

Good practices and existing frameworks –Healing the wounds

Keyword: Gratuity

The good that already exists

Practices (Concrete actions currently underway related to the keyword)

Filter Caps – universal biodegradable filtering cap for drinking water

Filter Caps is a simple, low-cost, high-impact technological solution designed to improve access to safe drinking water in vulnerable contexts. It consists of a small biodegradable filtering cap, produced through 3D printing using natural and mineral materials. Thanks to its PCO 28 mm threading, it fits all standard bottles. In addition to removing bacteria, heavy metals, and muddiness, it also mineralizes and alkalizes the water.

The initiative originated in Colombia, where more than 3.7 million people lack secure access to potable water. Filter Caps were distributed through collaboration with the Colombian Red Cross and the Baylor Foundation, with support from Ogilvy Colombia. The pilot distribution reached both urban and rural communities facing water emergencies, including areas affected by conflict or natural disasters.

The project is grounded in the principle of cost-free distribution and universal accessibility: the technology is open-source, the bottle adapter can be locally reproduced at low cost, and the first distributions were carried out without commercial purposes, directly benefiting communities in need. In this sense, cost free distribution becomes an expression of care and social responsibility towards the most vulnerable.

Frameworks (How success is measured – indicators)

The effectiveness of Filter Caps has been assessed using descriptive quantitative indicators, based on technical and distribution data collected during the first operational phase in Colombia. These frameworks concern the number of filtering adapters distributed, the total volume of

potable water produced through the filters, and the estimated number of beneficiaries reached.

Indicators:

Number of adapters actually distributed: 1,000 Filter Caps distributed in total during the pilot project.

Out of these, 480 were donated by the Colombian Red Cross to local communities (Centro Alto, El Tablón, El Retiro, Santa Bárbara)

Total volume of filtered water in the first months: More than 300,000 liters of drinking water generated within just two months of the initial distribution.

Estimated number of direct beneficiaries: Approximately 2,000 people served in the communities involved in the pilot phase.

Sources

Filter Caps – Official website: <https://filtercaps.co/en/>