key actors at the subnational level in 14 municipalities for the implementation of actions with integrated approaches and ecosystem-based adaptations to overcome the consequences of climate change.

Information and knowledge management

- Hydro-environmental information system developed for watersheds (12.2020).
- Elaboration of studies on water balance, water quality, climate adaptation and biodiversity (among others) at the level of the selected watersheds.
- Information and early warning systems developed for drought and floods that provide reliable information to prevent natural disasters in the watersheds.

Promotion of the incorporation of gender and interculturality:

- Guide for the inclusion of the gender and intercultural approach in the PDC and toolbox for mainstreaming gender and interculturality in the management of water resources, both developed and validated for its implementation at national level (10/2020).

Promoting the implementation of the NDCs related to water and SDG 6.5.1

- Document with recommendations for the update of the NDCs in Bolivia 2020 elaborated (03/2020).

PROCUECA supports the implementation of the National Watershed Plan (PNC) and its "Multi-annual Program for Integrated Water Resources and Integrated Watershed Management 2017-2020". The execution of the PNC is led by the MMAyA through the VRHR.

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MINISTERIO DE MEDIO AMBIENTE Y AGUA

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