SPOUTS of Water

Ensuring access to safe drinking water for all Ugandans

Social Programs Guide
10 million Ugandans without access to safe drinking water

#1 killer of children under 5 in Uganda is water-borne illness

$20 provides a filter that will give a Ugandan family safe water for over two years

$90 provides entire classrooms with safe water

60,000 Ugandans use Purifaaya filters to access safe water
“When I first visited Uganda in 2010, I was struck by the lack of access to clean water. This inspired me to create a sustainable solution. SPOUTS has created the first locally manufactured ceramic water filter to provide safe water with little maintenance.”

Kathy Ku
Co-Founder - SPOUTS of Water

“I use the Purifaaya every day. The filter is good because it makes my drinking water safe for me and my family and has made our lives better. We now avoid diseases like typhoid and waterborne diseases.”

Kyakuwa Mariam
Purifaaya purchaser
Safe drinking water is a basic human right that is inaccessible to many individuals in Uganda. Currently, **30% of the population live day to day without clean drinking water**, while an additional **60% of the population boil water daily in order to sanitize it**. Neither of these methods are fail-safe, and while the number of Ugandans killed by Malaria and AIDS has been rapidly falling, waterborne illnesses remain a leading cause of death with no improvement.

![Leading causes of child mortality in Uganda](image)

**A leading cause of pneumonia is in-house smoke, which is also reduced with the Purifaaya**

**Besides the major health implications, boiling water has several negative economic, gender, and environmental impacts.**

*Learn more at spouts.org/need*
SOLUTION

SPOUTS has created an accessible, effective, and convenient solution to clean water access in Uganda. The Purifaaya is a ceramic water filter made using only local materials. **A Purifaaya lasts 2 years and costs 20 USD**, making it the most affordable solution to safe water access in Ugandan households.

Proven 99.9% effective by the Uganda Ministry of Water and Environment

*Microscopic pores in the clay prevent bacteria getting into the drinking water*

“Locally produced ceramic pot-style filters have the advantages of being lightweight, portable, relatively inexpensive, chemical-free, low-maintenance, effective, and easy to use”  - UNICEF
Since 2015, SPOUTS has provided safe water to 60,000 Ugandans with the Purifaaya. We have distributed filters to over 200 communities nationwide, including to some of Uganda’s most remote and vulnerable populations.

Filters distributed to date:

- 300 Purifaayyas to schools
- 3,400 Purifaayyas to other aid programs
- 3,600 Purifaayyas to individuals

SPOUTS aims to build on this success by providing 5 million Ugandans, or 14% of the population, with access to safe water by 2025. This would represent a fundamental shift in the way Ugandans approach water purification and would save thousands of lives, primarily of children.

Targeted number of people using Purifaaya (‘000)
THE BURDEN OF BOILING

Boiling drinking water can often be done incorrectly, leading to sickness and even death. Additionally, boiling has presented a huge financial burden to the 60% of Ugandan families who currently boil water daily.

An average of $200 is spent every two years per family on the fuel needed to boil water, or 10 times the $20 cost of a Purifaaya, which lasts over 2 years.

To date, $850,000 has been saved by Ugandan families who have switched from boiling to the Purifaaya.

Impact on women and children

In Uganda, the responsibility for securing drinking water falls disproportionately on women and children. It is estimated that women and children in Uganda spend 140 million hours every day collecting water and account for 76% of the water collection for households (WHO).

The ease of use and time savings the Purifaaya provides gives back valuable time to individuals that would have otherwise been spent boiling. This time can then be reinvested in the family and economic activities.
Uganda is currently home to 40 million people, **60% of whom boil their drinking water**. Many of those who boil use firewood, and on average, each individual requires 2 kg of wood to boil his or her daily drinking water. SPOUTS estimates that the portion of the Ugandan population using firewood burns roughly **5 – 6 billion kg of wood annually, releasing up to 360 billion kg of CO2 per year**. In households where charcoal is used, there are similar detrimental environmental effects.

By eliminating the need for firewood or any form of fuel, the Purifaaya reduces greenhouse gas emissions and the rate of deforestation. **Nexus Carbon estimates that for every 28,000 filters sold, 60,000 tons of CO2 are saved each year.** Furthermore, SPOUTS sources all its raw materials from Uganda, minimizing the environmental costs tied to manufacturing and shipping from abroad.

**11,190 tons CO2 saved to date through the replacement of boiling with Purifaaya**
COMMUNITY IMPACT

1. SPOUTS manufactures a locally produced product that provides jobs to many Ugandan workers.

2. By creating a product with demand, SPOUTS bolsters the local economy. We work with multiple distribution partners, including retailers, pharmaceutical companies, microfinance institutions, and local community banks and savings groups. The Purifaaya enables our local partners to achieve greater economic prosperity.

3. SPOUTS’ social programs enable the poorest and most vulnerable members of the Ugandan community to gain access to safe and clean drinking water. Our social programs also provide access to desperately needed clean water in public spaces. SPOUTS has two social programs: Filters for Schools and Water for Refugees.
In Uganda, waterborne diseases are prevalent within the younger generations, due to many schools lacking the money and resources to provide children with clean and safe drinking water. However, the Purifaaya offers a simple, accessible, and affordable solution to this problem.

Filters for Schools also implements a water sanitation and hygiene curriculum within schools. This teaches pupils and staff how to avoid getting sick through correct water purification and sanitation practices.

One Purifaaya filter provides water for 20 students each day, costing only $1 per student every 2 years.

$90 provides an entire school with safe water.
Uganda currently hosts over 512,966 refugees from surrounding countries. Many refugees stay in Uganda’s camps for months or even years. These displaced individuals face high health risks due to the complete lack of access to safe drinking water in the majority of these camps.

SPOUTS aims to solve this problem by providing filters to households, clinics, and schools in refugee settlements in both Uganda and South Sudan.

**Impact & education in camps**

Our aid strategy aims to break the cycle of dependency by providing filters to refugees at a household level. This fosters a crucial sense of individual responsibility for their health and water sanitation.

SPOUTS also works with implementing partners on the ground to ensure that individuals receive a sanitation training program, followed by thorough usage monitoring. Our partners include Oxfam, UNHCR, Surge for Water, American Refugee Committee, and Sundara.
Purifaaya filters installed in over 36 schools, providing safe water to over 8,000 students.

Over 1,500 Purifaaya filters installed in refugee settlements.
JOIN OUR MISSION…

SPOUTS has started a water revolution in Uganda, providing access to clean drinking water, one filter at a time. However, we cannot undertake this mission alone. **SPOUTS needs your help** to fund and promote our social programs. There are several ways you can contribute to our mission:

**DONATE**

Donating to SPOUTS is quick and easy through our website.  

[http://spouts.org/](http://spouts.org/)

**FUNDRAISE**

There are many fun and creative ways to fundraise money for SPOUTS. Fundraising is a personal and rewarding challenge, because how you decide to fundraise is up to you.

Share ideas, keep us updated and get fundraising advice by contacting:  

[fundraising@spouts.org](mailto:fundraising@spouts.org)

All financial support goes directly into our social programs, providing filters for the most vulnerable individuals.

**PARTNER with SPOUTS**

SPOUTS has been able to develop and expand thanks to partnerships we have formed with organizations all over the world. Join the SPOUTS family and help us promote the fundamental human right to safe drinking water.
THANK YOU FOR YOUR SUPPORT