

# **LANDMAPP**

FIG Young Surveyors European Meeting June 2016

## In Ghana more than 90% of smallholder farmers live without land tenure security.



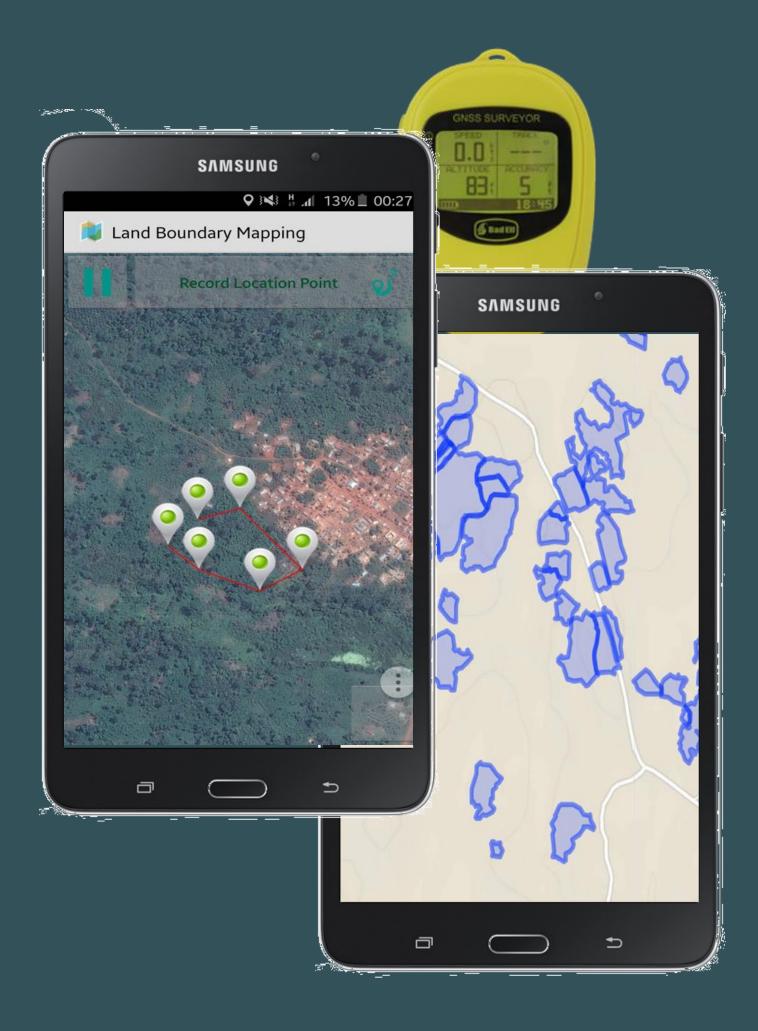


# Landmapp developed a mobile platform to affordably map and document smallholder farms.

# LANDMAPP



# New technology enables us to make professional products and services available for farmers earning less than <\$5/day







#### PROFIL BIDANG PERTANIAN

Lampung, Sumatra, Indonesia

. .

Rincian petani		
Nama	Nurdin	
lenis kelamin	Laki-laki	
anggal lahir	11/7/1960	
sal dari mana	Lahir di sini (Jawa	
eluarga	Menikah, 3 Anak-	
enghasilan		



(6.5

WW

oupaten	Lampung Barat	
cematan	Ngambur	
a	Suka Banjar	
na petan	Nurdin	
gal dipetakan	2015-09-07	

#### Bidang #1 dari 2 (kode 1)

Pemilik tanah, Dibeli dari orang lai

1.862342 hectares, (18623.421352 sg.m

Luas tana

Hubungar

Ketinggian 45 m Topografi Lereng Landai Sertipikat Tidak ada Demerintah



#### FARMER PARCEL PROFILE

Poano, Ashanti Region, Ghana



Name	Afia Tiwaa
Gender	Female
Birthdate	9/7/1947
Family status	Divorced
Origin	Born here

Farmer signature



Parcel 171 🌻 Poano



AT

Land document
Income source(s)
Crops

Land relationship

Cocoa condition Plots Topography Altitude Plot size Collection date Mapper

- Landowner
- No, I don't

Crops

Cocoa, Plantain, Cassava

Medium condition

1 Parcel Flat 253m 3.11 acres

9/8/2015 Ehomah Vincent





Tetangga Utara Tanah pribadi (keluarga): Fuatzen

Tetangga Timur Tanah pemerintah: Jalan desa

Tetangga Seletan Tanah pribadi (keluarga): Bejo handoko

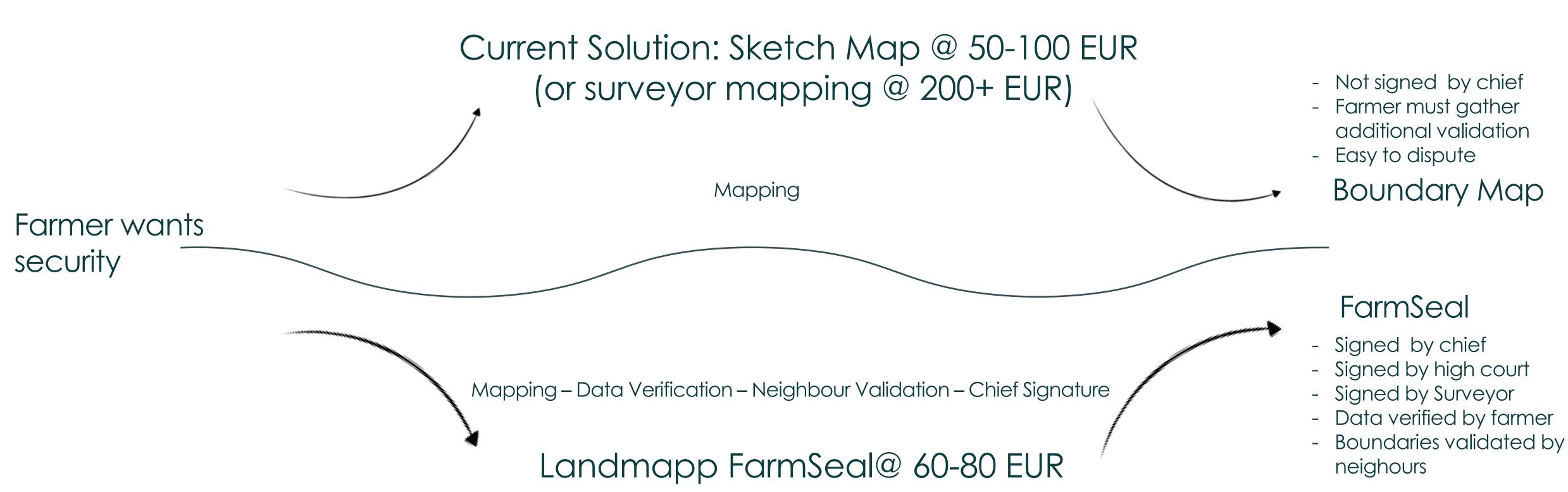
Tetangga Barat Tanah pribadi (keluarga): Naslam



hak hukum dapat diperoleh dari dokumen in



### **PROBLEM** - SECURING PRODUCTIVE LAND IN GHANA







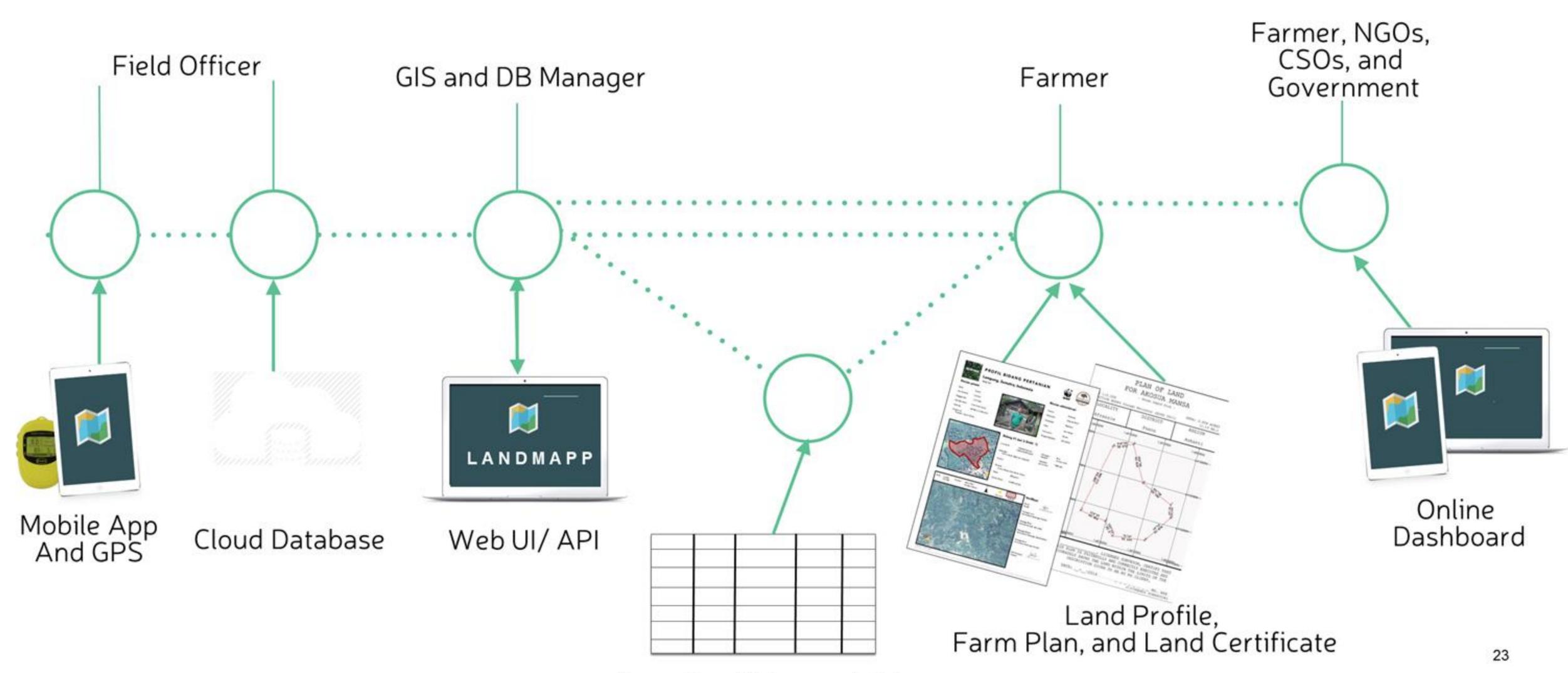








### DATA ARCHITECTURE



Data Scrubbing and QA



MAPPING TRAINING

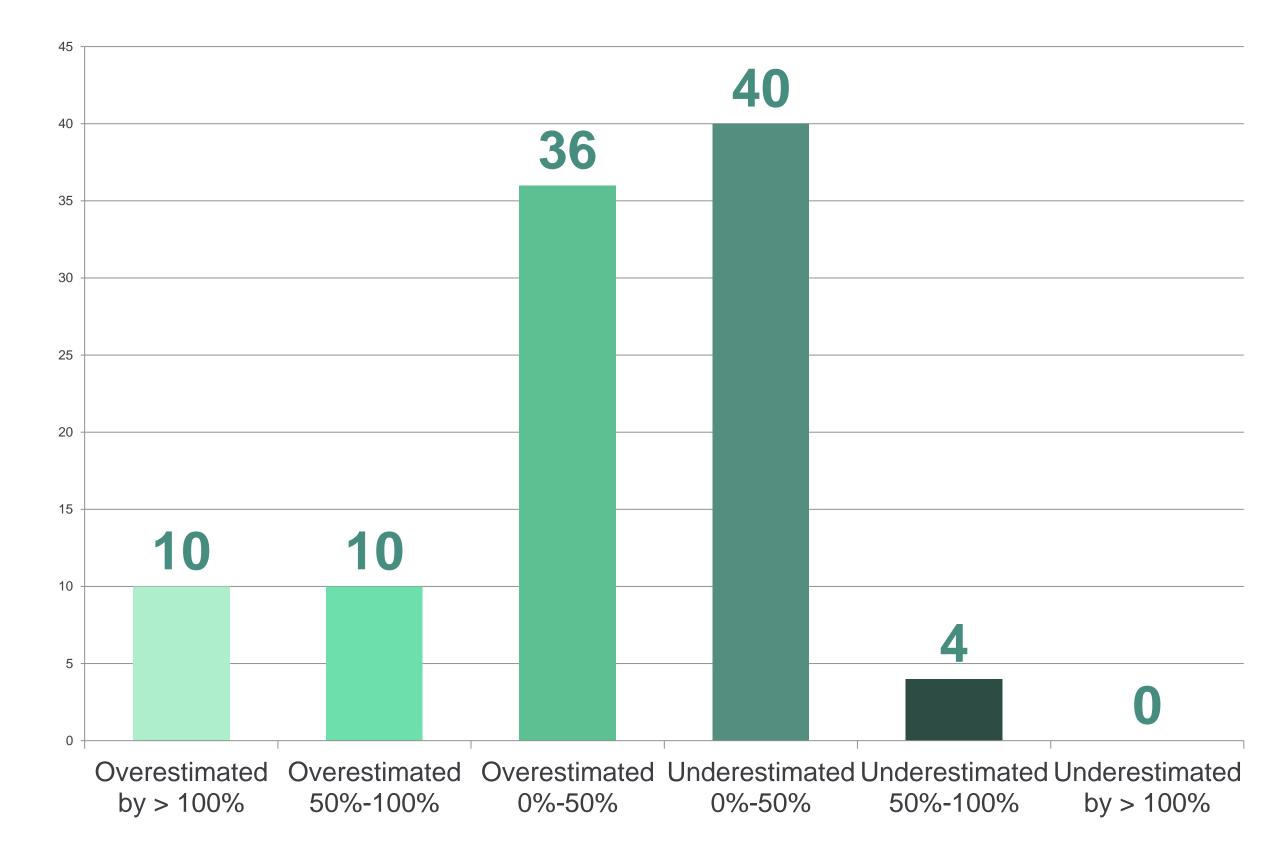


COMMUNITY VERIFICATION



### **HIGHLIGHTS** - FARM MAPPING

## Farmers strongly overestimate or underestimate the size of their land\* \* Data from 108 farm plots in Western Lampung





- Overestimated by > 100%
- Overestimated 50%-100%
- Overestimated 0%-50%
- Underestimated 0%-50%

Overestimated plots: averagely by 62% Underestimated plots: averagely by 27%







Market

Beachhead Market

Ghana land tenure, farmers, buyers

# 1.8 million

Smallholder farmer households

- Overview

90% Of farmers don't have tenure security

> 80% Of chiefs willing to cooperate



3.6 million Farm parcels

> 29 Licensed Buying Companies

### 10k Village buying stations

## 350k Farmers

Servicable obtainable market for Land Certificates

# Market at a glance





### **CONTACT DETAILS**

## Thank you We are looking forward to your questions.



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