

Dr. Hans Werner Theisen – GIZ Malena Morales Valentín - Backus





CEO Water Mandate, Lima-Peru April, 2014



Water Futures Partnership

A **global collaboration** between the private sector, government agencies and NGOs, running on-the-ground projects **to address** shared water risks at the local level.

The vision is of a secure and fair water future that supports sustainable economic growth, achieved through the improved use and management of water at a watershed level.









Water Futures - Peru



- Most important brewery company in Peru with more than 130 years of experience
- Five breweries, one water bottling plant, two CSD plants, one malting plant
- 42 distributions centers
- Over 7,000 generated direct jobs and more than 220,000 indirect jobs
- Drinking water and sanitation program PROAGUA
- Main projects: policy advice to the Ministry of Construction, Housing and Sanitation. Technical advice to water utilities throughout Peru on corporate governability, skills development, financial and commercial management.





Development of the alliance in Peru





Continuous review and redefinition of the alliance strategy

2014





Experience



Project Execution

- Execution of a pilot project in alliance with the local authority and the irrigation board
- Promotion of River Basin Observatory – Part of PROACC **Project**

2010 - 2012

Situational Knowledge & Action Plan

- Definition of the intervention area
- Review of existing information
- and technical information
- Development of the

- Generation of social
- project platform and the action plan

Systematization

- Compilation and analysis of information of the watershed
- Water project design
- Engagement with public sector and relevant stakeholders
- Systematization of the alliance roadmap









Organization of the local alliance and team work

Definition of roles and commitments



Project Platform

PROJECT PLATFORM

Objective: To promote the sustainability of the Rimac river aquifer

COMPONENT 1

Infrastructure and protection of key natural areas

Pilot project: rehabilitation of canals in Ate for the watering of public parks in order to improve the groundwater aquifer's recharge and avoid the use of drinking water



COMPONENT 3

Strengthening institutions and building capacities

Promoting a River
Watershed
Observatory – Part of
the PROACC Project







Pilot Project Canal rehabilitation

SITUATION AND OPPPORTUNITY





- Most of the parks in Ate (68%) are being watered with drinking water and with expensive water provided by trucks
- Drinking water is 43 times more expensive than water from the river (canals)
- 9% of Lima's population is not connected to the drinking water public network
- Situation of the canals: 65% of canals are in poor condition, 35% are inoperative and 55% of the water flowing through them is lost







Pilot Project Canal rehabilitation

PROJECT DESCRIPTION

Involves the rehabilitation of 2 km of canals for the watering of four public parks in order to improve the groundwater aquifer's recharge and avoid the use of drinking water. The project is conducted in alliance with the Ate Municipality (Local authority) and the Irrigation Board (administrator of water canals)

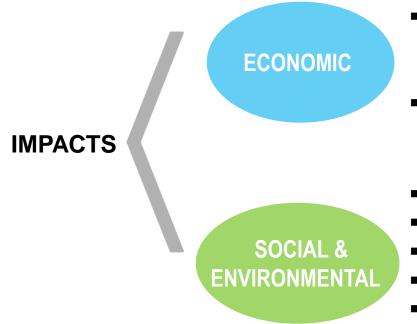








Pilot Project Canal rehabilitation



- Generates economic benefits for the municipality due to the reduction of watering costs
- Replicability opportunity
- Promotes best practices and awareness
- Promotes the best usage of drinking water
- Reduces the disposal of waste on canals
- Increases green areas
- Promotes the infiltration of water to the aquifer









OBJECTIVE

Contribute to Climate Change Adaptation of Water Resources Management with Involvement of the Private Sector at the Chillon, Rimac and Lurin River Basins – PROACC

Area of intervention: Chillon, Rimac and Lurin river basins

Timeframe: August 2014 – May 2019

Partners: Water National Authority - (ANA), GIZ; SEDAPAL,

Private Sector, Municipalities and all users

Funding: German Energy and Climate Funds - 4.4 Mill. EUR









1. Observatory

2. Public-private Projects

PROACC

3. Reuse of treated wastewater

4. Awareness strategy on Climate Change Adaptation







Observatory PROACC

Ministries

Water National Authority – ANA Local authorities: AAA, ALA

Tecnical Secretariat

Consejo de Recursos Hídricos de la Cuenca Chillon Rimac Lurin

Observatory of Chillon Rimac Lurin River Watershed

Directorate

Members:

Irrigation board, authorities, SEDAPAL & EPS, water commissions, private sector, universities, ONGs others,...

Technical Office

Donors: Aquafondo, etc...

Monitoring the situation of Chillon Rimac Lurin river watershed

- to coordinate information flow in monitoring of
 - discharge of surface water
 - quality of surface water
 - volume in the aquifer
 - quality of groundwater
 - · water related conflicts and point of risks
- to support improving the monitoring system;
- to monitor information not yet monitored (risks, conflict points, etc.)
- to disseminate relevant information to al partners
- to seek for funds
- to finance activities in the context of monitoring
- to elaborate the business and operation plan of the observatory
- to give opinion on necessary actions => plan
- Other activities tbd.







Observatory PROACC

Key partners:







Other enterprises and interested organizations

Main activities:

- <u>Set the observatory</u>: Elaboration of structure, business plan and funding system.
- Technical advice to the observatory: Capacity building
- Support to the monitoring system: Information management
- Compilation and dissemination of lessons learned: Analysis of international experiences on public-private models









1. Observatory

2. Public-private Projects

PROACC

3. Reuse of treated wastewater

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Public – Private Projects PROACC

Key partners:

Private sector, Local Governments and SEDAPAL

Main activities:

- Identify possible projects, f.ex: reuse of treated wastewater, reforestation, etc.
 and interested companies
- Set an operational structure and financial mechanisms for the development and implementation of public-private projects
- Foster incentives that stimulate best practices, f.ex: Public recognition for the most sustainable water user of the watershed

Prize: "Friends of the Watershed"







Importance of collaboration

- All water users play a role in the sustainable management of water resources, public sector, private sector, international cooperation, academic institutions, NGOs and society
- There is a need to gather efforts to promote water awareness, best practices and water management capabilities to solve problems related to water quality and availability
- Thus, important companies in their countries have to be a role model in the industry. International cooperation organizations, based on their credibility and reputation, can sit in the same table with the relevant authorities and committed companies, in order to promote the sustainable management of water resources







Thank you



