Rainwater Harvesting

A sustainable solution for the future

Promoting an effective, simple and scalable decentralized solution to Lebanon's water scarcity

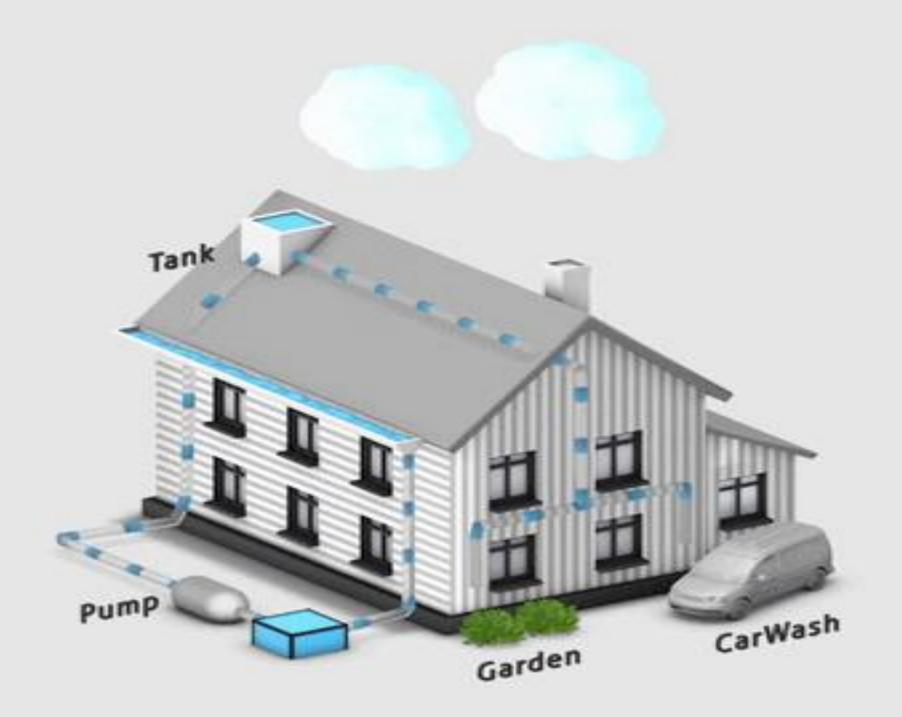


What is Rainwater Harvesting?

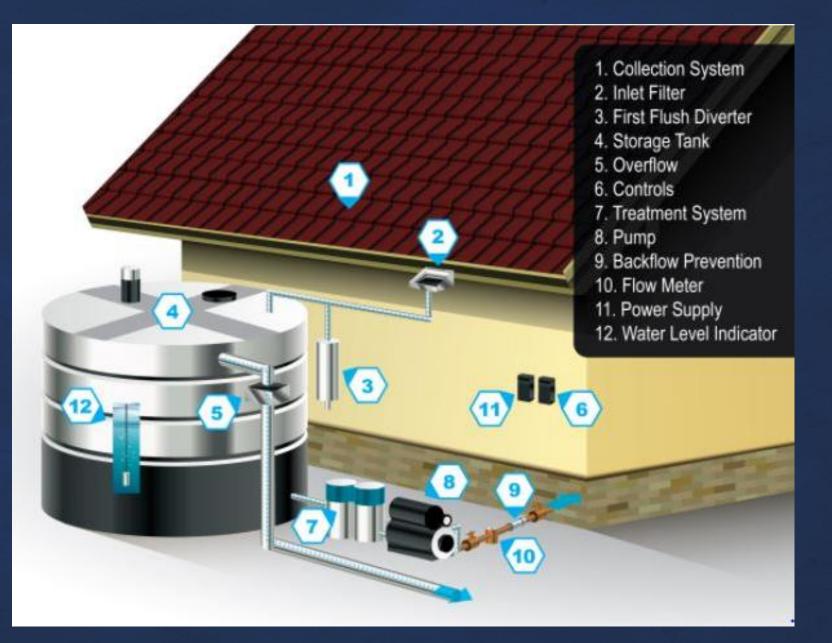
Rainwater harvesting is the collection and storage of rain, rather than allowing it to run off.

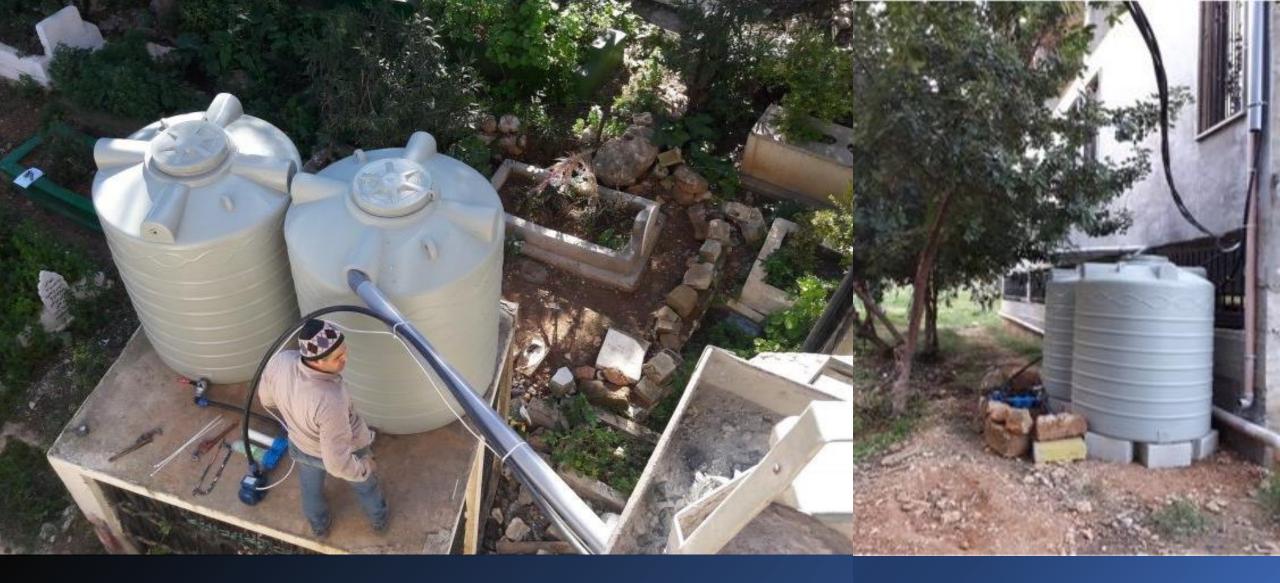
Rainwater is collected from a roof-like surface and redirected to a tank, or a reservoir for future use.





The process of Rainwater Harvesting





Domestic Rainwater Harvesting in Lebanon Pilot Project in Berqayel, Akkar



- A pilot project funded by the EU

- Berqayel was suffering from water shortages and had the largest local population (26,500 inhabitants) hosting a large number of refugees (2,500 individuals).

- Main source of water was water trucking.

- Systems to collect 8,000 liters of water.

- Covered between 40% and 100% of daily water demand over a 12-week period.

- Around 220\$ can be saved replacing water trucking over the winter season.

- The cost of the system is half the average cost of drilling a new borehole.

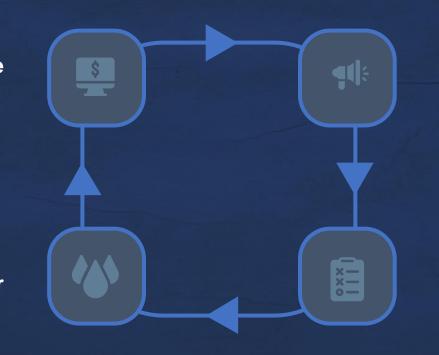


Case Study Al Ostuan River Basin RWH Project

This project will address four of the priority actions in the river basin study:

01 Training and creating jobs for the local community

03 Increase the use of surface water and decrease groundwater use for agricultural needs



Reduce water use and raise awareness of water management 02

04

Protect water resources from climate change



Installation Design on Farms

La Li

TOTT







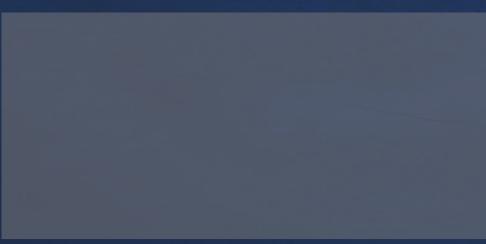


Installation Design on Public Schools

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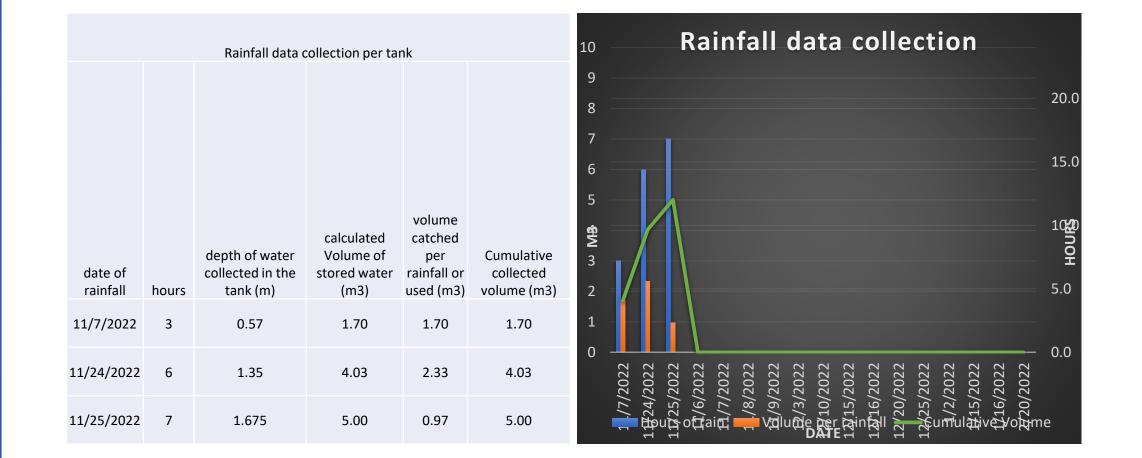








Quantity of Water Harvested



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