



**Project Title:** Climate Change Adaptation Project for Livestock Production  
**Project Country:** St. Vincent and the Grenadines  
**Responsible Organisation:** MARTFF/Animal Health and Production Division  
**Proposed Budget (USD):** J-CCCP Grant Funding: \$55,555.56  
In-kind Contributions: \$92,166.66  
Total: \$147,722

### Project Objective

This project seeks to establish mechanisms to tackle declining incomes and livelihoods of farm families due to increased intensity and frequency of the dry period, inadequate irrigation infrastructure and continued use of fossil fuel fertilizers on small farms. The project will mitigate these issues by constructing small water harvesting systems on small livestock holdings to harvest rain water to be stored for later use. The project will procure pelletizers to conserve better quality forage for periods of droughts or floods. The provision of resilient tropical breeds of sheep that can withstand the variation in temperature and the increase burden of endoparasites. Finally, it would install bio digesters on pig farmers' holdings to convert waste into usable energy for heating and electricity.

### Selected Focal Areas

This project will incorporate the following focal areas identified under Outcome 2 of J-CCCP:

- Climate-resilient agro-pastoral practices and technologies
- Community Based Climate Smart Resilient Infrastructure
- Renewable Energy and Energy Efficiency

## Targeted Stakeholder Groups

A number of stakeholders will be targeted by the project, as outlined below:

- The initiative will provide a direct benefit to **48 of small ruminant farmers** through the provision of infrastructure to improve their ability to provide feed and water during and after harsh climatic conditions
- **Three (3) farms** will benefit from the provision of facilities to convert waste to fuel on farm
- **Three young livestock farmers** will benefit from the improved sheep programme to rear pure lines. Livestock farmers will also benefit directly through participation in the sire revolving programme from the improved pedigree of resilient breed. Livestock farms will also benefit from the establishment and improvement of pasture and forage banks



## Project Activities

The project will undertake the below activities:

- Construction of small water harvesting systems on small livestock holdings to harvest rain water for animal use
- Procurement of pelletizers to augment feed stock and conserve better quality forage for periods of droughts or floods
- Provision of resilient tropical breeds of sheep that can withstand the variation in temperature and the increased burden of endoparasites
- Installation of bio digesters on pig farmers' holdings to convert waste into usable energy for heating and electricity