

Showcase

National forest monitoring in Vanuatu

Vanuatu is currently completing the REDD+ (Reducing Emissions from Deforestation and forest Degradation) readiness phase. UNIQUE conducted a tailor made national forest inventory using state-of-the art digital tools. We developed the national forest monitoring system for the quantification of emission reductions from the sector. We trained local teams on the digital technology solutions and ensured the sustainable establishment of REDD+ in the country.

Country
Vanuatu

Period
04/2019 -06/2021

Client
Department of Forestry, Vanuatu

Our digital solutions



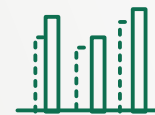
Collect

- Development of a customized data collection app for the needs of the National Forest Inventory
- Integration of app with the database infrastructure at the Department of Forestry
- Training of staff on the use of the data collection app
- Digital maps for navigation in field
- Integrated plausibility checks
- Digital system for verification of species identification in the field



Analyze

- Central database for managing and analyzing data from the inventory and Activity Data
- Consolidation of data from several public sources
- Creation and management of nested REDD+ project
- Analysis of data for user defined areas
- Creating of Activity Data for 2018 and 2008 using satellite imagery
- Training of government staff on land cover analysis
- Calculation of scenarios for Forest Reference Levels on national and sub-national levels
- User management for different government institutions
- Web-Dashboard for sharing forest and environmental data



Monitor & Report

- Visualization of results from national forest inventory and activity data
- Detailed reports at national and island level
- Indicators: biomass, biodiversity, degradation and forest status
- Creation of customized reports per user requirements
- Forest Reference Levels