



Food and Agriculture
Organization of the
United Nations

ADVANCING PREPAREDNESS, COMMUNITY RESILIENCE AND AGRICULTURAL SUSTAINABILITY IN GRENADA, GUYANA, AND SAINT VINCENT AND THE GRENADINES

The subprogramme focused on addressing significant gaps in climate and weather data access and utilization in the Caribbean region, particularly for agriculture and community-based disaster risk management (CBDRM). It identified key challenges, including a shortage of weather stations suitable for agricultural needs, limited capacity to interpret climate data, and inadequate risk information for agricultural ministries. The 2019-2020 drought and the COVID-19 pandemic exposed these vulnerabilities, emphasizing the need for improved risk management and preparedness for systemic, multi-hazard risks like droughts, hurricanes, and health crises. The subprogramme aimed to enhance data access, build capacity for interpreting climate information, and integrate agricultural value chains into risk management protocols. By improving resilience, it sought to safeguard livelihoods, promote sustainable farming practices, and support the recovery of vulnerable farmers affected by COVID-19 and other climate-related risks. The overall goal was to strengthen the region's preparedness and ability to manage interconnected risks, ensuring more resilient agricultural systems and communities.

WHAT DID THE PROJECT DO?

In Grenada the subprogramme strengthened DRM systems through a comprehensive analysis at national, district, and community levels. It implemented CBDRM processes, training CBOs to conduct vulnerability assessments and risk management practices. A drone and participatory GIS mapping team was established, providing advanced skills for agriculture and DRM. Vulnerability mapping of nutmeg and cocoa farms supported the development of an agricultural risk insurance product, and an integrated pest management (IPM) assessment for soursop led to improved pest control recommendations.

In Guyana the focus was on improving emergency preparedness and DRM in livestock-dependent communities across Regions 3, 5, and 6. A DRM systems analysis identified gaps, and innovative risk-sensitive housing designs were introduced for broilers, small ruminants, and cattle, incorporating climate-smart approaches and biosecurity measures to enhance resilience against flooding and heat stress. In Saint Vincent and the Grenadines, a comprehensive DRM systems analysis was conducted, and a training workshop on fisheries and aquaculture response in emergencies (FARE) was implemented, improving resilience in the fisheries sector. A drone and participatory GIS mapping team developed a detailed map of the South Coast Marine Conservation Area, identifying over 206 hazards and enhancing environmental monitoring. Initially, the region faced gaps in climate and weather data, hindering effective agricultural DRM. The subprogramme addressed these by improving data access, interpretation, and capacity building at institutional and community levels, benefiting smallholder farmers and fishers.



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KEY FACTS

Latest Approved Budget

USD 550 000

Duration

January 2022-December 2023

Resource Partners

Multilateral (Donors of the Flexible Voluntary Contribution [FVC])

Partners

Grenada: Ministry of Agriculture and Lands, the National Disaster Management Agency and the Grenada Meteorological Service

Guyana: Ministry of Agriculture, the Hydrometeorological Service and the Civil Defence Commission; National Emergency Operations Center

Saint Vincent and the Grenadines: Ministry of Agriculture, Forestry, Fisheries, Rural Transformation, Industry & Labour; the National Emergency Management Organization; and Saint Vincent and the Grenadines Meteorological Services

Beneficiaries

Vulnerable crop and livestock farmers in Grenada, Guyana and Saint Vincent and the Grenadines

IMPACT

The subprogramme successfully enhanced DRM, community resilience, and agricultural sustainability across the target countries. It established a robust foundation for continued progress toward resilient and sustainable development, ensuring that vulnerable farming communities are more resilient in the face of future shocks and stresses.

ACTIVITIES

- Identification and selection of communities whose farming households have been affected by COVID-19, are highly vulnerable to other major hazards such as drought and extreme rainfall.
- Trainings on the implementation of the priority DRM and climate resilient practices and technologies.
- Trainings for participating women, youth and micro-, small and medium-sized enterprises (MSMEs) on the adoption of these resilient value chain practices and approaches.
- Identification of practices or approaches that can reduce or manage major risks across the selected value chains and development of guidelines for their adoption.
- Design of priority DRM practices and technologies that can be implemented at farm and community levels to promote COVID-19 recovery and increase resilience.
- Training for Ministry of Agriculture staff and other stakeholders on how to access, analyse and utilize critical risk information.



Project Title

Building Resilience to Multiple Shocks and Stresses in the Response and Recovery from COVID-19 Impacts in the Caribbean (Grenada, Guyana and St. Vincent and the Grenadines)

Project Code

FAO: FMM/GLO/161/MUL

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