

LIMA: OPTIMIZING WATER MANAGEMENT TO COMBAT URBAN POVERTY



LOCATION

District: Villa El Salvador
Area: 3,546 ha
Population: 330 143
Female population: 49.6%
Basic sanitation coverage: 61%
Agricultural zone: 21.3%
Climate: Arid and semi warm
Temperature: 18°C - 19°C
Humidity: 85% - 95%

PROJECT DESCRIPTION AND GEOGRAPHIC LOCATION

The Ministry of Housing, Construction and Sanitation (Perú), IPES and the Municipality of Villa El Salvador (Members of the Learning Alliance), in order to demonstrate the validity of the policy guidelines established, are jointly developing the OGAPU Project, "Optimizing Water Management to Combat Urban Poverty" in the Villa El Salvador district.

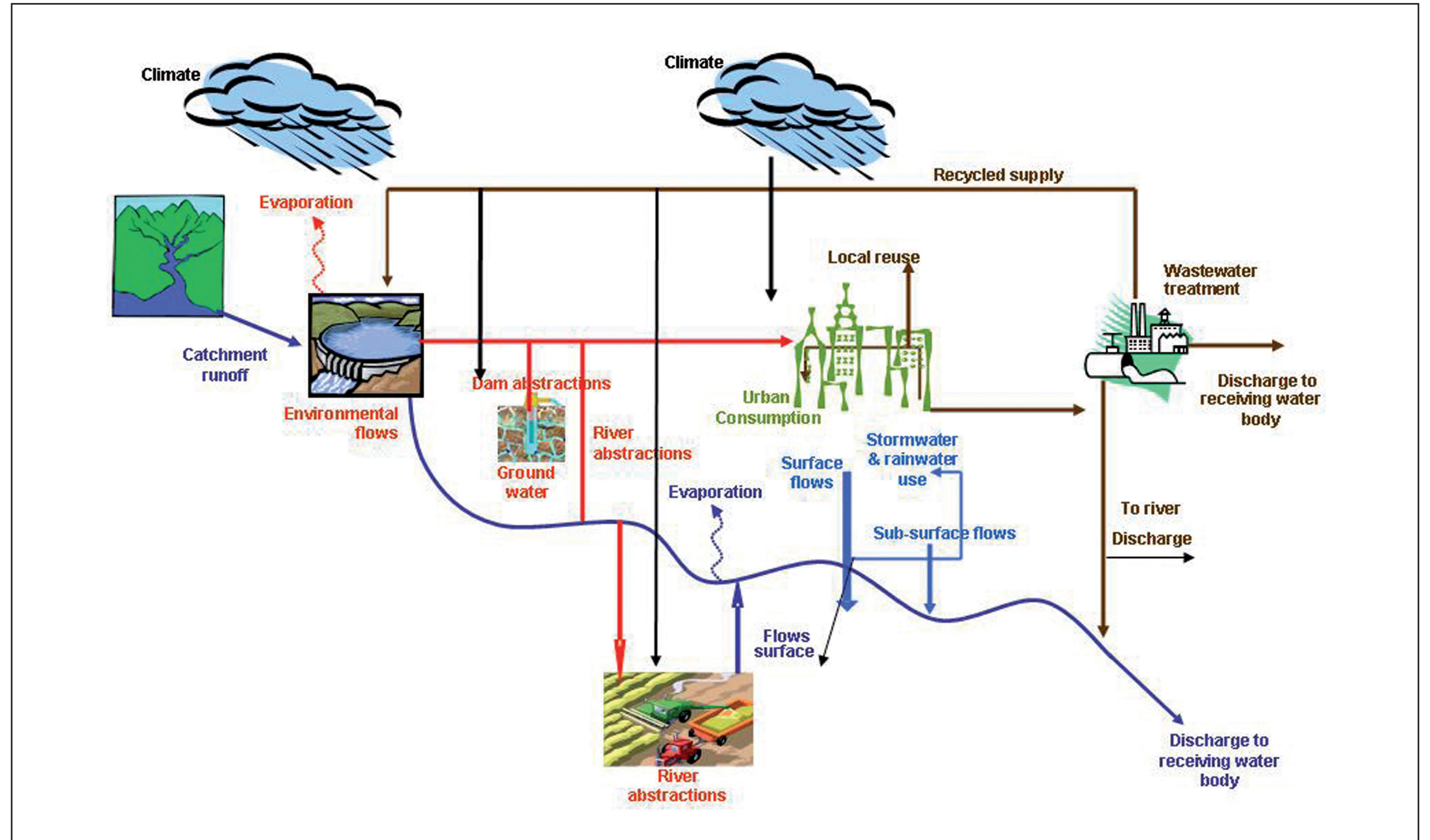
The main objective of the OGAPU Project is to help combat urban poverty, improve food security and foster public participation at the local level through the implementation of a wastewater treatment system for re-use in multi-functional green areas.

The project consists of building a wastewater treatment plant with the capacity to treat 1 l/s of water that will help develop and maintain 2.6 hectares of recreational and productive green area (for urban agriculture).

Another goal is that the multi-functional green area fulfils social functions (strengthening social networks, recreation, inclusion, equality, etc.) as well as economic functions (savings for families, job creation and higher incomes, economic support, etc.) and environmental functions (utilizing vacant spaces, solid and liquid waste, improving air quality, reducing global warming, etc.).

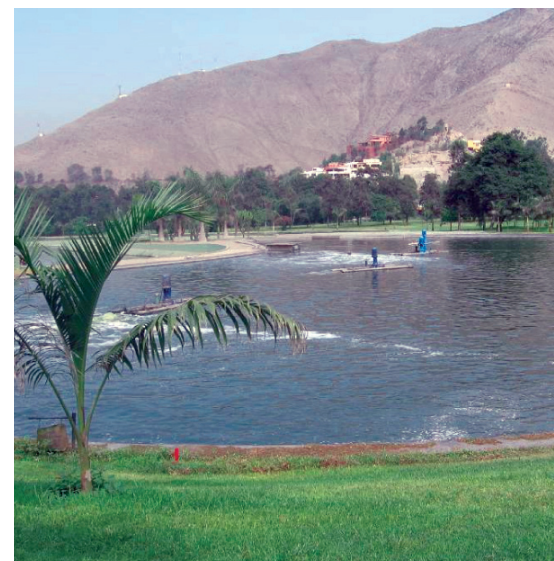
The following stages are included in the project's implementation: a diagnostic assessment, information and awareness raising, area design and participatory planning, selection of beneficiaries, training and area management.

The project's sustainability will be ensured through appropriation by the residents, self-management and administration, and citizen surveillance carried out by the organizers and the community located in the intervention zone.



WORKING WITH THE WATER CYCLE

Treatment and use of domestic residual water



CURRENT RESULTS

The results are:

- There are established diagnostic procedures for the intervention zone: Barrio I, Sector I, Pachacamac housing development, Villa El Salvador district.
- Aware and informed actors have been identified and are involved with the OGAPU project.
- The multi-functional area has a participatory design.
- The area is now under construction.



EVIDENCE OF DEMAND AND SCALE CHANGING PLANS

52% of the Peruvian population lives in the coastal (desert) zone, and only 1.5% of the country's surface water is available to them. This cause a severe lack of green spaces for the population.



43% of the country's population lives in poverty, which is why it is essential to look for alternative ways to generate economic income for families through productive activities like agriculture.

Additionally, only 22% of domestic residual water receives treatment in the country.



The amount of treated residual water will increase because the Peruvian government has made it a priority to increase coverage, and improve quality and sustainability for potable water services, sewer systems, sewage treatment and solid waste regulation.

The demonstration project will be a pilot experience allowing for the integrated treatment systems' implementation to be validated and for treated residual water to be used for green areas and agriculture.

POTENTIAL IMPACTS

The OGAPU project's potential impacts are:

- A system for generating 1 l/s of treated wastewater, managed and administrated by a local committee formed by the Municipality, residents and other involved actors.
- 2.6 hectares of productive green area which can be used for the following purposes: a grass field, concrete area for sports, productive garden, skate ramp, bike trail and children's play area.
- A space for social interaction with capacity for 2,600 people.
- 40 families increase their complementary incomes through the production and commercialization of the area's agricultural products.



MEMBERS INVOLVED IN THE LEARNING ALLIANCE

Villa El Salvador Municipality



Ministry of Housing, Construction and Sanitation / Peru Government



IPES - Promotion of Sustainable Development



The Project is co-financed by the SWITCH Project and CORDAID.