

(🛛 Kenya)

Western Kenya Soil Carbon Project

Expanding the use of sustainable agricultural practices with smallholder farmers

Carbon Removals

94,000t
 CO₂ e p.a.



Project Technology

AFOLU:

Project Standard

VCS

Smallholder farmers in Kenya historically grow maize, cassava and sweet potato crops, which are regional food staples. Unsustainable agricultural practices however, such as continuous cropping, and the inadequate use of fertilizers have resulted in declining soil fertility and low crop yields. This not only negatively affects local communities' livelihoods and food security, but also the environment. When soil is poorly managed, it releases a significant amount of stored organic carbon into the air. The Sustainable Agricultural Land Management (SALM) practices supported by this project will bring higher crop yields and more enterprise to these farmers.

The Western Kenya Soil Project supports more than 30,000 smallholder farmers in rural Kenya, specifically the Bungoma, Siaya, and Kakamega counties. The project includes technology packages such as conservation agriculture (e.g., composting, vermiculture, crop covers, reduced tillage), soil and water conservation (terracing), integrated soil fertility management, integrated pest management (push-pull technology) and agroforestry and tree nursery establishment. Collectively, these activities improve soil quality, enhance crops yields and reduce greenhouse gas emissions over time. By integrating these technology packages, the farmers ensure their agricultural and income permanence, which further fosters their organized collective and enterprise development ambitions.



about project standards and technologies: <u>firstclimate.com/tech</u>





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Sustainable Development

Beyond removing carbon emissions, all our climate protection projects generate multiple additional benefits for people and the environment. These projects support the United Nations Sustainable Development Goals.



First Climate

Germany
Friedberger Str. 173
61118 Bad Vilbel
+49 6101 55 658 20
badvilbel@firstclimate.com

Switzerland
Brandschenkestr. 51
8002 Zurich
+41 44 298 28 00
zurich@firstclimate.com



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