ReSAKSS 2010 Data Notes

The following data summary provides source and calculation details of the data used by ReSAKSS. Indicators are organized by category, followed by unit, year, source, and any other specific , relevant information

Data Categories and Indicators

Population
- **Population** [POP_IND]
    - Source: WDI, 2009
    - Source Indicator title: *Population, total*
    - Years: 1980-2008

Ag GDP and GDP
- **Annual GDP growth rate** [GDP_IMD]
    - Units: %
    - Source: WDI 2009, & IMF Economic Outlook, October 2009.
    - Source Indicator title: *GDP growth (annual %)*
    - Years: 1980- 2008
- **Annual agriculture GDP growth rate** [GDP_AVD]
    - Units: %
    - Source: WDI, 2009, UN National Accounts, 2009 for years 2006-2008, and 1980-1990 for specific countries
    - Source Indicator title: WDI - *Agriculture, value added (annual % growth). UN - Value Added by Economic Activity, Annual Average Rate of Growth - Percentage*
    - Years: 1980- 2008
- **GDP** [GDP_WBI]
    - Units: Constant 2000 US$
    - Source: WDI, 2009
    - Source Indicator title: *GDP (constant 2000 US$)*
    - Years: 1980- 2008
- **Agriculture GDP** [GDP_AGV]
    - Units: Constant 2000 US$
    - Source: WDI, 2009, & ReSAKSS linear estimates for certain countries from 2004-2008
    - Source Indicator title: *Agriculture, value added (constant 2000 US$)*
    - Years: 1980- 2008

- **Agriculture GDP Share of GDP** [GDP_AGS]
    - Units: %
    - Source: ReSAKSS calculations based on WDI 2009, including ReSAKSS linear estimates for specific countries after 2004 (WDI indicator is not used)
    - Years: 1980- 2008
    - Notes: Calculated as AG GDP (WDI) / GDP (WDI) * 100

Per Capita Income Indicators
- **Agriculture GDP per capita** [GDP_IND]
    - Units: Constant 2000 US$
    - Source: WDI, 2009
    - Years: 1980- 2008
    - Notes: Calculated as AG GDP (WDI)/ Population (WDI)
        - Population is used as opposed to rural population based on the assumption that the majority of the population in African countries is employed in agriculture
- **GDP per capita** [PCI_GDP]
    - Units: Constant 2000 US$
    - Source: WDI
    - Source Indicator title: *GDP per capita (constant 2000 US$)*
    - Years: 1980- 2008

Poverty MDG
- **National Poverty Rates** [POV_IND]
    - Units: % of population under national poverty line
    - Source: WDI, 2009
    - Source Indicator title*: Poverty headcount ratio at national poverty line (% of population)*
    - Years: 1990-2009
    - Note: For countries with 2 or more data points available, these 2 points are used to estimate linear trends and extend these to the current year. If 2 points are not available, no estimates are calculated and only 1 data point is shown.
- **International poverty rates ($1.25/day)** [POV_DDR]
    - Sources: WDI, 2009
    - Source Indicator title: *Poverty headcount ratio at national poverty line (% of population)*
    - Years: 1990-2009
    - Note: For countries with 2 or more data points available, these 2 points are used to estimate linear trends and extend these to the current year. If 2 points are not available, no estimates are calculated and only 1 data point is shown.
- **MDG Target Projections of poverty** [POV_MDG]
    - Units: %
    - Source: ReSAKSS calculations based on international poverty rates ($1.25/day). If international rates not available, national poverty rates used instead
    - Years: 1990-2015
    - Note: the 1990 real or estimated rate is halved to calculate the 2015 target rate. A simple linear estimation for the years in between is calculated with an equal rate of decline from 1990 to 2015 = 1990rate+ (($1990rate-$2015rate)-$1990rate)/25.
- **Number of poor** [POV_NPO]
    - Units: Number of people below the international poverty line (if international poverty rates n/a, then national poverty rates are used instead)

- o Source: ReSAKSS calculations based on international poverty rates ($1.25/day). If international rates not available, national poverty rates used instead
  - o Years: 1990-1990
  - o Note: Calculated as poverty rate * population
- **Number of poor index** [POV_NPI]
  - o Units: 1990=100
  - o Source: ReSAKSS calculations based on international poverty rates ($1.25/day). If international rates not available, national poverty rates used instead
  - o Years: 1990-2009
  - o Note: 1990 is used as base year. For each year, NPI = Current year number of poor / 1990 number of poor * 100

Hunger MDG
- **Malnutrition prevalence** [HUN_MAL]
  - o Units: %
    - ▪ proportion of children under the age of 5 that are malnourished according to weight for age (more than 2 standard deviations from mean)
  - o Source: UN MDG, 2009 & WDI, 2009
  - o Source Indicator title: *Malnutrition prevalence, weight for age (% of children under 5)*
  - o Years: 1990-2009
  - o Note: For countries with 2 or more data points available, these 2 points are used to estimate linear trends and extend these to the current year. If 2 points are not available, no estimates are calculated and only 1 data point is shown.
- **MDG target projections for malnutrition** [HUN_MAM]
  - o Units: %
  - o Source: ReSAKSS calculations based on Malnutrition data above (WDI)
  - o Years: 1990-2015
  - o Note: the 1990 real or estimated rate is halved to calculate the 2015 target rate. A simple linear estimation for the years in between is calculated with an equal rate of decline from 1990 to 2015 = 1990rate+ (($1990rate-$2015rate)-$1990rate)/25.
- **Undernourishment** [HUN_NOU]
  - o Units: %
  - o Source: WDI, 2009
  - o Source Indicator title: *Prevalence of undernourishment (% of adult population)*
  - o Years: 1990- 2009
  - o Note: For countries with 2 or more data points available, these 2 points are used to estimate linear trends and extend these to the current year. If 2 points are not available, no estimates are calculated and only 1 data point is shown.
- **MDG target projections for undernourishment** [HUN_NOM]
  - o Units: %
  - o Source: ReSAKSS calculations based on undernourishment data above (WDI)
  - o Years: 1990-2015
  - o Note: the 1990 real or estimated rate is halved to calculate the 2015 target rate. A simple linear estimation for the years in between is calculated with an equal rate of decline from 1990 to 2015 = 1990rate+ (($1990rate-$2015rate)-$1990rate)/25.
- **Global Hunger Index 2009** [HUN_GHT]
  - o Units: Index

- o Source: IFPRI, 2009
  - o Years: 1990 & 2009 data points only, temporary due to calculation shift.
- **Global Hunger Index 2008** [HUN_GHI]
  - o Units: Index
  - o Source: IFPRI, 2008
  - o Years: 1990-2007 *Data unchanged since 2008
  - o Note: For countries with 2 or more data points available, these 2 points are used to estimate linear trends and extend these to the current year. If 2 points are not available, no estimates are calculated and only 1 data point is shown.
- **Under five mortality rates** [HUN_MOR]
  - o Units: # per 1000 live births
  - o Source: WDI, 2009
  - o Source indicator title: *Mortality rate, under-5 (per 1000)*
  - o Years, 1990- 2009
  - o Note: For countries with 2 or more data points available, these 2 points are used to estimate linear trends and extend these to the current year. If 2 points are not available, no estimates are calculated and only 1 data point is shown.
- **Cereal consumption quantity** [HUN_CON]
  - o kg/capita/year
    - ▪ excludes beer
  - o Source: FAOSTAT
  - o Source indicator title: *Food Supply/Crops Primary Equivalent/Cereals -excluding beer +/ Food supply quantity (Kg/capita/yr)*
  - o Years: 1980- 2005

Agriculture Productivity
- **Land productivity** [PRD_LND]
  - o Units: Constant 2000 US$/ha
  - o Source: FAOSTAT, 2008
  - o Years: 1990-2005
- **Labor Productivity** [PRD_LAB]
  - o Units: Constant 2000 US$/ha
  - o Source: FAOSTAT, 2008
  - o Years: 1990-2005
- **Yields** [PRD_YLD]
  - o Units: Kg/ha
  - o Source: FAOSTAT, 2009
  - o Source indicator title: *Production/Crops/Cereals, Total +/Yield (hg/ha)*
  - o Years: 1980- 2008
  - o Note: data available in hg/ha and was converted to kg by dividing hectograms by 10.
- **Agriculture Production Index** [AGT_IND]
  - o Units: index – base year 1999-2001
  - o Source: FAOSTAT, 2009
  - o Source indicator title: *Production/Production Indices/Agriculture (PIN)/Net PIN (Base 1999-2001)*
  - o Years: 1980- 2007

Fertilizer

- **Total fertilizer use** [FRT_IND]
  - Units: Kg/Ha
  - Source: WDI, 2009
  - Source indicator title: *Fertilizer consumption, (100 grams per hectare of arable land)*
  - Years: 1980- 2008
  - Notes: data converted from 100 grams (hg) to kilograms by dividing hectogram units by 10

Government Expenditure
- **Agriculture expenditure as a share of agriculture GDP** [GVT_APG]
  - Units: %
  - Sources: ReSAKSS calculations based on AG GDP (current LCU) (WDI), GDP Deflator (WDI), and PPP Conversion Factor (WDI), and agricultural expenditures collected by IFPRI using IMF statistics
  - Source Indicator title: *As listed above*
  - Years: 1980- 2008
  - Note: Calculations as follows :
    - Apply GDP deflator to AG GDP in current LCU
    - Apply 2005 PPP conversion factor across all years
    - AG Expenditures/AG GDP
- **Agriculture expenditure as a share of total expenditures** [GVT_APT]
  - Units: %
  - Sources: agricultural expenditures collected by IFPRI using IMF statistics as well as data collected by ReSAKSS nodes
  - Years: 1980- 2008
- **Agriculture expenditure** [GVT_APE]
  - Units: PPP US$ Billion, 2005 constant
  - Source: data collected by IFPRI using IMF statistics
  - Years: 1980- 2006
- **Agriculture expenditure as a share of GDP** [GVT_AGG]
  - Units: % (using 2005 Int'l $)
  - Source: agricultural expenditures collected by IFPRI using IMF statistics
  - Source Indicator title: *As listed above*
  - Years: 1980- 2006

Agriculture Trade
- **Total agricultural imports** [AGT_IMP]
  - Units: 1000 US$
  - Source: FAOSTAT, 2009
  - Source indicator title: *Trade/TradSTAT/Crops and Livestock Products/Agricultural Products, Total +/Import Value(1000 US$)*
  - Years: 1980- 2007
- **Per capita agricultural imports** [AGT_PCI]
  - Units: US$
  - Source: ReSAKSS calculations based on population data (WDI) and AG Imports (FAOSTAT, above)
  - Years: 1980- 2007
  - Calculations: AG Imports/Population
- **Total agricultural exports** [AGT_EXP]
  - Units: 1000 US$

- o Source: FAOSTAT, 2009
- o Source indicator title: *Trade/TradSTAT/Crops and Livestock Products/Agricultural Products, Total +/Export Value (1000 US$)*
- o Years: 1980- 2007
- **Per capita agricultural exports** [AGT_PCE]
  - o Units: US$
  - o Source: ReSAKSS calculations based on population data (WDI) and AG Exports (FAOSTAT, above)
  - o Years: 1980- 2007
  - o Calculations: AG Exports/Population

Prices
- **Producer Prices for Cereals** [PRI_CER]
  - o Units: US$/tonne
  - o Source: FAOSTAT, 2009
  - o Source indicator name: *Prices/PriceSTAT/Cereals, Total >*
  - o Years: 1991- 2007
  - o Calculations: Calculated the average price of all listed cereals given per country, per year.

Source Information:

1. World Development Indicators 2009 (World Bank)
   - o Updated upon release of the World Development Report each year
2. FAOSTAT 2009
   - o http://faostat.fao.org/default.aspx
   - o Updated annually
3. UN Statistics Division National Accounts 2009
   - o http://unstats.un.org/unsd/snaama/selectionbasicFast.asp
   - o Updated annually
4. UN MDG Statistics 2009
   - o http://mdgs.un.org/unsd/mdg/Default.aspx
5. IMF Economic Outlook indicators, October 2009
   - o http://www.imf.org/external/pubs/ft/weo/2008/02/weodata/index.aspx
   - o Updated annually
6. IFPRI Global Hunger Index, 2010
   - o http://www.ifpri.org/publication/challenge-hunger-2008-global-hunger-index
   - o Updated annually
7. ReSAKSS nodes, 2010
   - o Data collected by ReSAKSS regional nodes working with in-country partners
   - o Individual sources vary, but often rely on Ministries of Agriculture and/or Finance

For more information, please contact ReSAKSS at resakss-africa@cgiar.org.