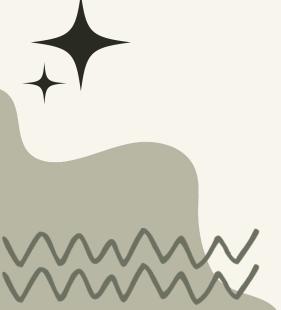
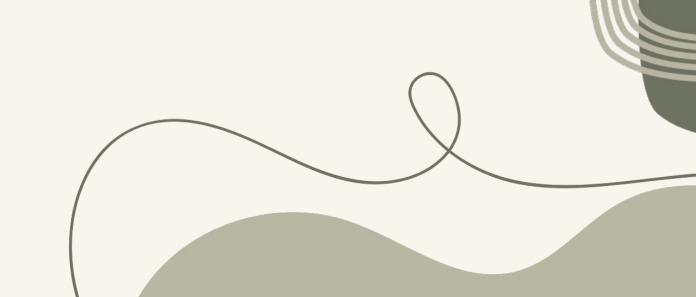
## Presentation on Monitoring of Food + Security in Karamoja







## Context:

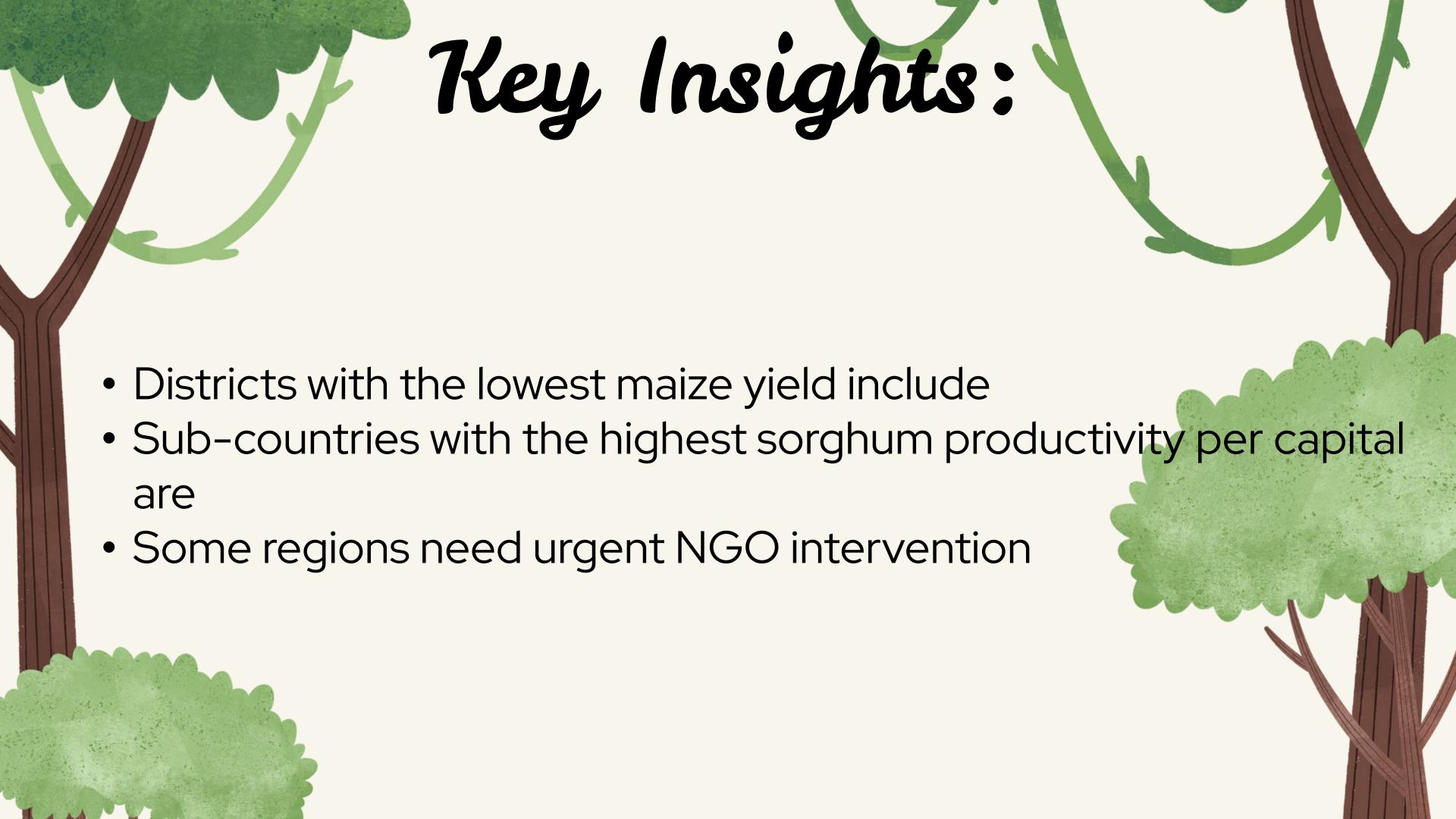
Karamoja, a semi-arid region in northeastern Uganda, faces chronic food insecurity, with 45% of its 1.3 million people experiencing crisis-level or emergency-level food shortages as of mid-2024, driven by erratic rainfall, prolonged droughts, cattle rustling, and high poverty rates. Over 112,000 children and pregnant women require urgent malnutrition treatment, exacerbated by poor dietary diversity and limited access to food markets.

• The purpose of this project is to visualize crop yield using satellite data



## Data Sources;

- Satellite yield estimates
- Population and crop area tables
- Shspefiles for districts and sub-counties



## Business Recommendation:





- Monitor enhancements for improvement
- Diversify the type of crops cultivated







- Explore multi-year datasets for trend analysis and climate correlations using precipitation data.
- Integrate API for real-time X posts on pest outbreaks in Karamoja for dynamic alerts.
- Potential impact ie better resource allocation, reducing food insecurity by identifying emerging gaps early.

