



# Towards City-Wide Sanitation: Growing a Transformative Sanitation Service in Haiti



## WHAT WE'RE UP AGAINST

The world is experiencing an **UNPRECEDENTED SANITATION CRISIS** with more than half of the world lacking access to a toilet that safely manages human waste. As water sources become increasingly polluted from human waste, the earth's soil nutrients have been rapidly declining, leading to extreme vulnerability to climate-related risks, reduced agricultural production, poverty, and malnutrition.

**In Haiti**, only 30% of the population has access to improved sanitation and less than 1% of wastes are safely treated, leading to one of the highest rates of childhood diarrhea globally.

As cities expand at staggering rates, it's critical that the sanitation sector develops innovative approaches that work in dense urban areas to avoid exacerbating the toil of preventable waterborn disease.

SOIL is scaling up our local-optimal, off-grid, sanitation solution across urban communities in Northern Haiti.

Get in touch

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Website: [www.oursoil.org](http://www.oursoil.org)



## ABOUT SOIL

Since 2006, SOIL has been expanding access to safe, affordable, and dignified sanitation services in some of Haiti's most vulnerable urban communities. SOIL currently provides lifesaving sanitation to over 19,000 people through our household sanitation service and safely treats 100% of the waste collected from the households; in turn transforming the waste into more than 250+ tons of nutrient packed compost annually through our regenerative waste treatment.

### IMPROVED SANITATION

**19,000+ PEOPLE**

WITH ACCESS TO SOIL'S DIGNIFIED, GROWING URBAN SANITATION SERVICE.

### PUBLIC HEALTH

**1,300+ TONS OF WASTE**

REMOVED ANNUALLY FROM DENSE URBAN NEIGHBORHOODS, PREVENTING THE SPREAD OF WATERBORNE DISEASE AND PRODUCING ORGANIC COMPOST.

### ECONOMIC GROWTH

**85+ PEOPLE**

PROVIDED WITH DIGNIFIED LIVELIHOODS IN THE FORMAL SANITATION SECTOR.

### CLIMATE MITIGATION

**3,800+ METRIC TONS OF GHGs**

MITIGATED YEARLY BY KEEPING FAECAL SLUDGE DRY AND APPLYING OUR AEROBIC COMPOSTING PROCESS TO ALL COLLECTED WASTE.

**SOIL'S AWARD WINNING SERVICE** provides safe hygienic, climate-resilient, and dignified urban sanitation services and has received recognition from:



SOIL'S ECOLOGICAL SANITATION SERVICES REDUCE GREENHOUSE GAS EMISSIONS BY NEARLY **1 METRIC TON OF CO2 PER HOUSEHOLD PER YEAR**



SOIL'S COMPOSTING PROCESS EMITS UP TO **92% LESS GREENHOUSE GAS EMISSIONS** THAN TRADITIONAL WASTE TREATMENT SYSTEMS



**CAPTURING NUTRIENTS FROM HUMAN WASTE RECYCLES AND RETURNS THEM TO THE SOIL**

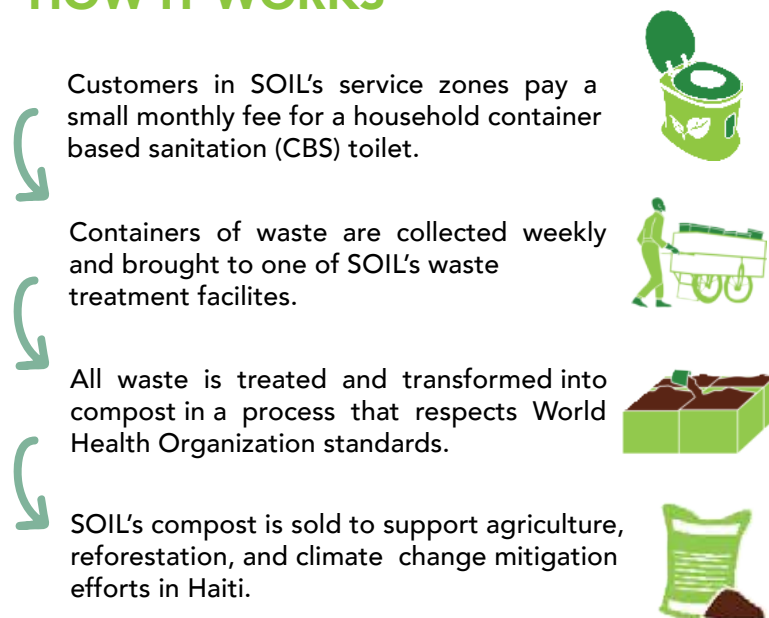


AT ITS CURRENT SCALE, SOIL'S SANITATION SERVICE SAVES **58 MILLION GALLONS OF WATER/YEAR** COMPARED TO FLUSH TOILETS



SOIL'S FLAGSHIP SERVICE, **EKOLAKAY**, PROVIDES DESIRABLE AND AFFORDABLE HOUSEHOLD SANITATION SERVICES DESIGNED TO MAXIMIZE CLIMATE RESILIENCE AND ADAPTATION ACROSS THE ENTIRE SANITATION VALUE CHAIN.

## HOW IT WORKS



EKOLAKAY HAS GROWN FROM A PILOT PROJECT IN 2013 TO A SERVICE WHICH TODAY REACHES OVER **19,000** URBAN RESIDENTS WITH SAFE AND DIGNIFIED ACCESS TO HOUSEHOLD SANITATION

## WHAT'S NEXT

SOIL AIMS TO REACH **15%** OF THE URBAN POPULATION OF CAP-HAITIEN, HAITI IN THE COMING YEARS.

## HOW SOIL PARTNERS IN THE CARBON OFFSETTING MARKET

Smaller organizations like SOIL, despite their proven carbon mitigation efforts, struggle to compete in the traditional carbon offset market due to the prohibitive costs involved. An alternative approach is **direct climate partnerships**, exemplified by SOIL's collaborations with Global Water Intelligence.



This method allows companies to offset emissions by partnering directly with the source of carbon credits, ensuring that 100% of funds support mitigation efforts. This approach enhances the impact of carbon offset projects and supports broader social and environmental outcomes, presenting a more cost-effective solution for meaningful contributions to global climate goals.

**To partner with SOIL to offset emissions please contact us at [info@oursoil.org](mailto:info@oursoil.org)**