GHANALINKS.ORG DATABASE
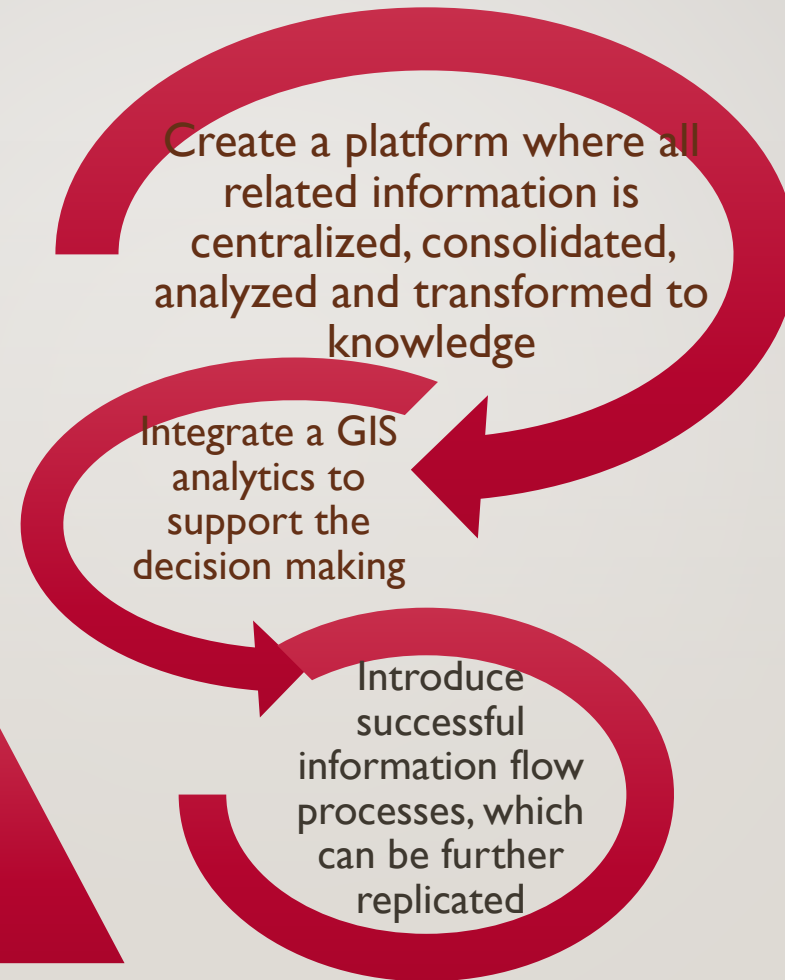
FROM CONCEPT TO REALITY

IN THIS PRESENTATION

- Why Ghanalinks database & Concept
- Ghanalinks DB information flow
- Data availability Overview
- Video "Browsing through the DB – tips on how to skim info and visualize it"
- Data Analysis and Analysis Challenge
- From Platform to KM Products – PBS Dashboard, District Profiles
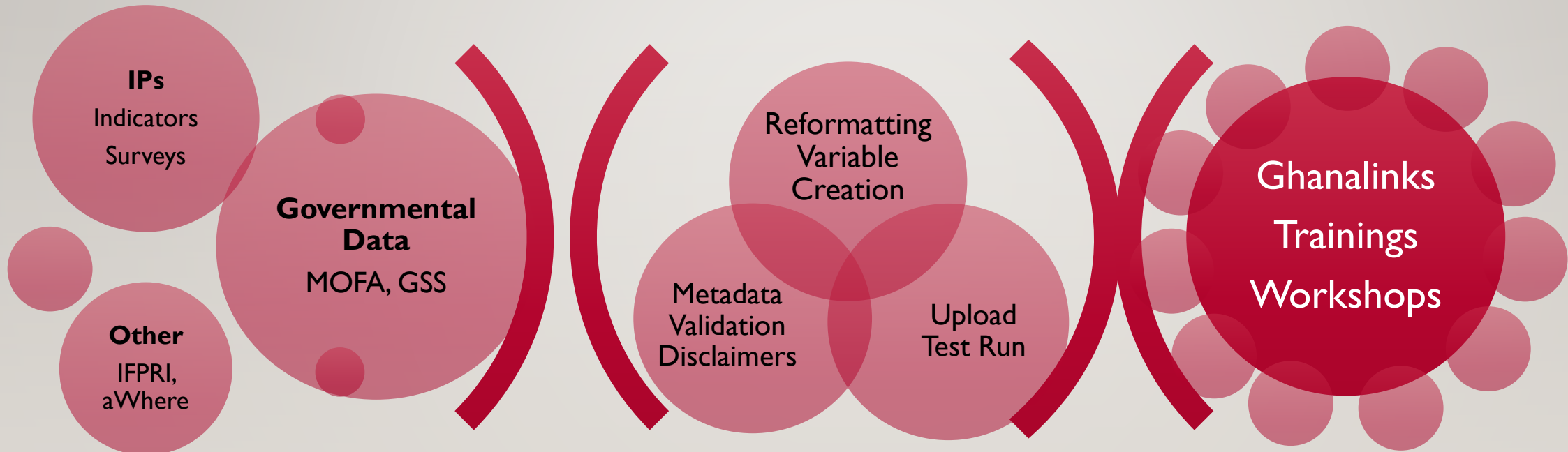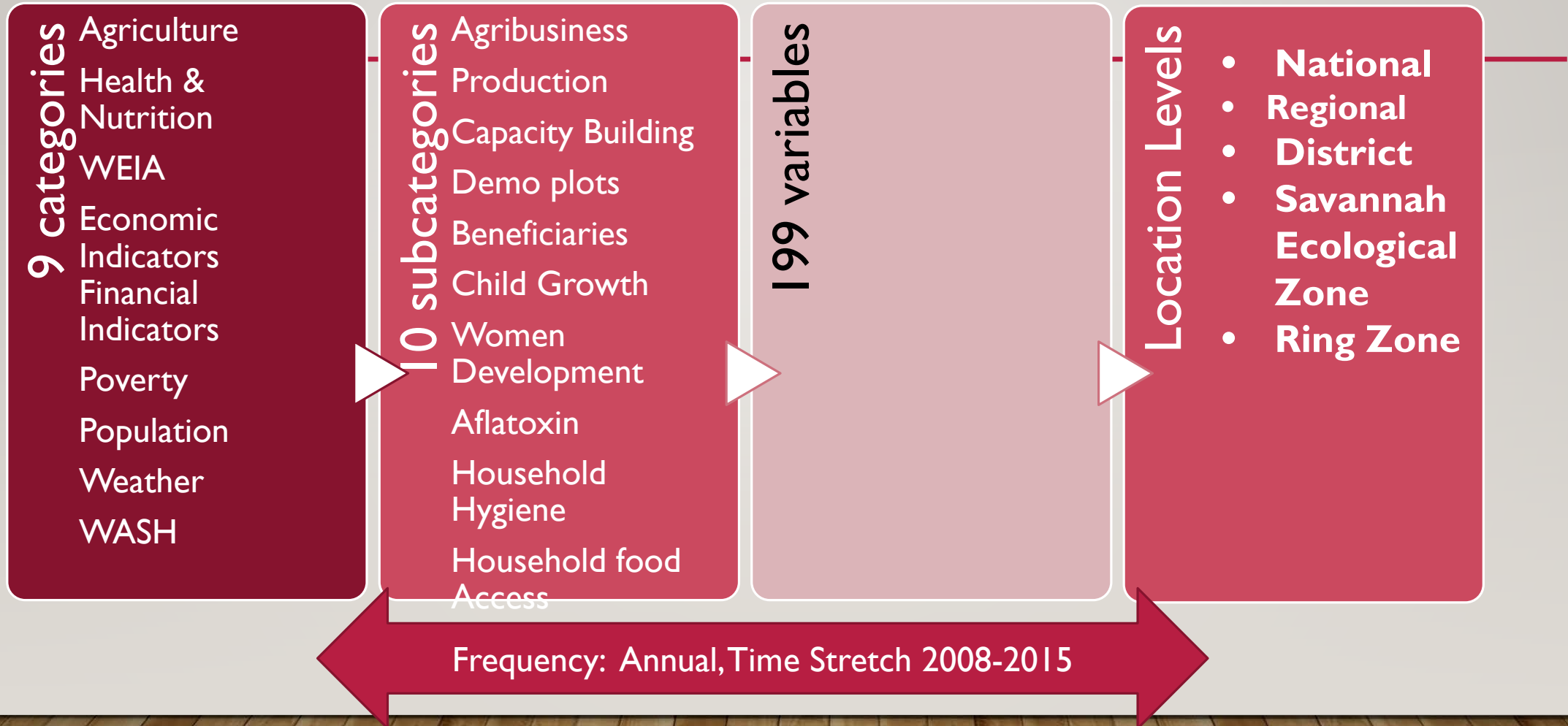- Moving forward

PURPOSE & OBJECTIVES

Support decisions making related to development goals

Make knowledge accessible to USAID, IPs and other stakeholders

Transform relevant data and information to knowledge

Create a platform where all related information is centralized, consolidated, analyzed and transformed to knowledge

Integrate a GIS analytics to support the decision making

Introduce successful information flow processes, which can be further replicated

INFORMATION FLOW

DATA COLLECTION

DATA CLEANING, CONSOLIDATION & UPLOAD

DISSEMMINATION

IPs
Indicators
Surveys

Other
IFPRI, aWhere

Governmental Data
MOFA, GSS

Reformatting Variable Creation

Metadata Validation Disclaimers

Upload Test Run

Ghanalinks
Trainings
Workshops

DATA AVAILIBILITY OVERVIEW

9 categories
- Agriculture
- Health & Nutrition
- WEIA
- Economic Indicators
- Financial Indicators
- Poverty
- Population
- Weather
- WASH

10 subcategories
- Agribusiness
- Production
- Capacity Building
- Demo plots
- Beneficiaries
- Child Growth
- Women Development
- Aflatoxin
- Household Hygiene
- Household food Access

199 variables

Location Levels
- **National**
- **Regional**
- **District**
- **Savannah Ecological Zone**
- **Ring Zone**

Frequency: Annual, Time Stretch 2008-2015

DATA AVAILABILITY BY LOCATION – NATIONWIDE

Category
- Weather
- Population

Group Variables
- Precipitation
- Temperature
- Humidity
- WindSpeed
- GGD
- Male Population
- Female Population
- Total Population

Aggregators
- Min, Max
- Group Age

Source
- aWhere
- GSS

Time Span
- 2008-2015
- 2015
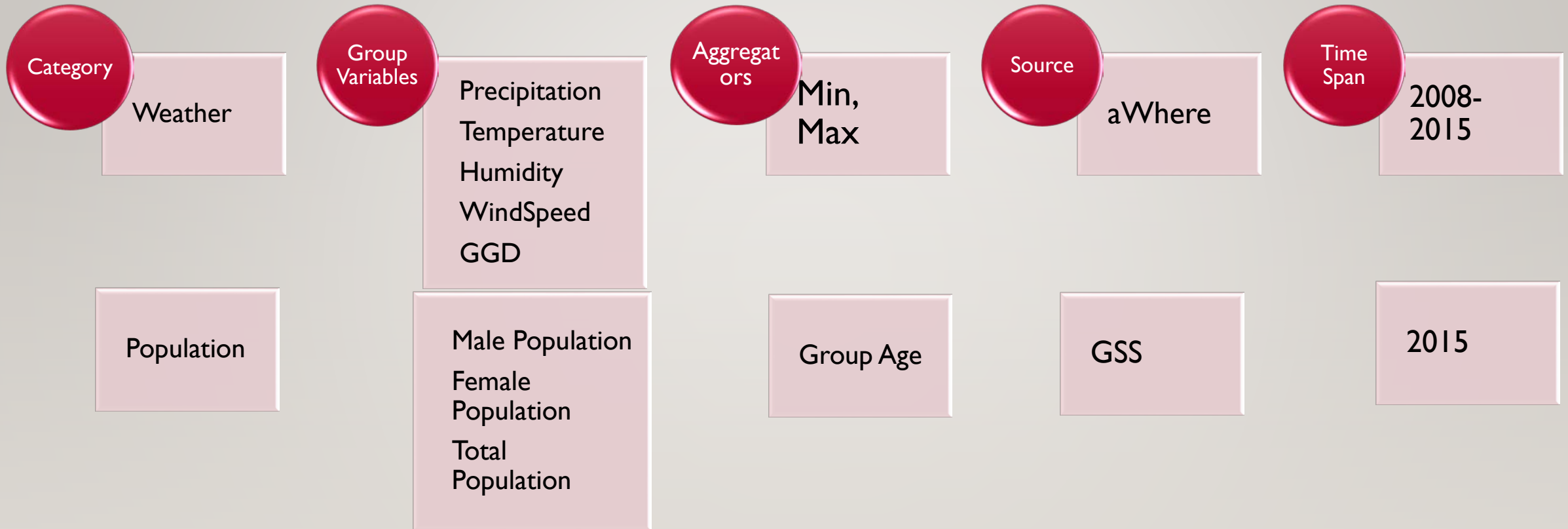
Data Availability by Location- Savannah Ecological Zone

Category	Subcategory	Group Variables	Aggregators	Sources	Period
Agriculture	Agribusiness	Area under TT, Gross Margin, Sales, Revenue, Costs, Consumption,	3 commodities, technology type, gender	APS, IPs	2012- 2015
Agriculture	Production	Production, area, yield, land size	3 to 12 commodities, gender	MOFA, IP, APS	2008-2015
Agriculture	Capacity Building	Companies, individuals, partnerships, policies	gender, technology type, process, duration	IPs	2011-2015
Agriculture	Demo plots	Demo plots	3 commodities, technology type, gender, partner	IPs	2014-2015
Agriculture	Beneficiaries	Beneficiaries	gender	IPs	2014-2015
Economic Indicators		income source, per capita exp.	type of income	PBS, Ring Survey	2012, 2015
Finance		new investment, ag loans	type of recipient	IPs	2015
Health and Nutrition	Child Growth	Underweight, Stunting, Wasting, Exc. Breastfeed, MAD, Norma weight, NRCC	gender, hh gender, age	PBS, Ring Survey	2012, 2015
Health and Nutrition	Household food access	5 variables	gender, hh gender, month	PBS, Ring Survey	2015
Health and Nutrition	Woman Development	1 variable		Ring Survey	2015
WASH	Aflatoxin	1 variable		Ring Survey	2015
WASH	Household hygiene	4 variables		Ring Survey	2015
Weather		20 variables		aWhere	2008-2015
Population		12 variables		GSS	2008-2015

Data Availability by Location - Regional & District

Category	Subcategory	Group Variables	Aggregators	Sources	Period
Agriculture	Agribusiness	Gross Margin, Sales, Revenue, Costs, Consumption, land size	3 commodities	APS, IPs	2013, 2015
Agriculture	Production	Production, area, yield, land size	3 to 12 commodities	MOFA, IP, APS	2008-2015
Agriculture	Demo plots	Demo plots	3 commodities, technology type, gender, partner	IPs	2014-2015
Agriculture	Beneficiaries	Beneficiaries		IPs	2014-2015
Economic Indicators		income source, per capita exp.	type of income	PBS, Ring Survey	2012, 2015
Finance		Ag loans		IPs	2015
Health and Nutrition	Child Growth	Underweight, Stunting, Wasting, Exc. Breastfeed, MAD, Normal weight, NRCC		PBS, Ring Survey	2012, 2015
Health and Nutrition	Household food access	5 variables		PBS, Ring Survey	2015
Health and Nutrition	Woman Development	BMI		Ring Survey	2015
WASH	Aflatoxin	1 variable		Ring Survey	2015
WASH	Household hygiene	4 variables		Ring Survey	2015
Weather		20 variables		aWhere	2008-2015
Population		12 variables		GSS	2008-2015
WEAI		8 variables		aWhere	2008-2015

VISUALIZATION OF ANALYSIS

- Tabular, Graphical and Mapping Display

- Mapping: Display of One Variable/Aggregator at a time

- Graphical: Display of one variable and all aggregators

- Display of Actuals, Targets and Baseline by Project for Indicator related Variables

VIDEO
HOW TO BETTER INTERACT WITH GHANALINKS DB

DATA ANALYSIS CHALLENGES

- LACK OF TIME SERIES PER VARIABLE (LONGEST MOFA 7 TIME SERIES)

- LACK OF DATA PER VARIABLE PER EACH LOCATION LEVEL

  - Regional and district level indicator data

  - data-points to support various indicators at a regional and district leve

- SAME VARIABLES, PRESENTED SLIGHTLY DIFFERENT FROM EACH SOURCE

POSSIBLE DATA MATCHES AS PER TODAY

- Variable Comparison Across Sources => necessary match =>

- 1 VARIABLE X Location X Time X More than 1 Source

VARIABLE	LOCATION	SOURCE	TIME
☐ Gross Margin	☐ Savannah, Region, District	☐ APS, IPs	☐ 2013-2015
☐ Yields	☐ Savannah, Region, District	☐ MOFA, APS, IPs	☐ 2013 -2015
☐ Child Growth Indicators	☐ Only for Ring Districts	☐ PBS, RING	☐ 2015

POSSIBLE DATA MATCHES AS PER TODAY

- Variable Analysis=>Trends=> necessary match =>

- 1 VARIABLE X Location X Time Series X 1Source

VARIABLE	LOCATION	SOURCE	TIME
☐ Production by comm.	☐ Savannah, Region, District	☐ MOFA	☐ 2008 - 2015
☐ Yields by comm.	☐ Savannah, Region, District	☐ MOFA	☐ 2008 - 2015
☐ Area by comm.	☐ Savannah, Region, District	☐ MOFA	☐ 2008 - 2015

POSSIBLE DATA MATCHES AS PER TODAY

- Variable PAIRING=>Trends=> necessary match =>

- 2 VARIABLES X Location X Time Series X 1Source

VARIABLE	LOCATION	SOURCE	TIME
☐ Production by comm.	☐ Savannah, Region, District	☐ MOFA	☐ 2008 - 2015
☐ Yields by comm.	☐ Savannah, Region, District	☐ MOFA	☐ 2008 - 2015
☐ WEATHER VARIABLES	☐ Savannah, Region, District	☐ AWHERE	☐ 2008 - 2015

POSSIBLE DATA MATCHES AS PER TODAY

- Location Overview=> necessary match=> Many variables X 1 Location x Recent Time Points

- MOST OF THE VARIABLES IN THE GHANALINKS DB FALL UNDER THIS CATEGORY

METSS KM PRODUCTS AND ANALYSIS

- PBS & NUTRITION DASHBOARD

- DISTRICT PROFILES

- PRESENCE VS IMPACT SCORE

GHANALINKS DB IN CONTINUOUS IMPROVEMENT

MOVING FORWARD (IMPROVMENTS, ADDITIONS)

PHASE II

PLEASE VISIT AND FEEDBACK