

WATER COLLECTIVE ACTIONS

El Agua Nos Une – SuizAgua América Latina

Water storage and fog catch for agricultural production

SDGs addressed: 6.8 Strengthen local communities in water management
1. End of poverty

Objective: Increase water storage capacity throughout the year (summer and winter), to ensure the irrigation of crops and strengthen the community productive organization.

Location: Cerro las Tunas, Villa María del Triunfo, Lima, Perú
Coord. UTM 8'649,874.00 N 292,275.00 E

Last update: 2015, November

Results:

- 96 m3 a year of recovered fog water for crop irrigation, benefiting 305 people
- 120 peasant families of the Llanavilla Agroindustrial Association ASALL, strengthened in organization

Leading actors: Movimiento Peruanos sin Agua, Corporación Lindley

Community: Asociación Agroindustrial Llanavilla ASALL

Cooperation: USAID



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Description:

The initiative seeks to benefit the community organization ASALL, which is formed by 120 families grouped dedicated to the production of fruits intended for sale or personal consumption. This organization depends in an important way on the water that can be supplied by tank trucks during the summer and spring, but the price is high and they can only store water in small tanks of 1000 liters. The activities developed during 2014 are:

- Installation 30 fog catchers.
- Construction of 3 reservoirs of 32 m3 each, one for each 10 fog catchers. In addition to storing water from fog catchers during the winter season, reservoirs make it possible to centrally purchase and store water from tank trucks during the summer season and thus reduce costs.
- Training for 17 people on the operation and maintenance of the system. Currently ASALL already has capabilities for the installation and maintenance of fog catchers.
- Conformation of 3 irrigation committees to administer the system.



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Context:

The district of Villa María del Triunfo has a high water stress, arid most of the year. It has rates of extreme poverty of 0.8% and extreme poverty of 20.3%. In winter, the hill Las Tunas is covered with mist.



Investment/period :

- UNACEM contributed with 18,788 USD, 17,576 for the construction of reservoirs and 1,212 for technical assistance
- The organization "Movimiento Peruanos sin Agua", USAID and the Lindley Corporation supported the construction of fog catchers and training and technical assistance in its construction
- The ASALL community organization contributed with labor



Sustainability strategy :

The project has proven to be sustainable and can be replicated.
The key actions to achieve sustainability are:

- Create a water committee that is in charge of the maintenance of reservoirs, fog catchers and pipes.
- Create a water distribution system among families throughout the year.
- Have a fund for maintenance, purchase of fog catchers, repairs, among others.



References /links::

- Agencia Suiza para el Desarrollo y la Cooperación COSUDE, ONG Agualimpia, Empresas socias (2015).
Guía de buenas prácticas para el uso eficiente de agua en empresas SuizAgua Andina Perú.
In: <http://bit.ly/GuiaBuenasPracticasSuizAguaPeru>