

Supporting Water Security through Climate Adaptation

Name of the initiative: Improving Water Resource Planning and Climate Action in Trans-Boundary Regions throughout the Americas

Duration: 2024-2026

Participating countries: OAS member states

Objective: The application of simulation tools for water resource management enables the characterization of climate vulnerability and development of adaptation plans for transboundary basins, as well as the formulation and implementation of climate-resilient and gender-sensitive adaptation and mitigation measures. This initiative will utilize such simulation tools to enhance the monitoring and management of these freshwater resources. Improved management will contribute to a reduction in water-related natural disasters, improved quantity and quality of freshwater for drinking and agriculture, and increased sustainability of the affected biodiversity in the area. These benefits will further contribute to improved livelihoods of member states by mitigating the negative impacts of climate change while increasing agricultural production and income.

Activities: Formulation and implementation of pilot adaptation and mitigation projects in transboundary basins. Development of climate-based scientific methodology. Climate vulnerability assessments. Management Plans for Water and Adaptation Plans.

Cost and financing: US\$2,000,000 (expected)

Request for partners:

- Financial support.
- Technical assistance from national agencies in climate smart agriculture.
- Mobilization of public and private funds

Sub-topics

- Climate
- Water
- Adaptation
- Transboundary Ecosystems
- Technology

Beneficiaries

Community and rural farmers, governments, civil society, academia, and others.

Expected outcomes

- Integration pilot projects.
- Enhanced resilience of water systems and sector.
- Reduced emissions from water sector.
- Promotion of water security.

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