The Business Case For Data Systems

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**Development Gateway:
An IREX Venture**

Ecosystem Building Through Data Sharing

A Case Study from Nigeria

Data and Digital for stronger, accountable institutions

Our work in data and digital governance ensures that governments and development partners have **the right data, the right tools, and the right systems** in place to inform decision-making and meet key objectives.

We believe that data governance processes within decision-making bodies should be multistakeholder-led, inclusive, participatory, transparent, and accountable.

DG's Agriculture Portfolio

A Livestock Information Vision for Ethiopia (aLIVE)
Interoperability between MoA's livestock data systems with extensive data governance and government ownership

Visualizing Insights on Fertilizer for African Agriculture (VIFAA)
working with public and private sector to strengthen data collection, analysis, and use of fertilizer data across Africa

Soil Nutrient Roadmap (SNR)
interoperable, data-driven platform for coordinated action and policy, regulatory, and investment decisions for national-level soil nutrient roadmaps

ProCashew
Cashew data collection and analysis system (Cashew-IN) to expand and improve existing data-sharing systems focused on production, trade, and processing.

IFAD Digital Advisory Support (DAS)
Provide IFAD programs with advisory on how to scale digital solutions through cutting-edge digital topics and fit-for-purpose national policies

How can we move from building programs to building systems?

*And more importantly — what's stopping us, and **what could become possible if we did?***

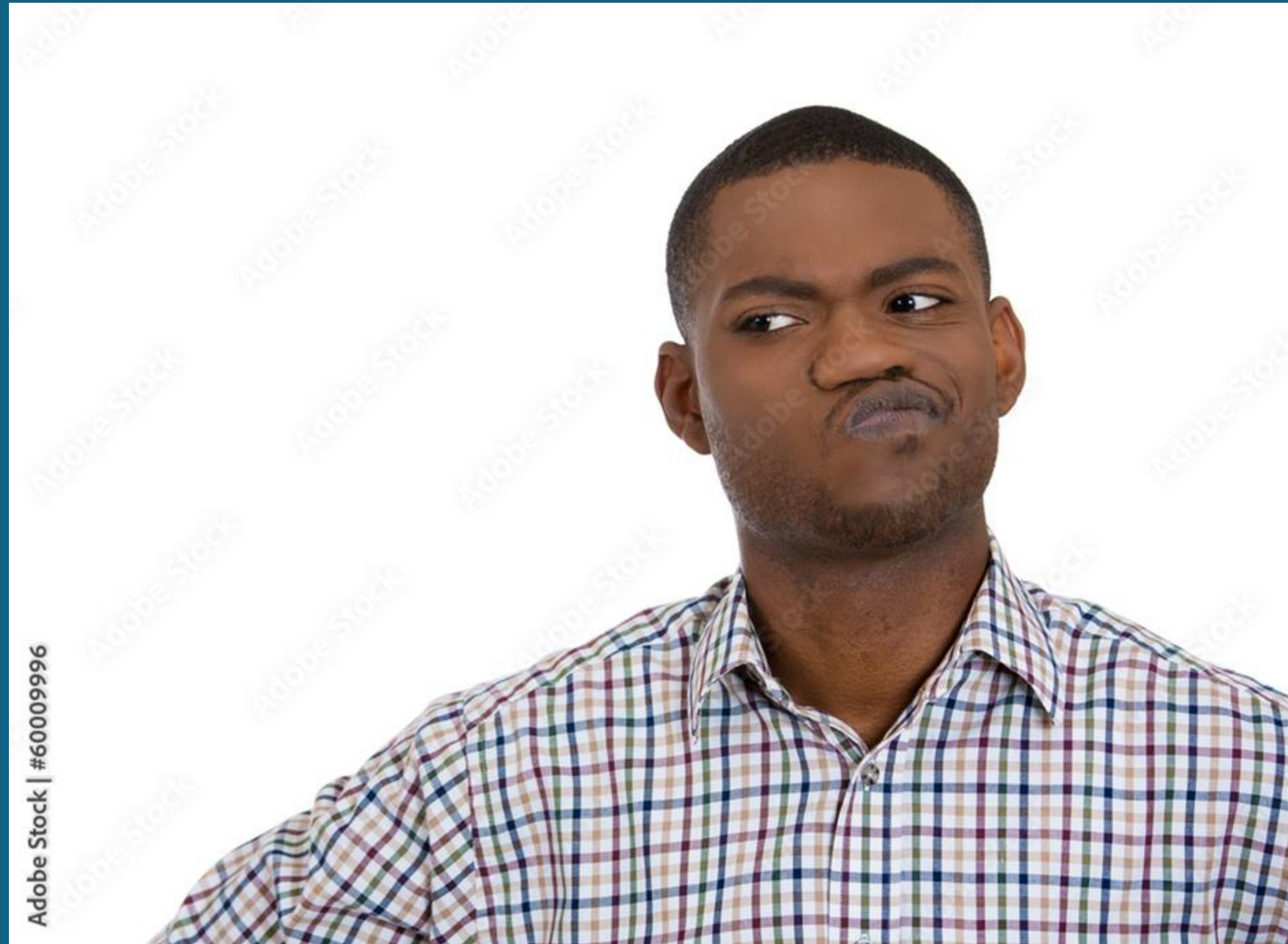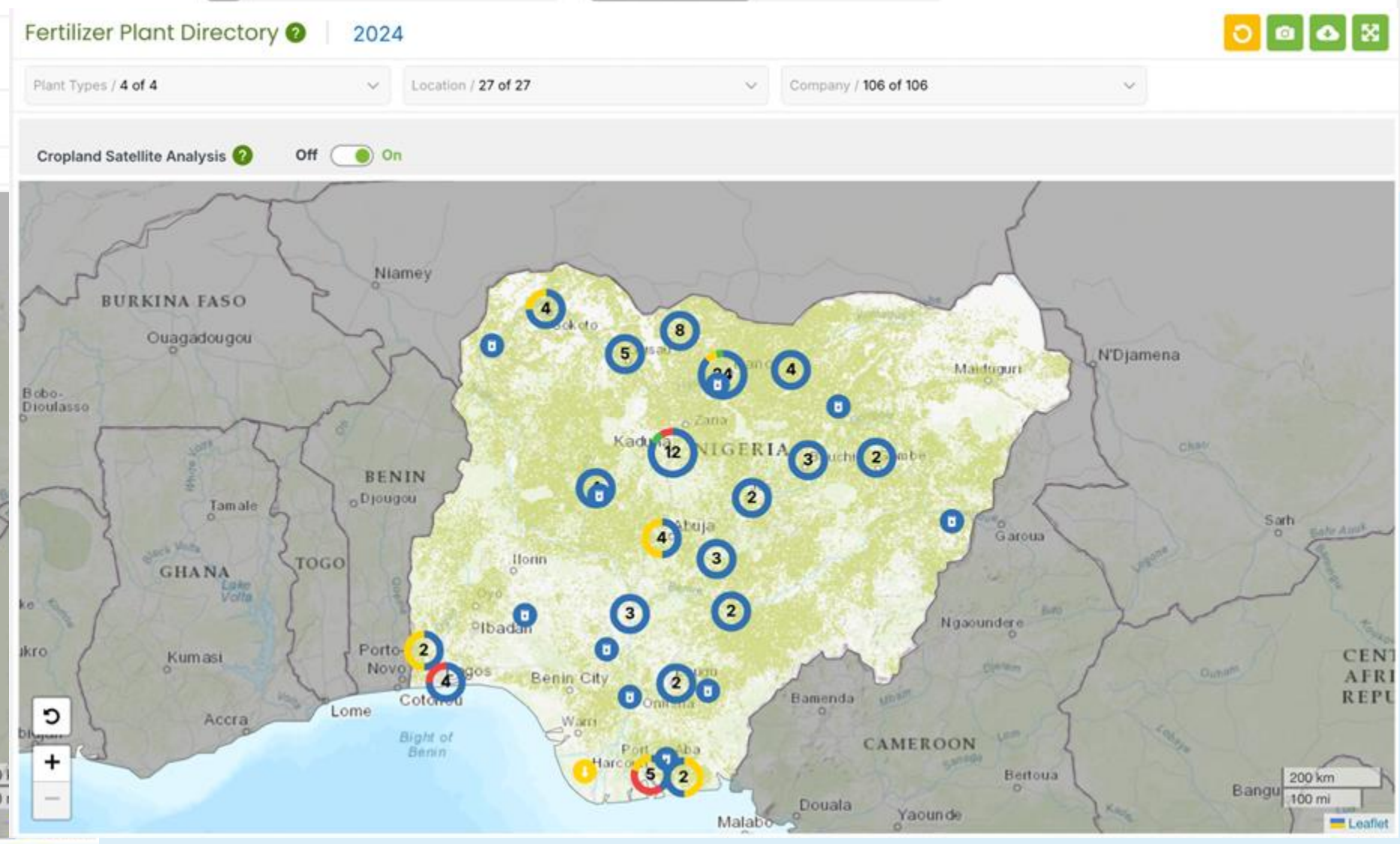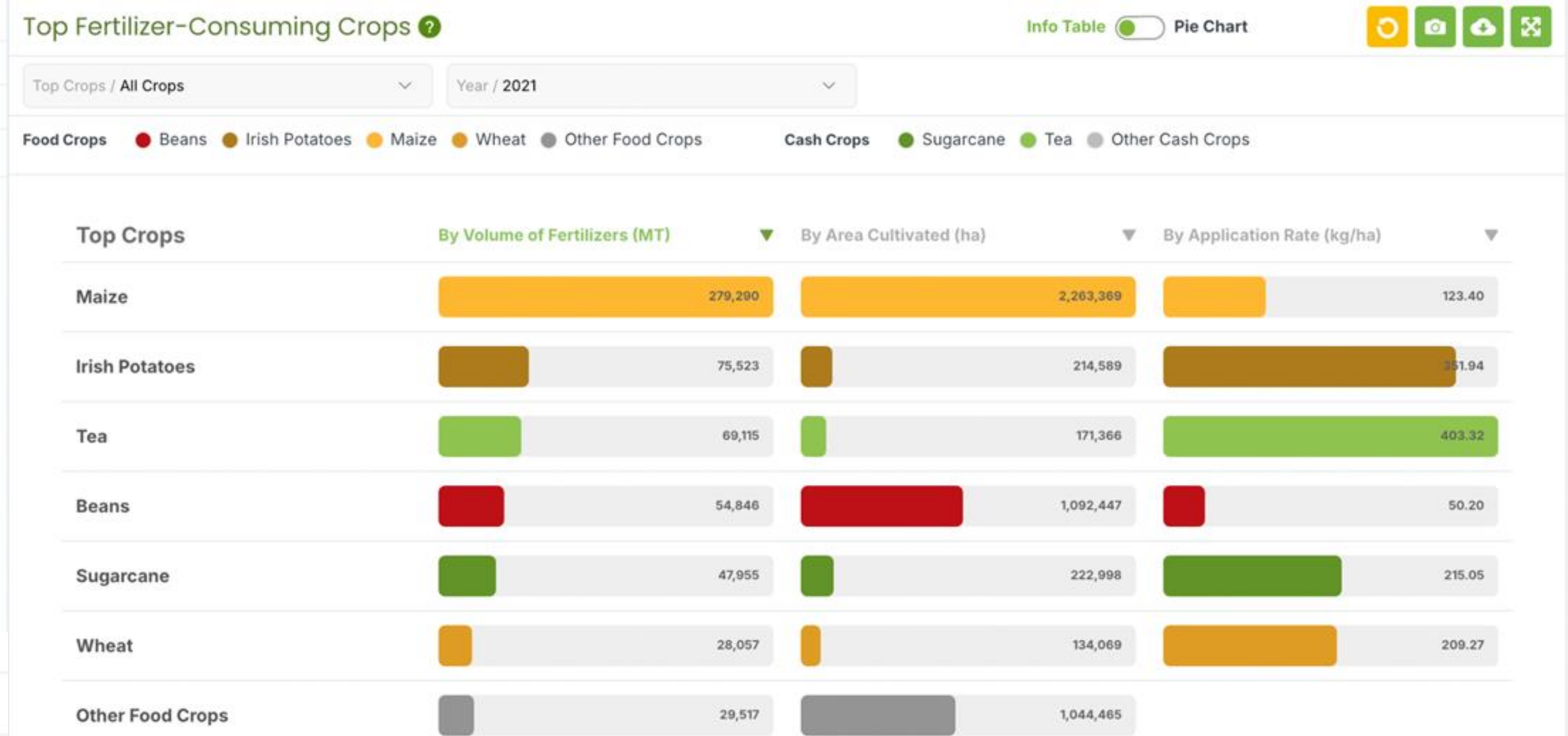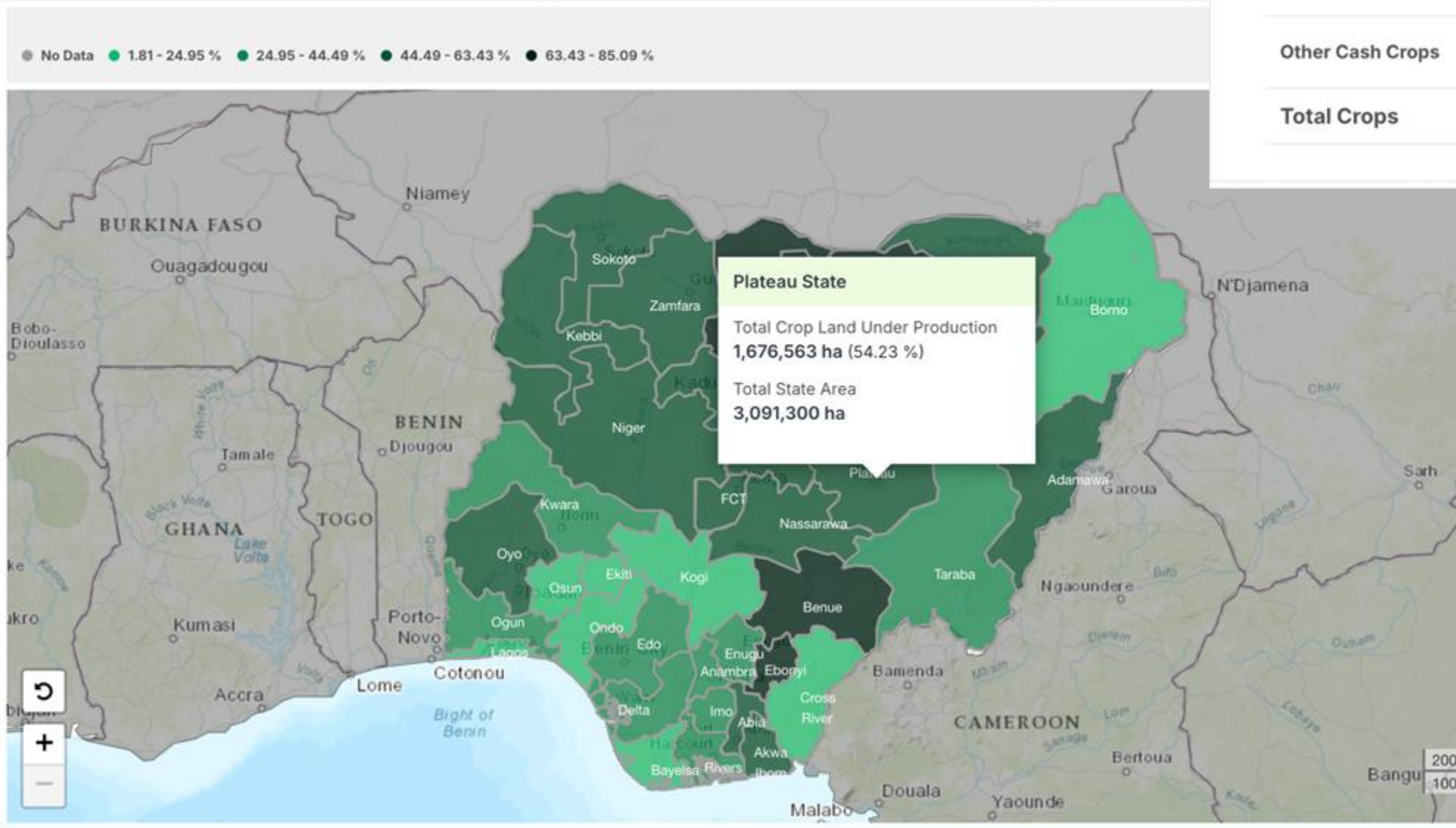# From Fragmentation to Systems-Level Interoperability
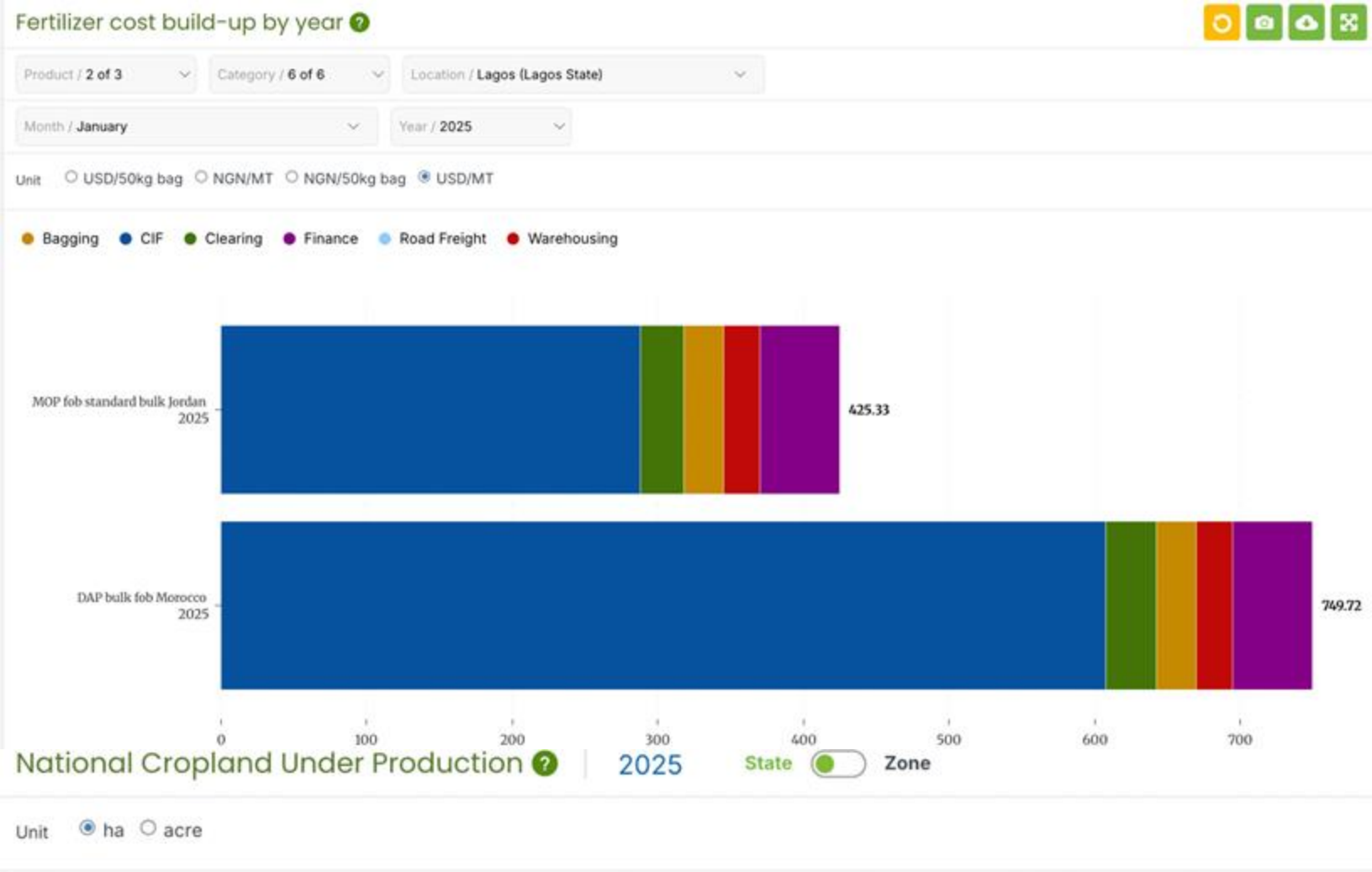
➢ Who can enable safe and productive data sharing?

➢ Who holds the data, and who ensures it's used for collective benefit?

Nigeria's Fertilizer Sector

Fertilizer cost build-up by year

Product / 2 of 3 | Category / 6 of 6 | Location / Lagos (Lagos State)
Month / January | Year / 2025

Unit: ○ USD/50kg bag ○ NGN/MT ○ NGN/50kg bag ● USD/MT

● Bagging ● CIF ● Clearing ● Finance ● Road Freight ● Warehousing

MOP fob standard bulk Jordan 2025 — 425.33

DAP bulk fob Morocco 2025 — 749.72

0 100 200 300 400 500 600 700

National Cropland Under Production | 2025

State ⬤ Zone

Unit: ● ha ○ acre

● No Data ● 1.81 - 24.95 % ● 24.95 - 44.49 % ● 44.49 - 63.43 % ● 63.43 - 85.09 %

Plateau State

Total Crop Land Under Production
1,676,563 ha (54.23 %)

Total State Area
3,091,300 ha

Top Fertilizer-Consuming Crops

Info Table ⬤ Pie Chart

Top Crops / All Crops | Year / 2021

Food Crops ● Beans ● Irish Potatoes ● Maize ● Wheat ● Other Food Crops
Cash Crops ● Sugarcane ● Tea ● Other Cash Crops

Top Crops	By Volume of Fertilizers (MT) ▼	By Area Cultivated (ha) ▼	By Application Rate (kg/ha) ▼
Maize	279,290	2,263,369	123.40
Irish Potatoes	75,523	214,589	351.94
Tea	69,115	171,366	403.32
Beans	54,846	1,092,447	50.20
Sugarcane	47,955	222,998	215.05
Wheat	28,057	134,069	209.27
Other Food Crops	29,517	1,044,465	
Other Cash Crops			
Total Crops			

Fertilizer Plant Directory | 2024

Plant Types / 4 of 4 | Location / 27 of 27 | Company / 106 of 106

Cropland Satellite Analysis Off ⬤ On

Thank you!