

# Showcase

## Smallholder carbon credits in Rwanda

The Livelihoods-ARCOS project is a partnership implemented by the NGO Albertine Rift Conservation Society, and the Livelihoods Carbon Fund. Our digital tools enable carbon certification of the project according to Verified Carbon Standard (verra.org/).

The project aims to mitigate land degradation and the negative impacts of climate change on 15,000 hectares of land in Rwanda. The project will plant 3.7 million trees for agroforestry, incl. fruit and wood production on 26,000 smallholder farmers' land. We estimate that the project will sequester 2.3 – 3.5 million tons of t CO<sub>2</sub>e over 20 years.

**Country**  
Rwanda

**Period**  
02/2020 ongoing

**Client**  
Livelihoods Venture

## Our digital solutions



### Collect

- Data collection modules for household-, baseline- and carbon-surveys as well as training and nursery monitoring
- Integrated module for navigation, using offline satellite images and automatic GPS tracking
- Direct synchronization of the data to the server
- Plausibility checks in the field



### Analyze

- Analysis of project relevant KPIs
- Integrated module to calculate carbon stock changes
- Analysis of training and nursery management indicators



### Monitor & Report

- Visualization of project progress
- Indicators: number of farmers registered, crop yield, carbon gain, nursery management quality
- WebGis module to display and analyze farming areas
- Digital platform for project validation and verification