

CSIDS SOILCARE PHASE 1

Caribbean Small Island Developing States (SIDS) multicountry soil management initiative for Integrated Landscape Restoration and climate-resilient food systems



Component 3 of the CSIDS-SOILCARE will seek to increase resilience building to land degradation, natural disasters and climate change through Climate Smart Agriculture and Enhanced Drought Risk Management.

This component will address soil productivity through Climate Smart Agriculture, establish model farms on selected landscapes in Guyana, St. Lucia, Haiti, Grenada, and Barbados and applied regionally. This component will target 20,000 ha of arable lands for the adoption of SSM/SLM and Climate Resilient measures.

The specific outputs are:

Climate Change Implications Assessed and Validated at the farm and landscape levels and the Results used and promoted to support climate resilient and viable/productive farming systems and value chain integration at the regional level.

Climate Resilience Measures Integrated into Model Farms and the Information Gathered Use to Form the Basis of the Regional Guidelines which will Guide Farmers in Transitioning to Climate Smart Agriculture Production at the Regional Level

Climate Smart Agriculture baseline and marketing strategy designed and applied and legal agreements established as a basis for scaling out successes, under a gender equality approach

Baselines, indicators and methods for the implementation of Climate Smart Model Farmland and Landscapes established using the High Nature Value Index (HNVI)



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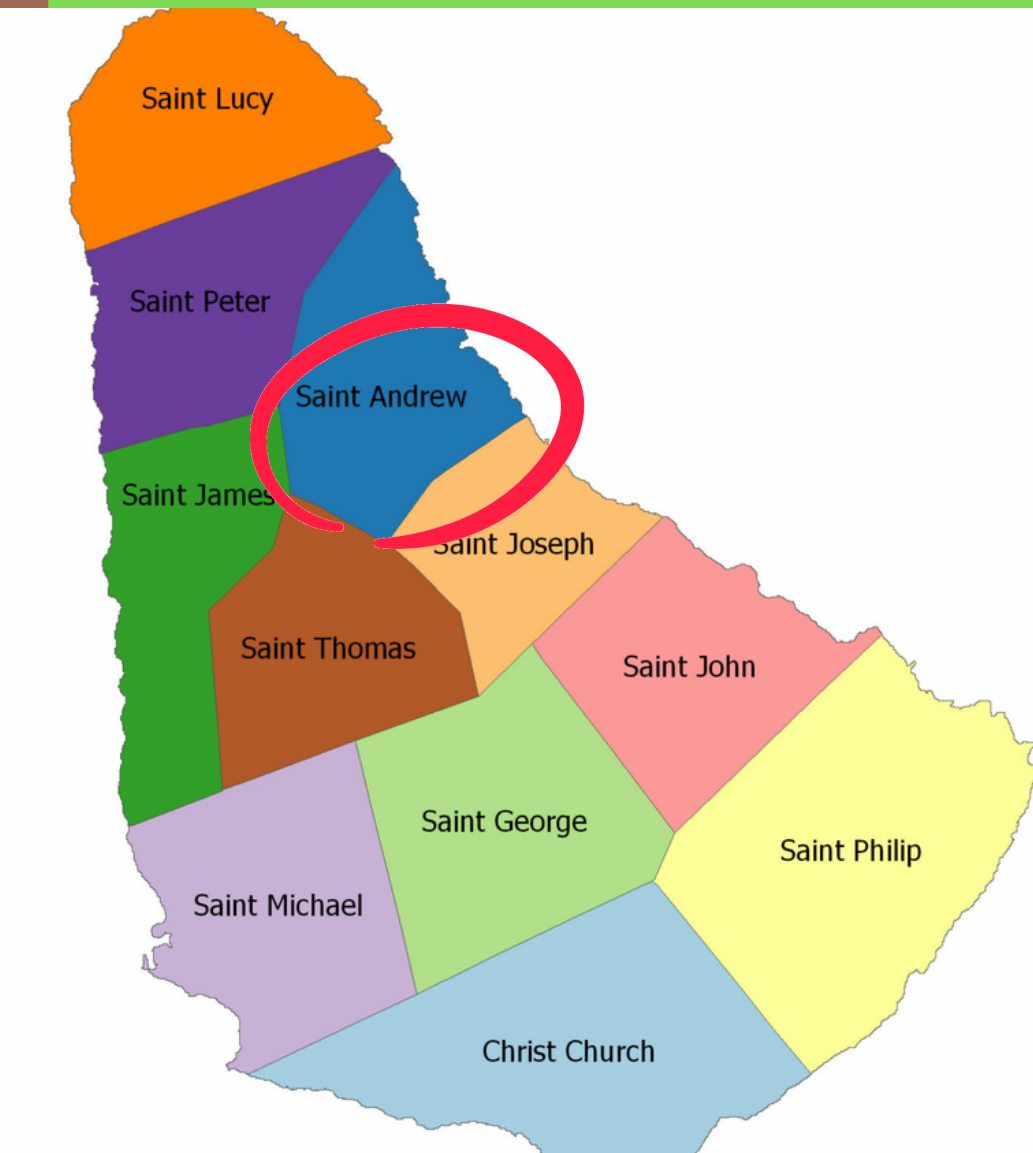
Climate Smart Demonstration Agriculture Model Farms will be implemented in the Intermediate Savannas of North-East Guyana which lies immediately to the South of the coastal plain, extending both east and west of the Berbice River in a South-Westerly direction, and adjoin the upland rain forest regions; and Region 5 – the Mahaica Mahaicony Abary area which extends east of the Mahaica River to the west bank of the Berbice River. Results from the model farm are expected to be upscaled to 4,000 ha in Guyana.

In Grenada, the site selected is the Chambord/Rose Hill Area. This is one of the Land Degradation Hot Spots identified. This area is located in the River Sallee watershed in the east of the parish of St. Patrick. The area is dominated by flat lands which are bordered by gently sloping lands. The total land area is over 100 acres. The farm sizes range from 0.5 and 3 acres. Twenty-five farmers and by extension their families depend on the area for their livelihoods. Results from the model farm are expected to be upscaled to 3,000 ha in Grenada.



In St. Lucia the Demonstration Model Farm will be located in Bois Den Jacmel an intensely farmed agricultural area where extensive land degradation is occurring aided by bad agricultural practices. Results from the model farm are expected to be upscaled to 3,000 ha in St Lucia. This component will in the main, target small farmers. However, climate resilience measures and practices will be mainstreamed into all CARICOM regional policy.

Barbados, the Demonstration Model Farm will focus on the Nature Fun Ranch within the National Park at Bruce Vale, St. Andrew. Results from the model farm are expected to be upscaled to 3,000 ha in Barbados. For each of the Demonstration Model Climate Smart Agriculture Farms a Strategic and Marketing Plan will be prepared since another strategic objective of these farms is to increase income and strengthen farmers' livelihoods and to attract and keep youth in this field of endeavour



In the case of Haiti, the Model Farm will be located in Rio Marion Watershed (target area: 7,000 ha). The Demonstration Model Farms selection criteria was based on land which is currently not under production and/or under utilised, land under different production systems and which have the potential for generating value added livelihood options and land that offers the potential for the involvement of unemployed youth.