THE REGREENING AFRICA APP

The Regreening Africa App is a mobile-based android application that allows users to collect data at farm level on a range of land restoration practices that allows for robust landscape level monitoring.

Features of the Regreening Africa App

TREE PLANTING MODULE

Tree planting

- Record details of farmers and regreened plot
- Chatacterise species composition and assess tree planting practices
- Track tree growth
- Field boundary recorded
- Number of trees planted
- Date(s) planted
- Location of trees planted
- Survival of trees

FARMER MANAGED NATURAL REGENERATION (FMNR) MODULE

FMNR

- Record details of farmers and regreened plots
- Characterise dominant species composition
- Assess FMNR practices

NURSERY MODULE

Nursery

- Ensuring that farmers have access to quality planting materials and a wide range of species for tree planting
- Record nursery information and location
- Record nursery practices
- Record nursery production

TRAINING MODULE

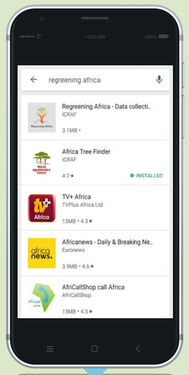
Training

- Record training details
- Record gender participation in training sessions

Why do we need it?

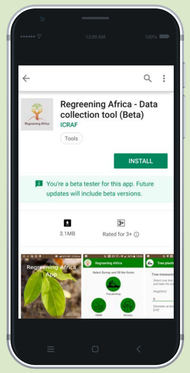
The Regreening Africa App links land restoration activities implemented by farmers and pastoralists to large global initiatives, providing evidence that can positively inform these efforts, whilst simultaneously assessing their effectiveness on the ground.

Locate App

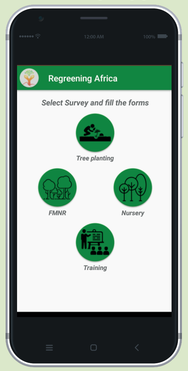


Google Play

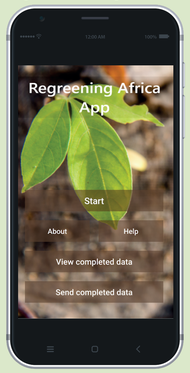
Install App



Start up App



Open survey forms



What is unique about the Regreening Africa app?

The App is a data collection and monitoring tool. The information collected can be integrated into various types of analytics and combined with information on land health and other thematic data.

The App enables stakeholders including farmers to record and track their land restoration practices. The locations of their activities are geo-referenced and species diversity and growth are recorded in real-time.

Data collected through the App is freely and instantly available to the users and various outputs from the synthesis of the data, such as critical land health indicators, are then shared with the public through the Regreening Africa Dashboard.

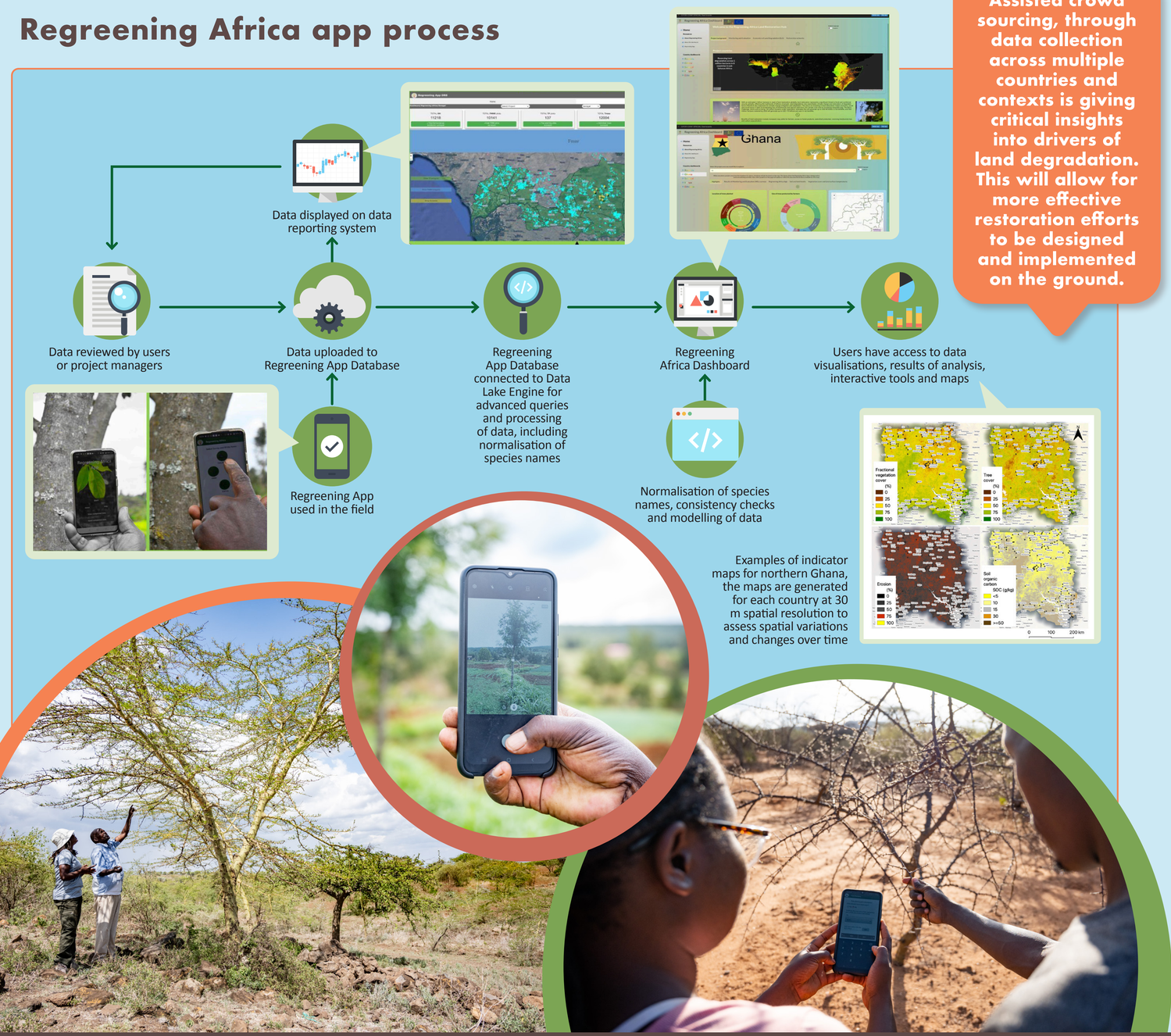
The App is continually updated and the design and interface amended, based on farmers, extension agents and project implementing teams to add requested data and ensure the design and functionality match the user needs.

The Regreening App was developed in close consultation with stakeholders, with continual interaction between the World Agroforestry development team and users.

Project implementors are able to use the data for **real-time decision support in project implementation and monitoring**.

Data collected using the App is combined with **spatial assessment of land health and can be applied in soil carbon monitoring**, relating directly to climate neutrality goals or restoration targets.

Regreening Africa app process



Assisted crowd sourcing, through data collection across multiple countries and contexts is giving critical insights into drivers of land degradation. This will allow for more effective restoration efforts to be designed and implemented on the ground.

Examples of indicator maps for northern Ghana, the maps are generated for each country at 30 m spatial resolution to assess spatial variations and changes over time

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Regreening Africa