

Food & Business Applied Research Fund

Water And Weather Monitoring Services Ghana's Cocoa region: Innovative weather censoring and information services for local farmers

Consortium Members.

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Opportunities & Challenges

- Exchange rate fluctuated, the AWS were more expensive than expected
- Stay in touch with stakeholders after each meeting
- Bad infrastructure when rainfall is present, this delayed the installation of AWS
- Ghana Meteorological Agency does not have the right software for a modern data platform



Map Of Stations

Legend

- ★ TAHMO AWS
- Regional Capital
- Volta Lake
- Region

Objectives

"Improving access to reliable information from water and weather forecasts, based on data from on-the-ground monitoring stations as well as satellite data with cocoa as the primary aim."

Expected Impact

- Increased food security
- Improved livelihoods
- Increased knowledge on weather and climate which will enhance planning and reduce the destruction of crops and other property by bad weather conditions
- Increased awareness of the weather and climate change by Primary and Junior Secondary school students in the projects areas

Impact Activities and results

- Installation of dense network of 28 Automatic Weather Stations (AWS)
- Weather data is gathered in a database and can be retrieved from a web portal
- Interviews with 22 stakeholders to co-create the cocoa value chain for assessing where weather information can be of value
- Business Case Development workshop, resulted in 12 promising business cases
- Interview with teachers to assess the climate education material
- Survey amongst 90 students to assess their interest for weather information and climate education.

