ActivityInfo

From LogFrame to Database

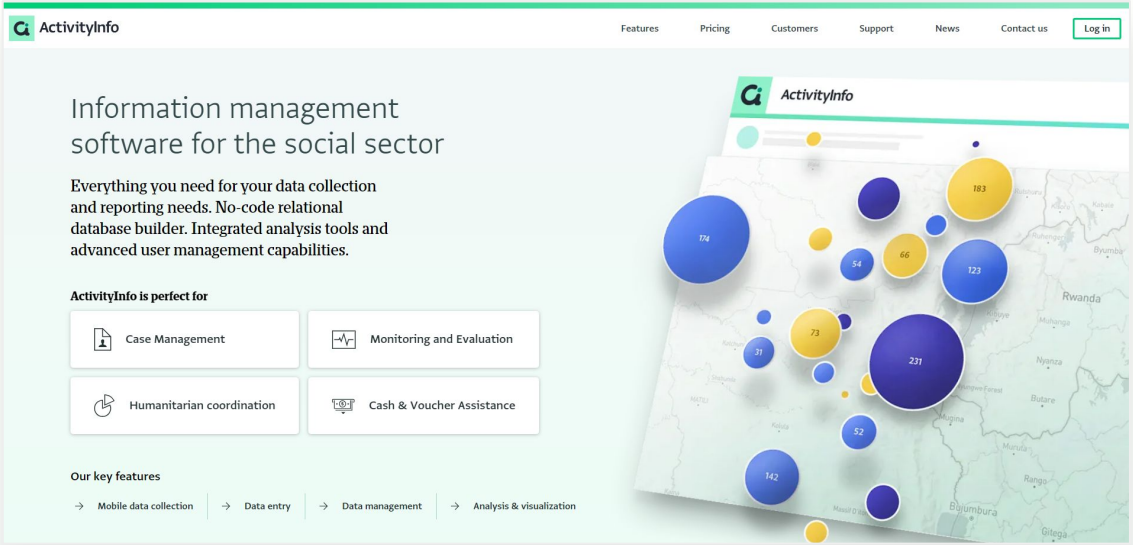
Data analysis and Reporting

Starting shortly, please wait!

Presented by the ActivityInfo Team

All in one information management software for humanitarian and development operations

- Track activities, outcomes
- Beneficiary management
- Surveys
- Work offline/online



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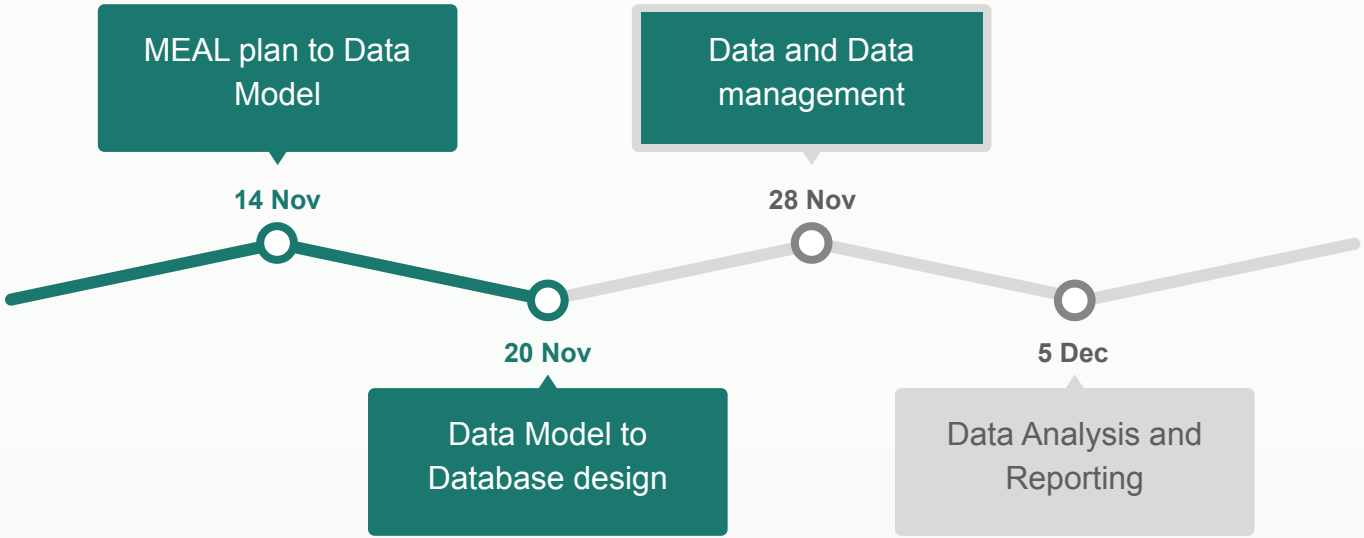
From Logframe to Database



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Meet your instructors

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Senior Implementation Specialist
BeDataDriven

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Implementation Specialist
BeDataDriven

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Outline

Overview of the Previous Sessions

Food for Progress Project - USDA

PARTNERS of the AMERICAS
Connect • Serve • Change Lives

Who

Developing countries and emerging democracies

What

Modernize and strengthen the agricultural sector

How

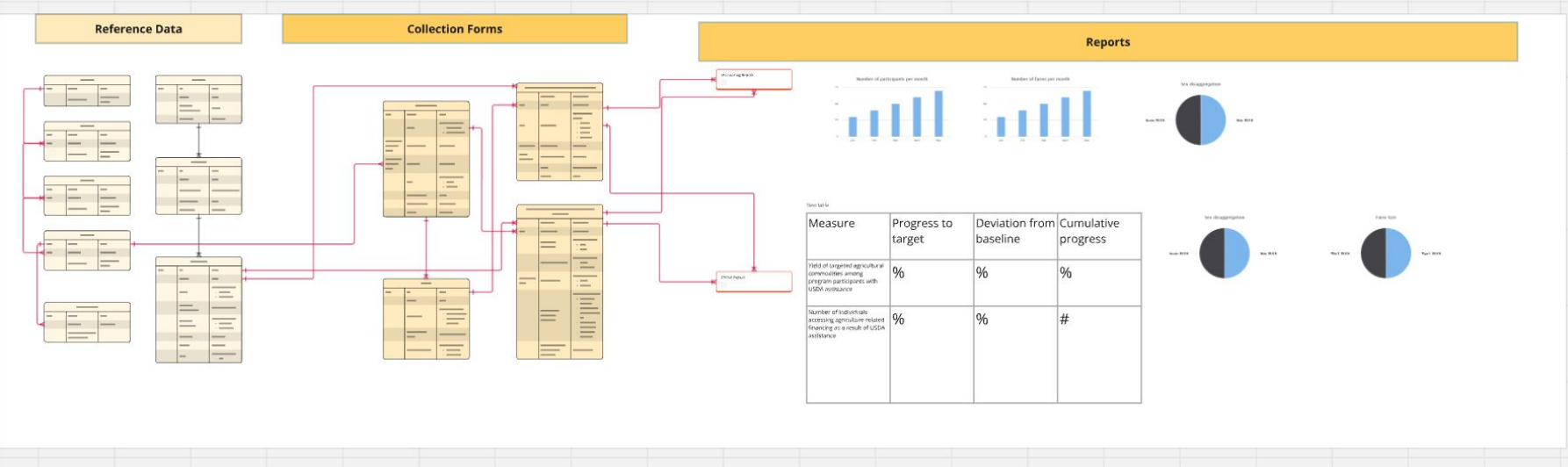
Donated agricultural commodities are sold on the local market and the proceeds are used to support agricultural, economic, or infrastructure development programs.

Overview of MEAL Plan

	Indicators	Calculation	Responsibilities	Data Use
SO 1	Yield of targeted agricultural commodities among program participants with USDA assistance	Yield per hectare=Total Production (PT) / Total Production Units (PU) PT: Metric tons (tm) PU: Hectares (ha) Dis: Farm size, gender, age	Field staff collect shortly after harvest targeting the primary recipient using quantitative surveys Sample based on farm records. MandE specialist responsible for analysis and reporting	Donor reporting on annual basis
IR 1.1	Number of individuals accessing agriculture related financing as a result of USDA assistance	Unique count of individual farmers, cooperatives, suppliers, SMEs access financing (i.e. borrowing in cash or kind, official loans, non borrowing such as leasing	Field staff identify all individuals and organizations and collect basic information. They assess whether participants accessed funding during the reference year via structure questionnaires. MandE specialist responsible for analysis and reporting	Internal Monitoring on monthly basis

Data Model

Reference data → Collection forms → Reports



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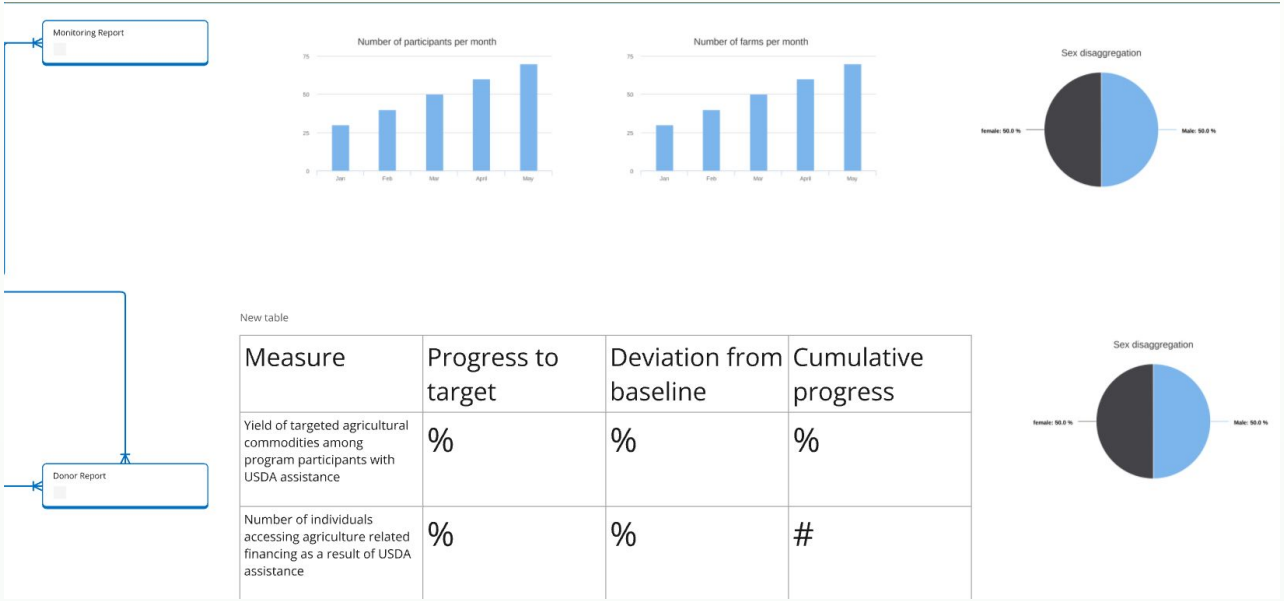
Data Model

Reports



New table

Measure	Progress to target	Deviation from baseline	Cumulative progress
Yield of targeted agricultural commodities among program participants with USDA assistance	%	%	%
Number of individuals accessing agriculture related financing as a result of USDA assistance	%	%	#

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Are we ready to Analyze the Data?

Define Clear Objectives

- ❏ **Understand Your Goals:** What do you want to achieve with your analysis?
- ❏ **Align with Program Objectives:** Ensure your analysis supports your overall project goals.

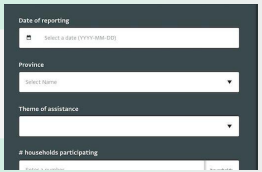
Ensure Data Preparedness

- ❏ **Data Quality:** Verify that your data is accurate, complete, and consistent.
- ❏ **Data Organization:** Organize your data in a way that facilitates analysis.

From Data to Insights: The Analytical Journey

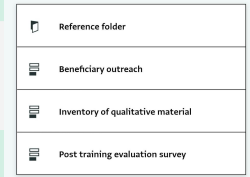
Data Analytics Process

01



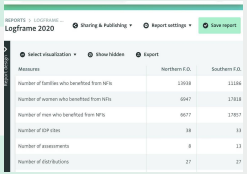
Data Collection

02



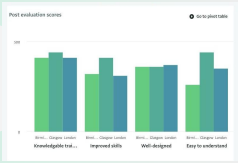
Data Preparation

03



Data Analysis

04



Data Visualization

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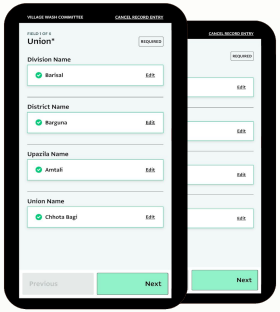
Key Considerations for Data Collection



01 Relevance

02 Accuracy

03 Timeliness

04 Ethical Practices

05 Methodology

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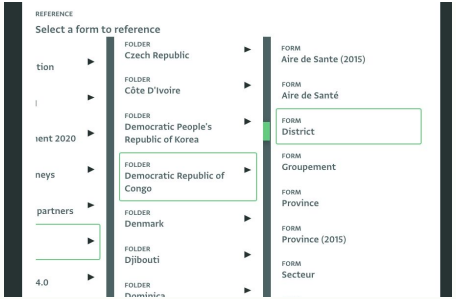
Key Considerations for Data Preparation

01 Data Cleaning

02 Data Transformation

03 Data Integration



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Key Considerations for Data Analysis

01 Descriptive Statistics

02 Comparative Analysis

03 Correlation Analysis

04 Use of Tools

05 Interpretation

Age Group	Male	Female	Total
18-29	8	4	**12**
30+	9	9	**18**
Total	**17**	**13**	**30**

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Key Considerations for Data Visualization

01 Purpose

02 Chart Types

03 Audience Tailoring

04 Interactivity

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Deep Dive into Data Analysis

Data Analysis

Why is Data Analysis Important?

1. Informed Decision-Making
2. Identifying Trends and Patterns
3. Measuring Performance
4. Improving Programs

Pivot Tables

Name	Admin 1 Name	Sex	Age Group
Beneficiaire 3111	Brakna	Male	18-29
Beneficiary 8	Gorgol	Male	30+
Beneficiary 16	Gorgol	Female	30+
Beneficiary 5	Trarza	Female	18-29

Age Group	Male	Female	Total
18-29	8	4	**12**
30+	9	9	**18**
Total	**17**	**13**	**30**

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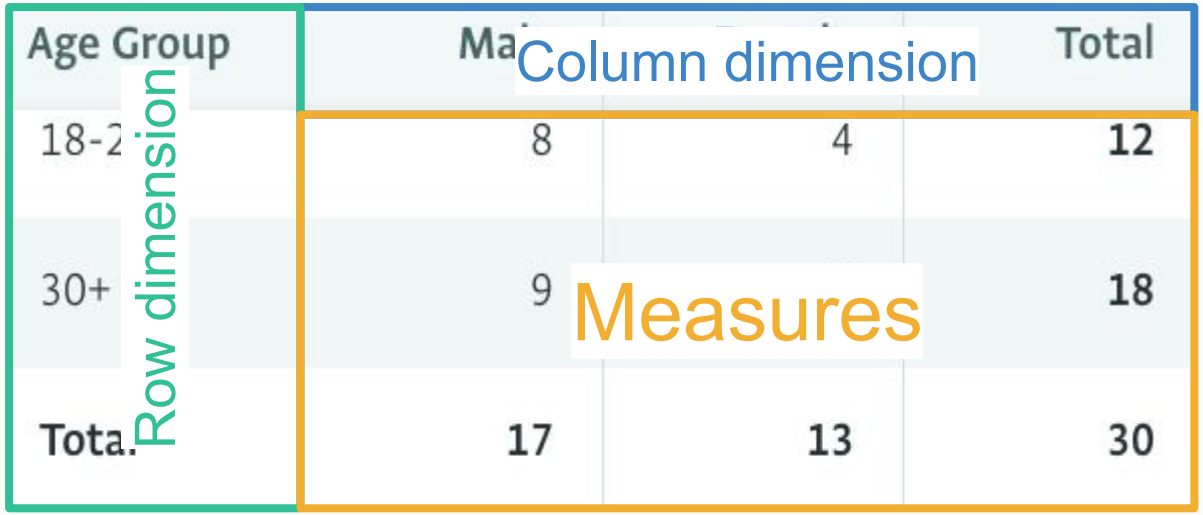
Pivot Table Components



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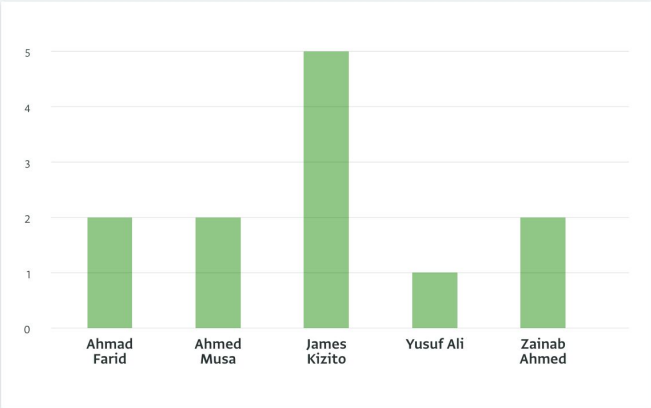
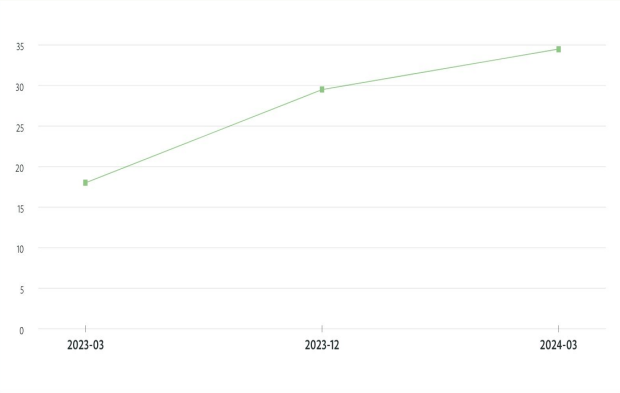
Exploring Data Visualization

Comparative Analysis: Chart Types

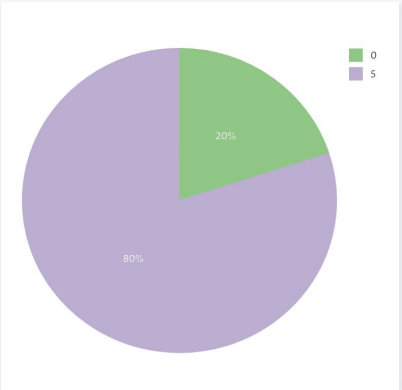
Bar



Line



Pie



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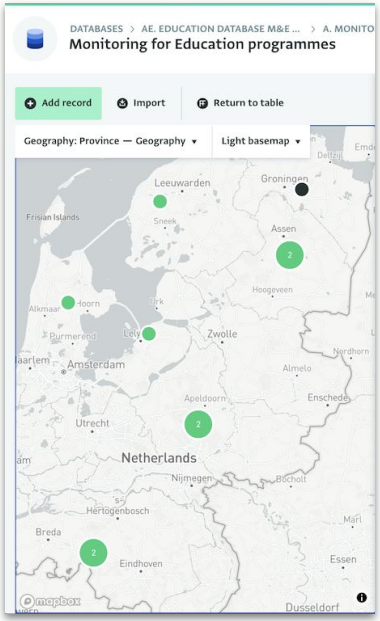
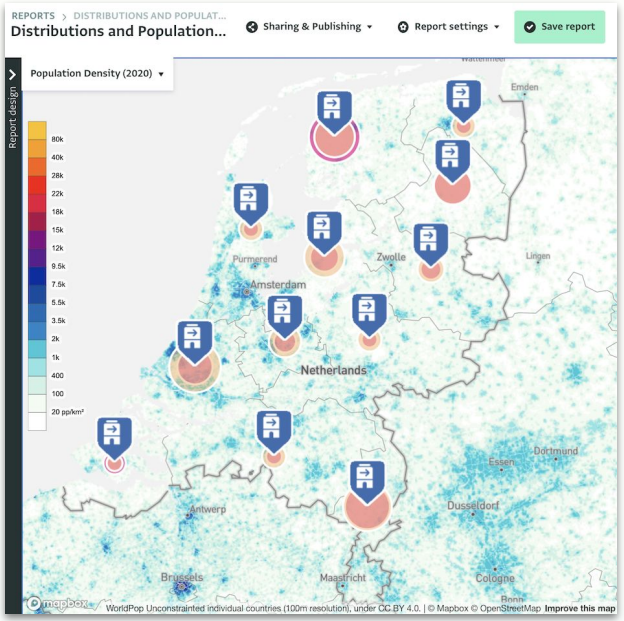
Utilizing Maps





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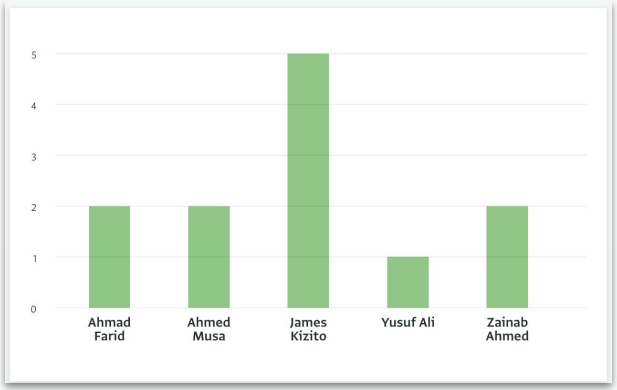
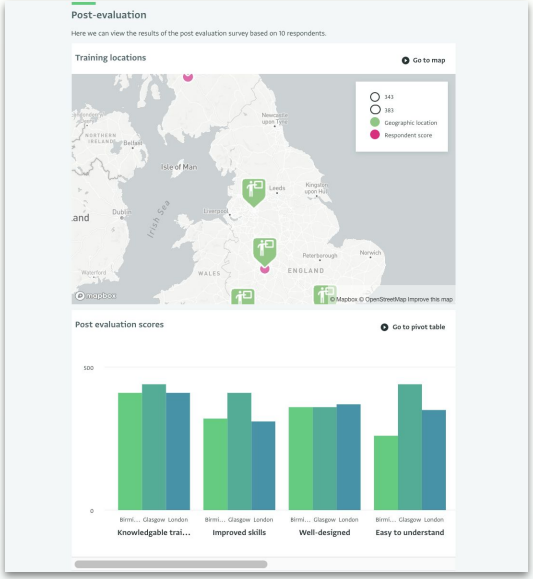
Report layouts: Sharing Your Insights

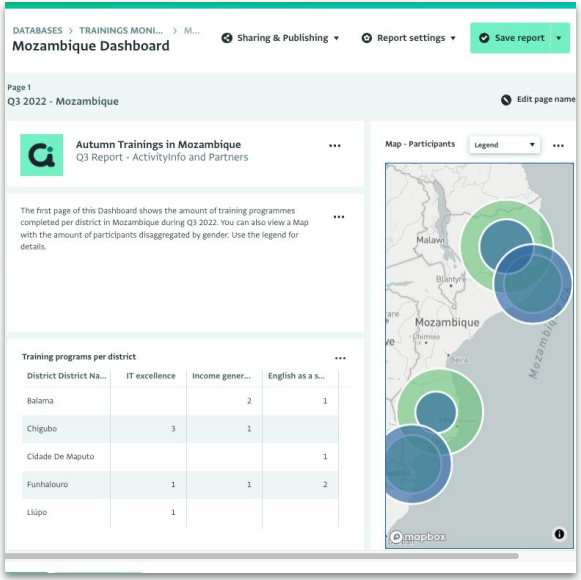
Single Report



Notebook



Dashboard



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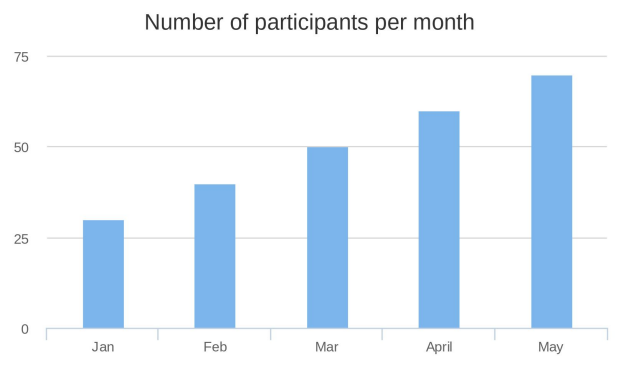
Applying What We Learned to the FFPR Project

Monitoring Report



- **Chart Type:** Bar Chart
- **Purpose:** monitor participant registration trends over time
- **Measures:** number of participants registered
- **Dimensions:** Time (Month)
- **Target Audience:** Internal Staff

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Donor Report

	Indicators	Calculation
SO 1	Yield of targeted agricultural commodities among program participants with USDA assistance	Yield per hectare
IR 1.1	Number of individuals accessing agriculture related financing as a result of USDA assistance	Unique count of individual farmers with access financing (i.e. borrowing in cash or kind, official loans, non borrowing such as leasing

- **Chart Type:** Pivot Table
- **Purpose:** track and report our progress
- **Measures:** Progress to Target (%),
- **Dimensions:** key indicators we are tracking
- **Target Audience:** Donor

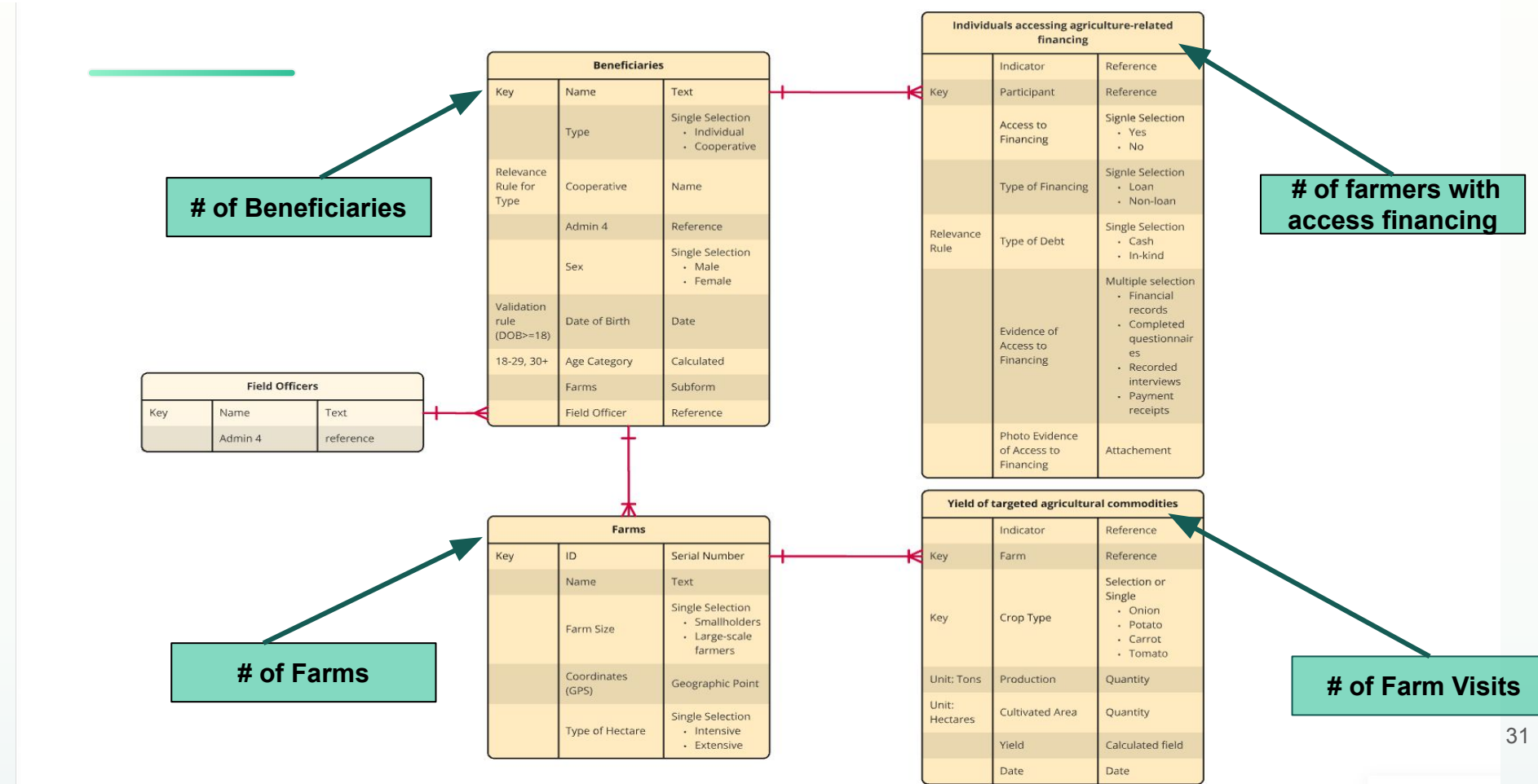
Live Demonstration in ActivityInfo

How are the field officers performing?

Field Officers

- Beneficiaries Registered per Field Officer
- Farms Registered per Field Officer
- Number of Farm Visits
- Individuals benefiting from financial services

How are the field officers performing?



Digital-Fragmented

Digital-Integrated

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Diagram adapted from Harvard Business Review

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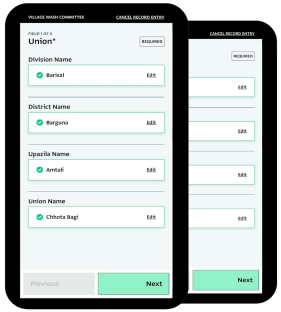
An end-to-end solution for M&E data management

Data collection

Easily collect the data you need from anywhere



Data management

Organize your information according to your workflow

Data analysis

Generate actionable insights in real-time

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....built on a relational data model

Key Messages

- **Data Analysis Transforms Information into Action**
  - Enables evidence-based decision-making.
- **Effective Visualization Enhances Communication**
  - Simplifies complex data for stakeholders.
- **Applying Insights Leads to Program Improvement**
  - Identifies successes and areas needing attention.
- **Continuous Monitoring Supports Objectives**
  - Regular analysis keeps the program on track.

Questions?

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Resources

- Food for Progress Project