

Demonstrating the **AMDS** Application

“Enhancing real-time agricultural data collection and farm management”

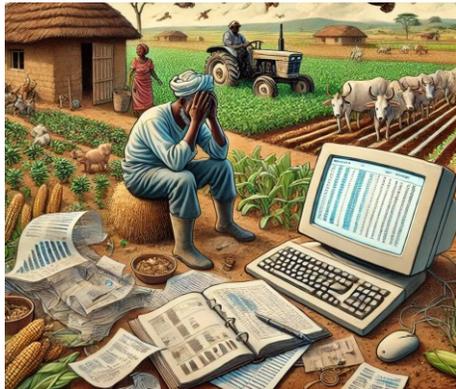


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Problem/Needs analysis

- Agricultural development in the SADC region faces a **critical** shortage of real-time farm and farmer data.

Lack of Farm-level data



Weak National & Regional databases



In-effective decision-making



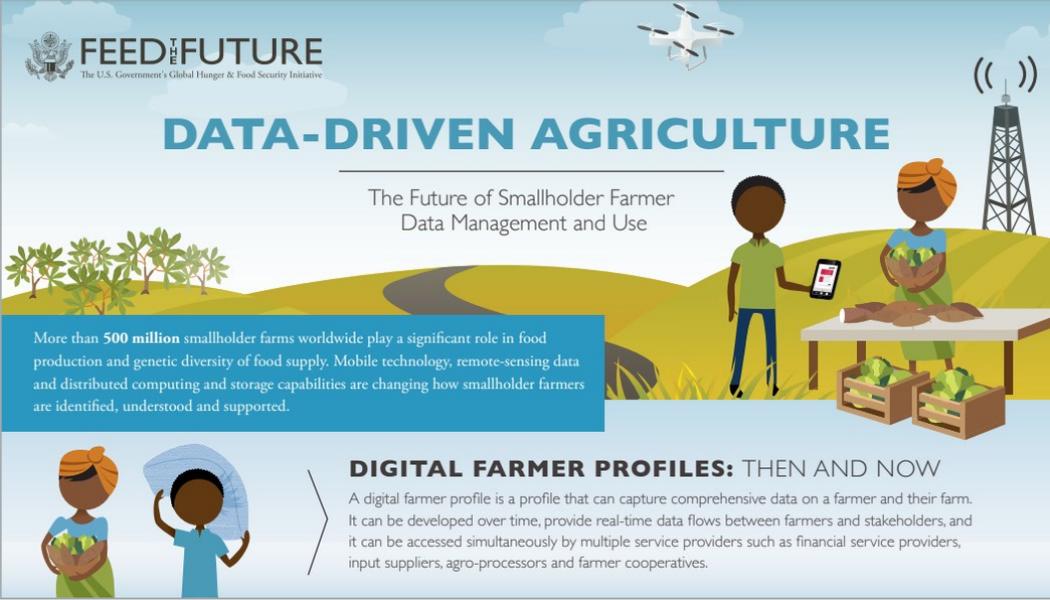
Database-Based Mobile App for Decision-Making



- Farmers
- Extension
- Agri-business
- Research Orgs
- RECS

Enhanced decision-making

The Digital Advantage



FEED THE FUTURE
The U.S. Government's Global Hunger & Food Security Initiative

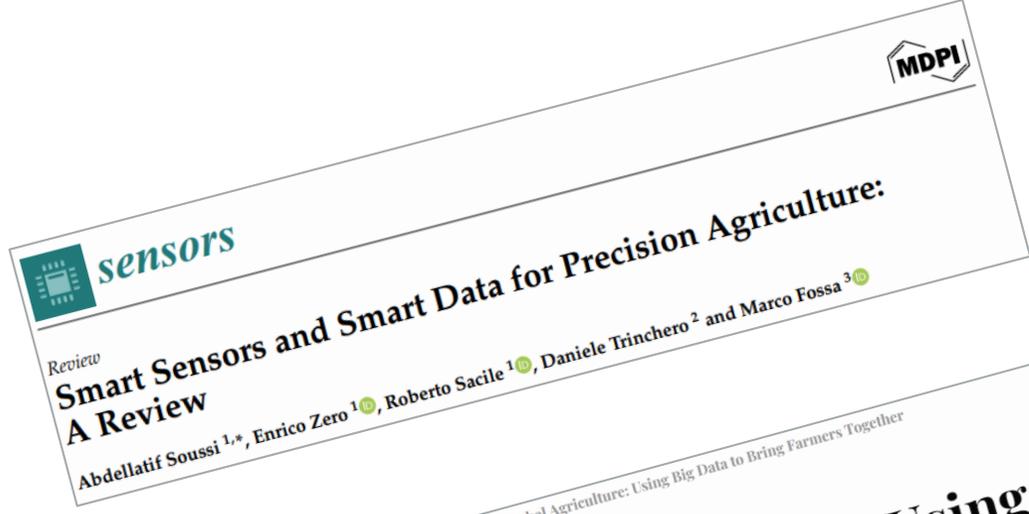
DATA-DRIVEN AGRICULTURE

The Future of Smallholder Farmer Data Management and Use

More than **500 million** smallholder farms worldwide play a significant role in food production and genetic diversity of food supply. Mobile technology, remote-sensing data and distributed computing and storage capabilities are changing how smallholder farmers are identified, understood and supported.

DIGITAL FARMER PROFILES: THEN AND NOW

A digital farmer profile is a profile that can capture comprehensive data on a farmer and their farm. It can be developed over time, provide real-time data flows between farmers and stakeholders, and it can be accessed simultaneously by multiple service providers such as financial service providers, input suppliers, agro-processors and farmer cooperatives.



sensors

Review
Smart Sensors and Smart Data for Precision Agriculture: A Review
Abdellatif Soussi ^{1,*}, Enrico Zero ¹, Roberto Sacile ¹, Daniele Trincherro ² and Marco Fossa ³

MDPI



Home > Sustainable Agriculture > A New Global Agriculture: Using Big Data to Bring Farmers Together

SUSTAINABLE AGRICULTURE

A New Global Agriculture: Using Big Data to Bring Farmers Together



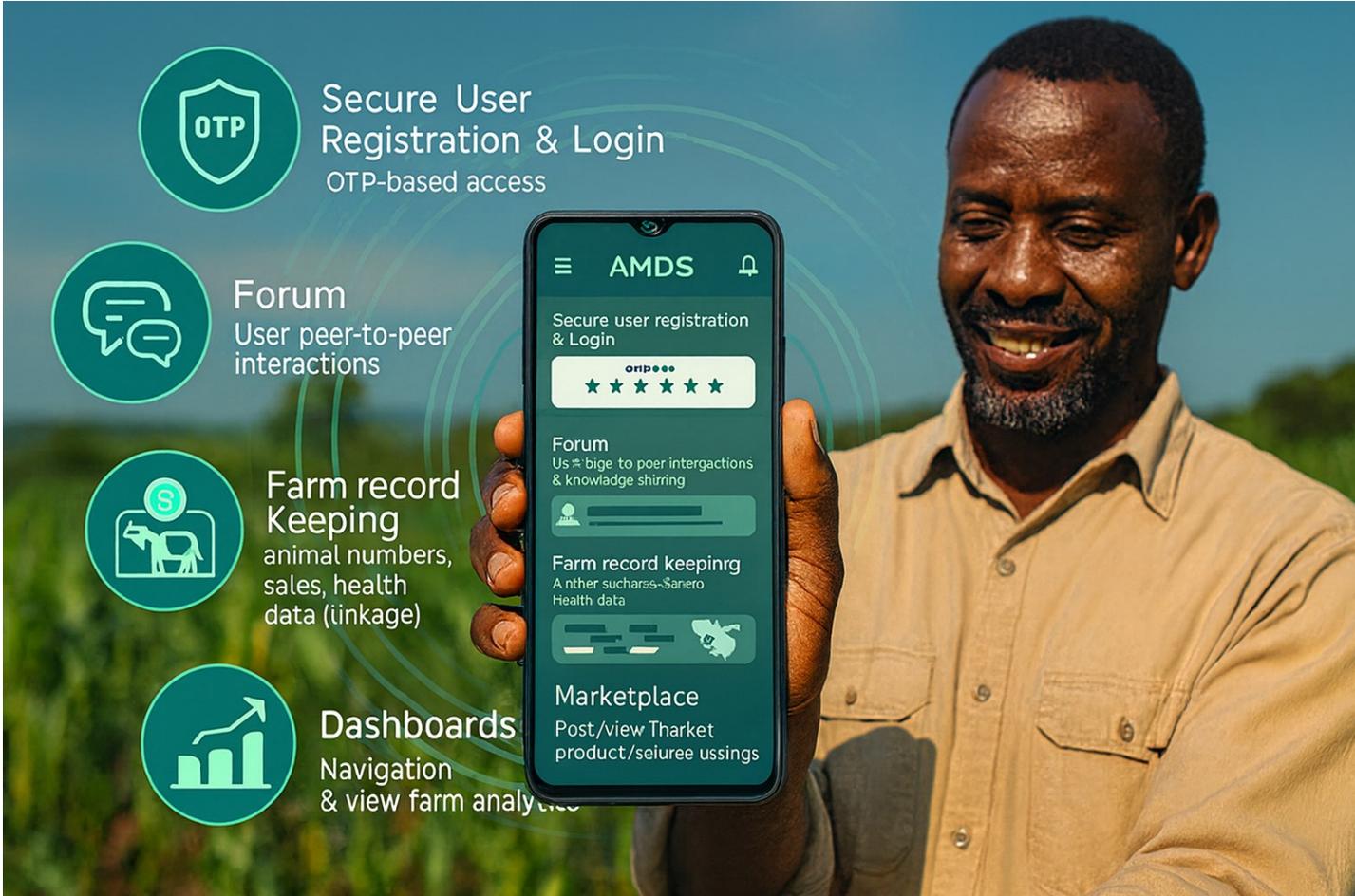
Food and Agriculture Organization of the United Nations

Strengthening digital agricultural extension and advisory services in smallholder farming

Developing the AMDS app

- Initiated the Agricultural Management Database System (AMDS) project.
- The System aims to enhance farm management and enable real-time farm data collection using mobile technology.
- SU partnered with **Warp Development** to build a low-code, clickable and **functional prototype**.
- Today's activity aims to demonstrate the AMDS in an actual operational environment and validate its functionality and prospects

AMDS Interface features



Secure User Registration & Login
OTP-based access

Forum
User peer-to-peer interactions

Farm record Keeping
animal numbers, sales, health data (linkage)

Dashboards
Navigation & view farm analytics

AMDS

Secure user registration & Login

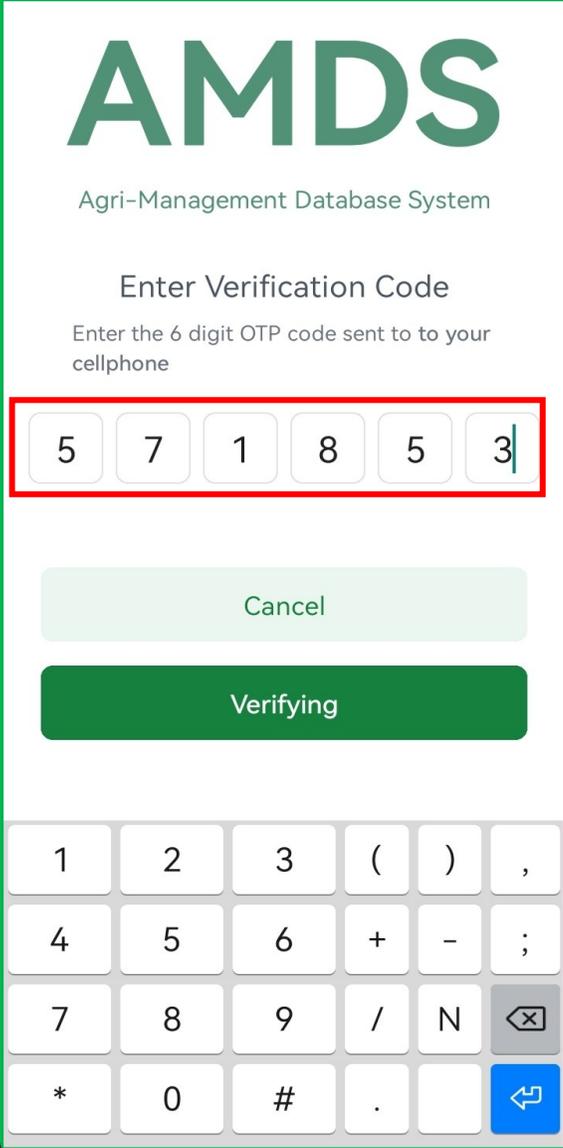
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Forum
User peer-to-peer interactions & knowledge sharing

Farm record keeping
Animal numbers, sales, health data

Marketplace
Post/view Market product/seiuree ussings

Accessing the tester app, Download & Install



AMDS
Agri-Management Database System

Enter Verification Code

Enter the 6 digit OTP code sent to to your cellphone

5 7 1 8 5 3

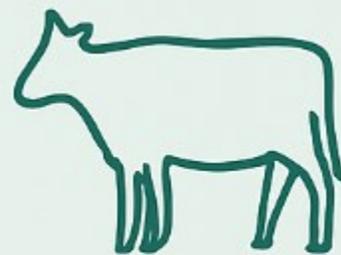
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Verifying

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❖ Verify and complete pre-registration to access AMDS

LET'S DEMO THE APP!



AMDS