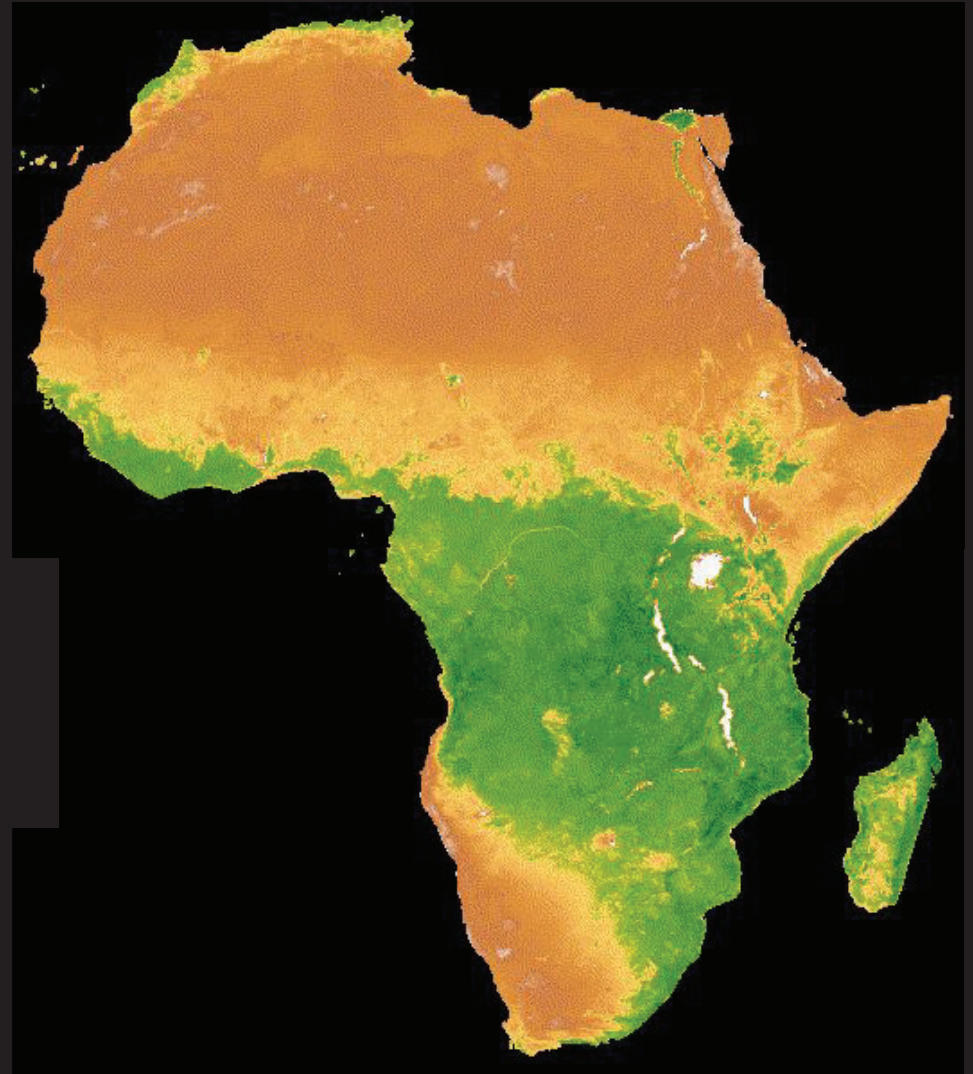# One Map

Unlock the economic power of agriculture through a global, interoperable digital map

Resilient, global food systems are necessary to sustain humanity and the planet.

To meet this challenge, new forms of agile, responsible, data-driven collaboration are urgently needed.

Our partners

The problem

- Data-driven solutions are urgently needed to shift food systems, but data remain siloed and the sector fragmented.
- Recent years have seen an erosion of trust in data, digital technologies, and virtually all institutions, that hinders collaboration.

Our approach

- New approaches to individual agency and dynamic informed consent can unlock the power of data to help drive these transformations.
- Responsible data, computational power, and creation of foundational data assets will provide potent new tools for food system transformation.
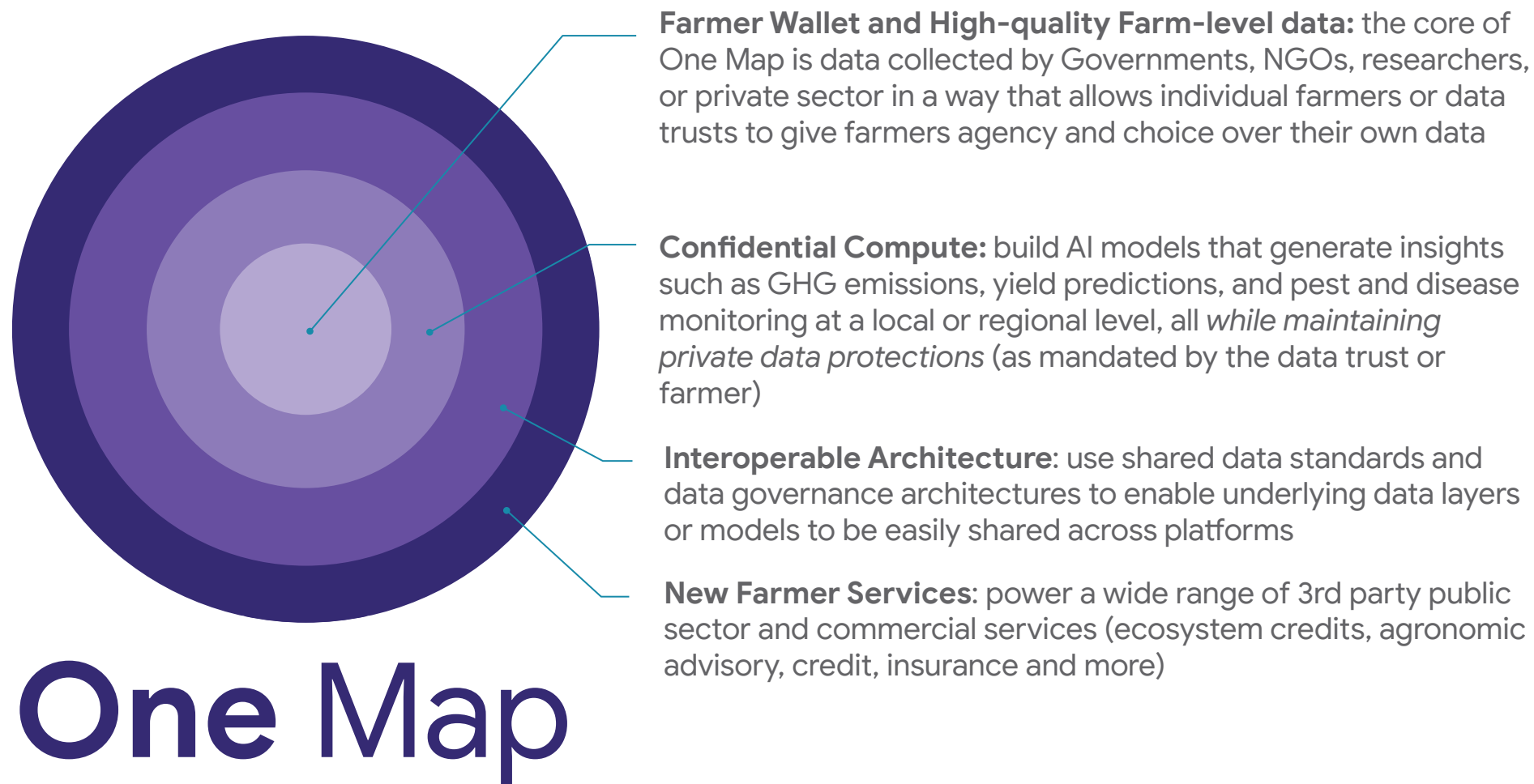
The impact

- Meaningful data-driven services can reach even the most vulnerable populations **while protecting individual data.**
- Dynamic, large-scale analytics can help predict food system shocks and help enable agile new collective actions.

How One Map Unlocks New Services for Farmers

During the summit we will showcase the power of creating an open data architecture and data standards for agriculture as well as the key elements to make this rapidly replicable across geographies, partner types, and services to farmers
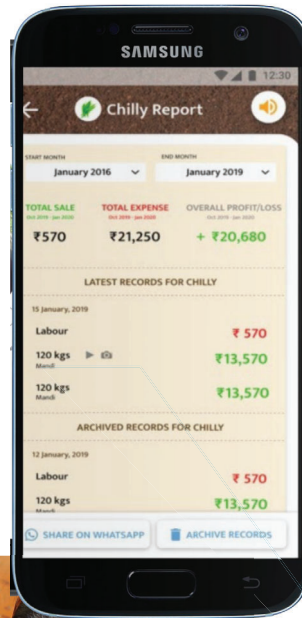
Farmer Wallet and High-quality Farm-level data: the core of One Map is data collected by Governments, NGOs, researchers, or private sector in a way that allows individual farmers or data trusts to give farmers agency and choice over their own data

Confidential Compute: build AI models that generate insights such as GHG emissions, yield predictions, and pest and disease monitoring at a local or regional level, all *while maintaining private data protections* (as mandated by the data trust or farmer)

Interoperable Architecture: use shared data standards and data governance architectures to enable underlying data layers or models to be easily shared across platforms

New Farmer Services: power a wide range of 3rd party public sector and commercial services (ecosystem credits, agronomic advisory, credit, insurance and more)

One Map

What's in it for **Farmers?**

Decision Support

Banks

Ecosystem Service Payments

Government Policies

Traders & Buyers

Farmer Data Wallet

Targeted **Advisory**

Data unlocks new opportunities for farmers

Farmers record
practice **data**

**Government
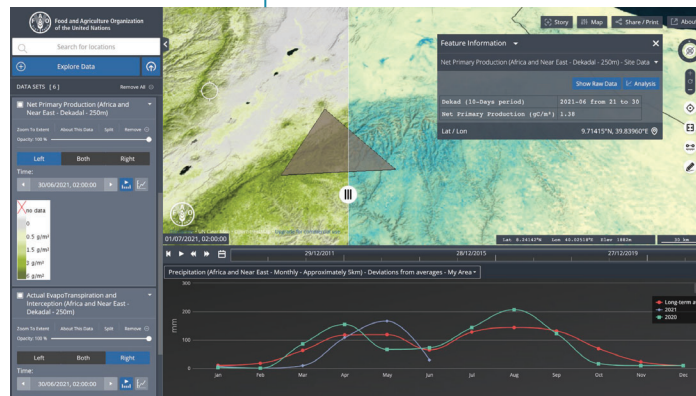extension agents**
verify **data**

High Quality Ground Truth to Build Scalable Geospatial Models that Can be Shared Cross-Platform for Nature Positive Farmer Solutions
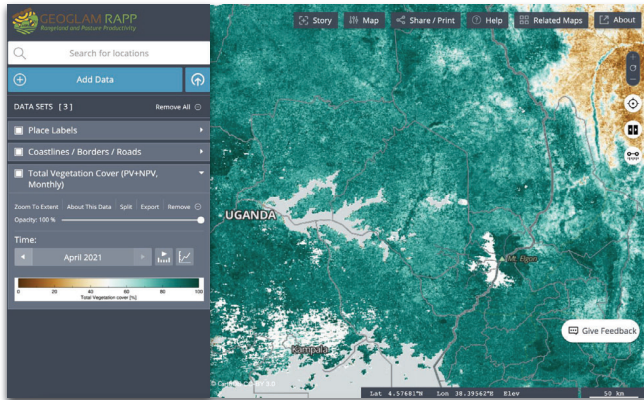
Tools for sharing data layers (e.g., vegetation cover and NDVI anomalies)
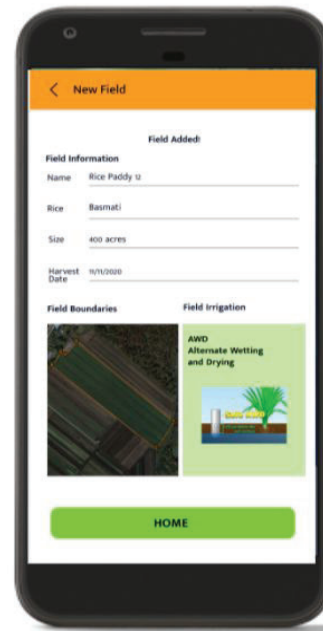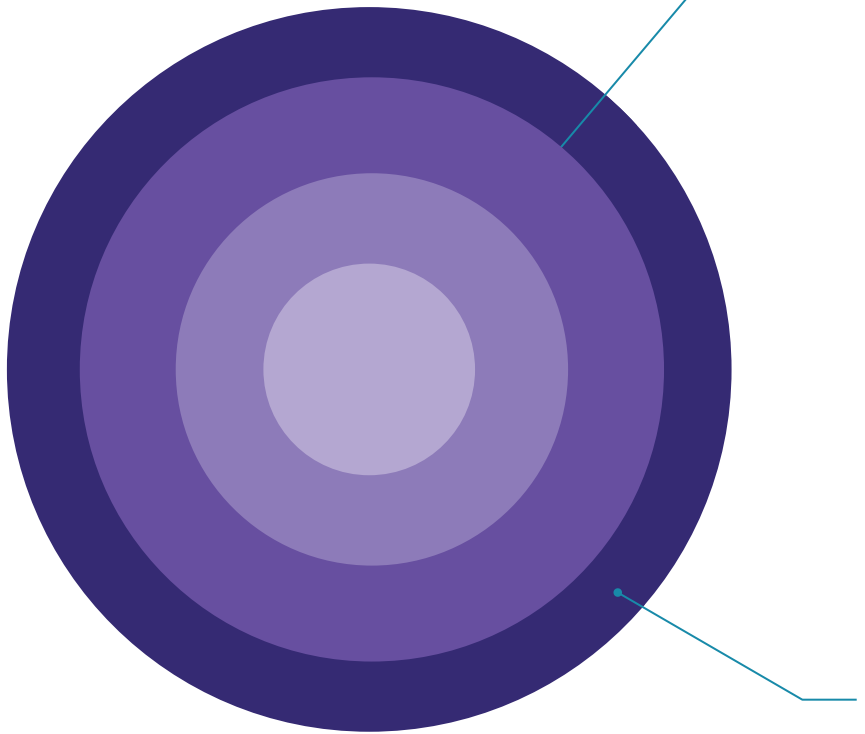Source: GEOGLAM
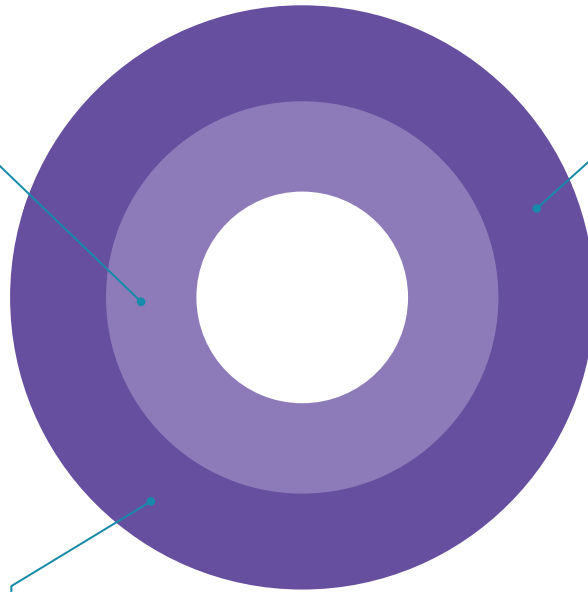
Tools to model yield predictions for different crop types across countries (e.g. South Africa)
Source: Mineral (X)

Tools for Analysis (e.g., Near Real-Time Net Primary Production vs Actual EvapoTranspiration and Interception vs Precipitation anomalies)
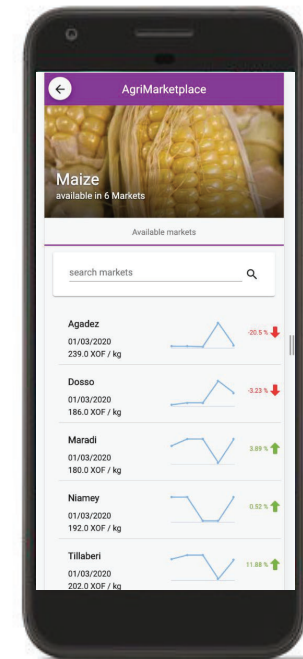Source: FAO

One Map

Create New Services that Benefit Farmers

Tools that give agency to unlock premium buyers & ecosystem credits
SOURCE: Digital Green, Farmer Wallet

Digital Green

Tailored market information and agronomic advisory in Rwanda
Source: UN FAO

Food and Agriculture Organization of the United Nations

One Map