### Integrating citizen surveillance and systematic data collection in monitoring of land restoration

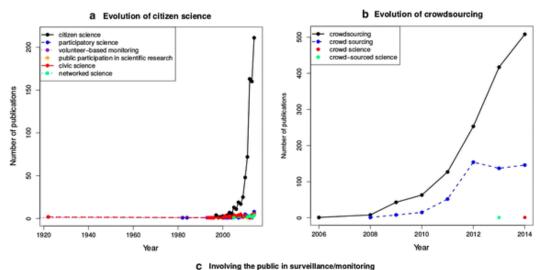
Tor-G. Vågen

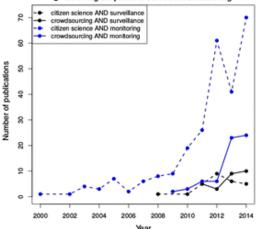






"Citizen surveillance as any type of activity conducted by volunteers, recruited or not, that results in monitoring or surveillance data"





citizen science has become popular in many scientific areas



can be structured or unstructured (i.e. crowdsourcing)

trade-off between data quality and data quantity

Welvaert, M., Caley, P. Citizen surveillance for environmental monitoring: combining the efforts of citizen science and crowdsourcing in a quantitative data framework. SpringerPlus 5, 1890 (2016). https://doi.org/10.1186/s40064-016-3583-5





Structured or systematic data collection and monitoring

more costly

more challenging to scale

data quality high(er)

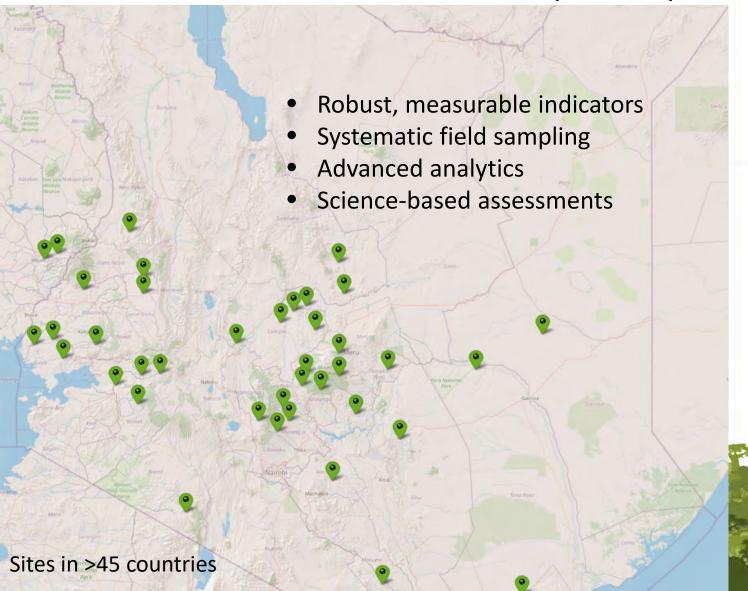








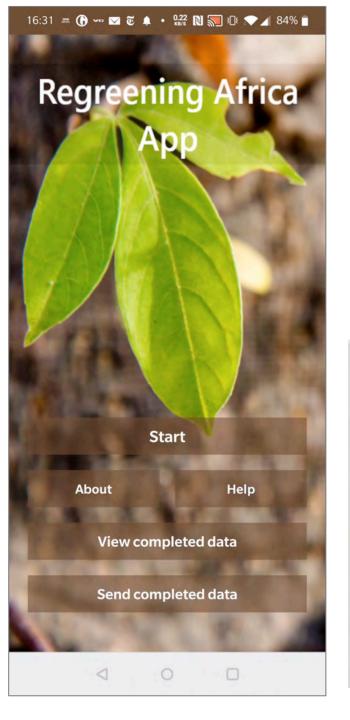
## The Land Degradation Surveillance Framework (LDSF)











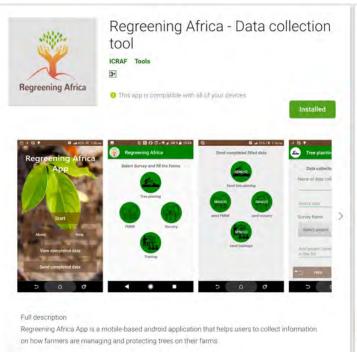
# Citizen science data collection using the Regreening Africa App

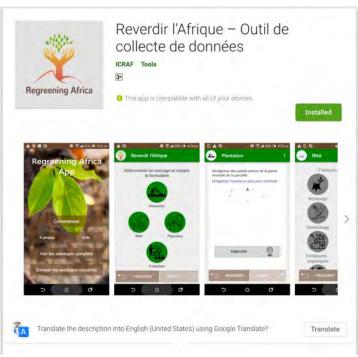
#### Used by (among others):

- Implementing partners
- Scientists
- Extension agents
- Lead farmers
- Nursery managers

#### Modules:

- Tree planting
- FMNR
- Nurseries
- Training

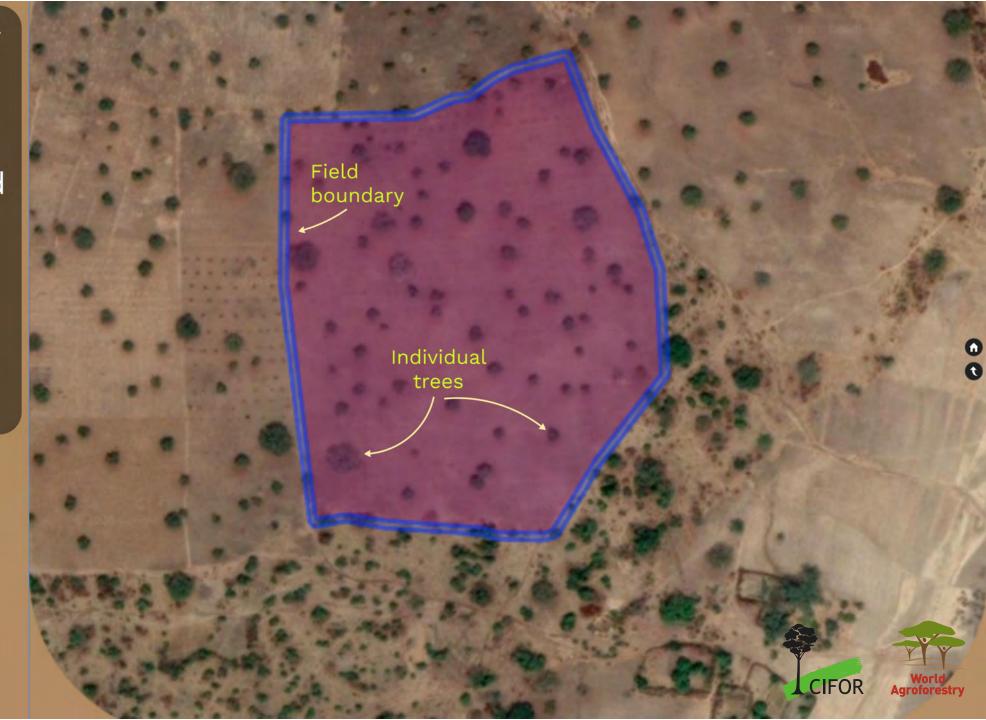


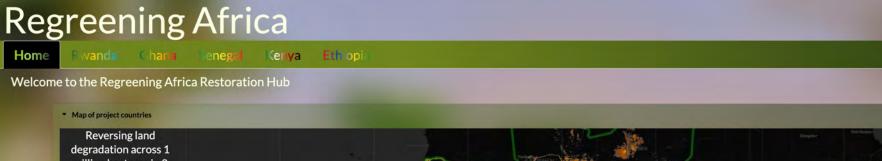






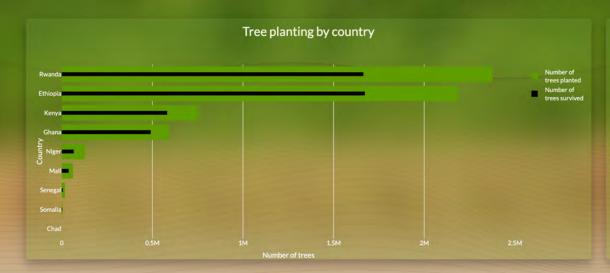
- Field boundary delimited
- Number of trees planted
- Date(s) planted
- Species planted
- Location of trees planted
- Survival of trees

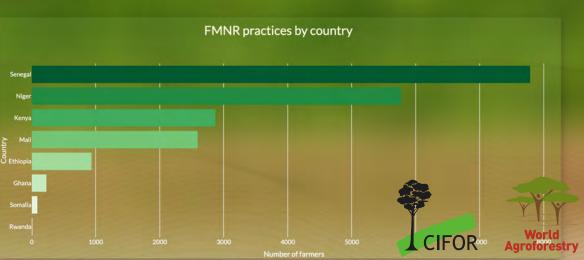






Summary of data collected using the Regreening Africa App across project countries





View this page in French? / Afficher cette page en français?



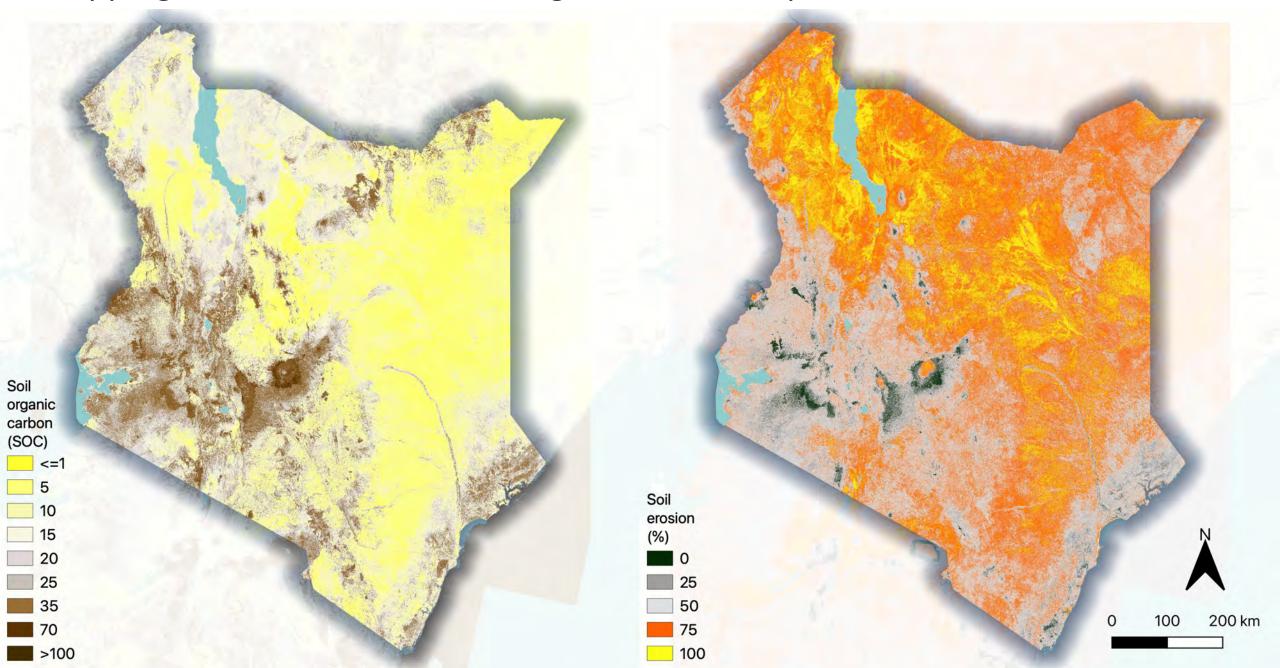
restoration as part of the Regreening Africa Land Restoration Hub

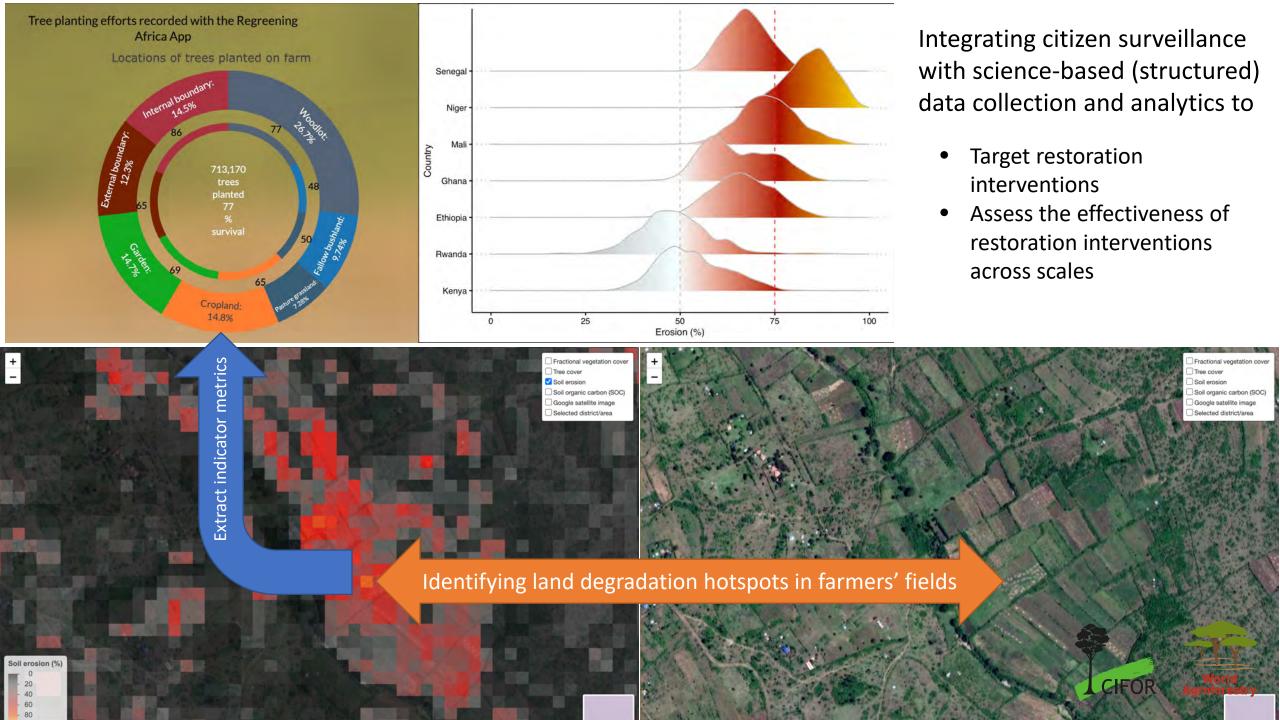
Strucured data collection as part of monitoring and evaluation baseline surveys



Citizen science data collection using the Regreening App

Mapping soil and land health using LDSF data coupled with earth observation





### Thank You!





