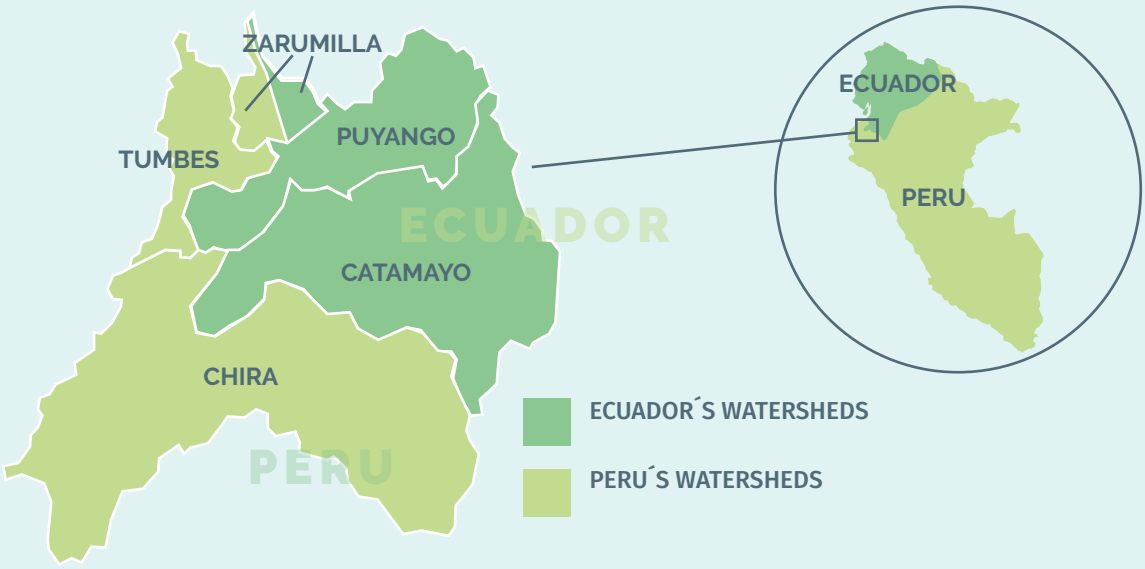
INTEGRATED WATER RESOURCES MANAGEMENT PROJECT FOR THE Puyango-Tumbes, Catamayo-Chira and Zarumilla Watersheds and Aquifers

The IWRM (Integrated Water Resources Management) project works **to strengthen institutional, political, legal and scientific-technical capacities in order to improve the binational actions undertaken by Ecuador and Peru** in the Puyango-Tumbes, Catamayo- Chira and Zarumilla transboundary watersheds and aquifers.

The aquifers and watersheds in the project area are an important yet highly variable **water supply essential for the region´s socio-economic development and the integrity of its ecosystems.** Currently these water resources are threatened by inappropriate land-use, overexploitation, pollution, inefficient management, and climate change.

IWMR PROJECT WATERSHEDS



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GIRH Cuencas Transfronterizas
PUYANGO - TUMBES / CATAMAYO - CHIRA Y ZARUMILLA

ANA
Autoridad Nacional del Agua

SECRETARÍA DEL AGUA

gef

PNUD

THE MAIN COMPONENTS OF THE PROJECT ARE:

A Transboundary Watershed Diagnostic Analysis (TDA) accompanied by a hydrogeological study of the area.

Strategic Action Plans (SAPs) for the three watersheds.

Strengthening binational institutions in IWRM to facilitate cooperation and joint action.

Strengthening local and national stakeholder capacities in the management of transboundary water resources.

Demonstrational pilot projects to **reduce pollution and to improve access to safe water.**

FUNDING

- Global Environment Facility (GEF)
- Ecuadorean National Water Secretariat (SENAGUA - ECUADOR)
- Peruvian National Water Authority (ANA - PERÚ)

IMPLEMENTATION

- United Nations Development Program (UNDP)
- Peruvian National Water Authority (ANA – PERU) / Water Resources Planning and Development Directorate
- Ecuadorean National Water Secretariat (SENAGUA – ECUADOR) / Social Subsecretary for Territorial Coordination of Water Resources

PERIOD

February 2016 – June 2020

AREA

Puyango-Tumbes, Catamayo-Chira and Zarumilla Watersheds

OUTCOMES

OUTCOME 1

A Transboundary Watershed Diagnostic Analysis (TDA) developed for the integrated management of transboundary water resources in the Puyango-Tumbes, Catamayo-Chira and Zarumilla binational aquifers and watersheds.

PRODUCT 1.1:

Hydrogeological and hydrological studies provide up-to-date information on the quality and quantity of water in Puyango-Tumbes, Catamayo-Chira and Zarumilla aquifers.

PRODUCT 1.2

The TDA serves as a scientific-technical document regarding the current state of the water resources in the three watersheds and aquifers and the principal problems related to these resources.

OUTCOME 2

Strategic planning and capacity building carried out to strengthen the governance of transboundary water resources in the Catamayo-Chira, Puyango-Tumbes and Zarumilla binational watersheds and aquifers.

PRODUCT 2.1:

Strategic Action Programmes (SAPs) provide a framework for ITWRM actions in all three watersheds.

PRODUCT 2.2

Environmental and socio-economic indicators allow the monitoring and evaluation of surface and groundwater in the three watersheds.

PRODUCT 2.3

Binational institutions for IWRM facilitate cooperation and joint action in the three transboundary watersheds.

PRODUCT 2.4

Capacity-building programmes for national and local stakeholders strengthen the implementation of IWRM and decision-making.

OUTCOME 3

Pre-SAP demonstrations of IWRM implemented and identification of the investment needs for the Puyango-Tumbes, Catamayo-Chira and Zarumilla aquifers and watersheds

PRODUCT 3.1

Pilot projects established in Ecuador to promote IWRM controlling pollution from multiple sectors and increasing access to water in watersheds.

PRODUCT 3.2

Pilot projects established in Peru to promote IWRM reducing pollution from multiple sectors and increasing access to water in watersheds.

PRODUCT 3.3

Management and dissemination of knowledge facilitate the adoption of good practices.

PRODUCT 3.4

Pre-feasibility studies identify the investments required for IWRM during the implementation phase of the SAPs in the three shared watersheds.

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