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## Integrating Food and Nutrition Security into Economic Transformation and Industrialization Agenda:

How can agriculture be the driver rather  
than follower of economic transformation in  
Tanzania?



**New Dodoma Hotel, Dodoma**

**14<sup>th</sup> - 16<sup>th</sup> February, 2018**



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Scaling up for food security in Africa



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# Tracking CAADP Indicators: Tanzania's Progress

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### Overview

- Tanzania is one of the African countries that signed a Comprehensive Africa Agriculture Development Programme (CAADP) compact
- Use of evidence in planning, progress review and priority setting is one of the core principals of CAADP
- The continental CAADP results framework identifies indicators to monitor progress in implementing CAADP
- This presentation documents performance of Tanzania in selected CAADP indicators





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### Progress in the CAADP Implementation Process As of January 2018

Roundtable held and compact signed	July 8, 2010
Investment plan drafted, reviewed, and validated	May, 31 2011
Business meeting held	November 10, 2011
Country SAKSS established	Yes
GAFSP funding approved (million US\$)	Tanzania (\$22.9)
Annual joint Grow Africa and New Alliance reporting	Yes
JSR assessment conducted	Yes
New Alliance Cooperation Framework launched	Yes



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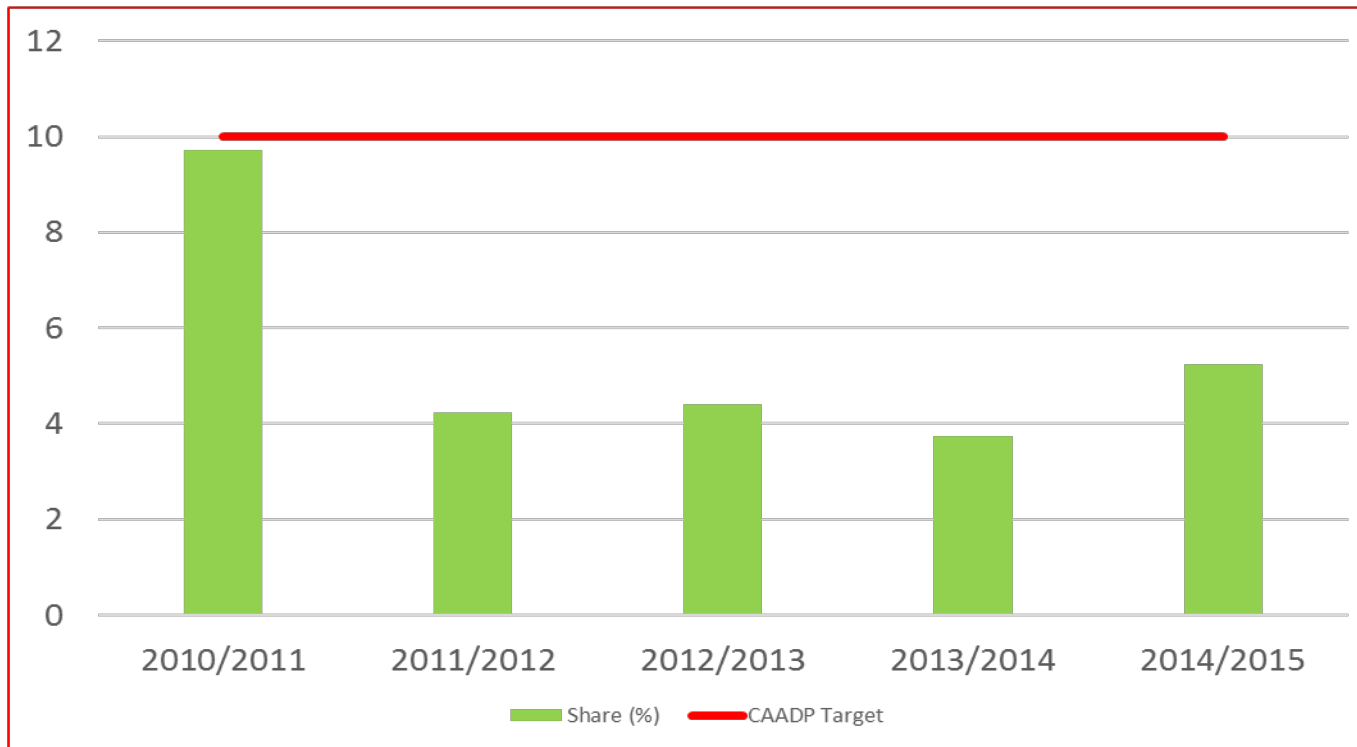
# Highlight on Agriculture Performance: Agriculture Expenditure and Productivity



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## Ag Expenditure as a Share of Total Expenditure



**Source:** Rapid Budget Analysis -2015, An Agricultural Sector Background Note

Expenditure levels lower than the CAADP target of 10%

Fluctuating patterns observed



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### Productivity of Crop and Livestock sub-sectors

- ***Productivity of cereals and other crops is much lower than the global average.***
  - Productivity growth has been only modest over the last two decades.
  - Levels are much lower than the potential
  - There is increase in crop production, but mainly achieved by increasing crop land than output per acre.
  - High yield variability due to climatic variation and reliance on rainfed agriculture



## Percentage of Households Using Irrigation in Tanzania

Item	NPS 2008/09	NPS 2010/11	NPS 2012/13	NPS 2014/15
Share of households using irrigation	4.2	3.4	3.4	3.1
Share of fields using irrigation (surface)	2.0	1.7	1.7	2.0
• Share of maize fields using irrigation (Surface)	1.7	1.5	1.7	1.4
• Share of paddy fields using irrigation (Surface)	4.3	3.6	5.6	2.1

Source: NBS, 2016: National Panel Survey Wave 4 2014/2015 Report

### **Area irrigated very small compared to potential**

- High potential, feasible investment: 2.3 million ha

- Area developed 430,000ha vs. the target of 1 million ha

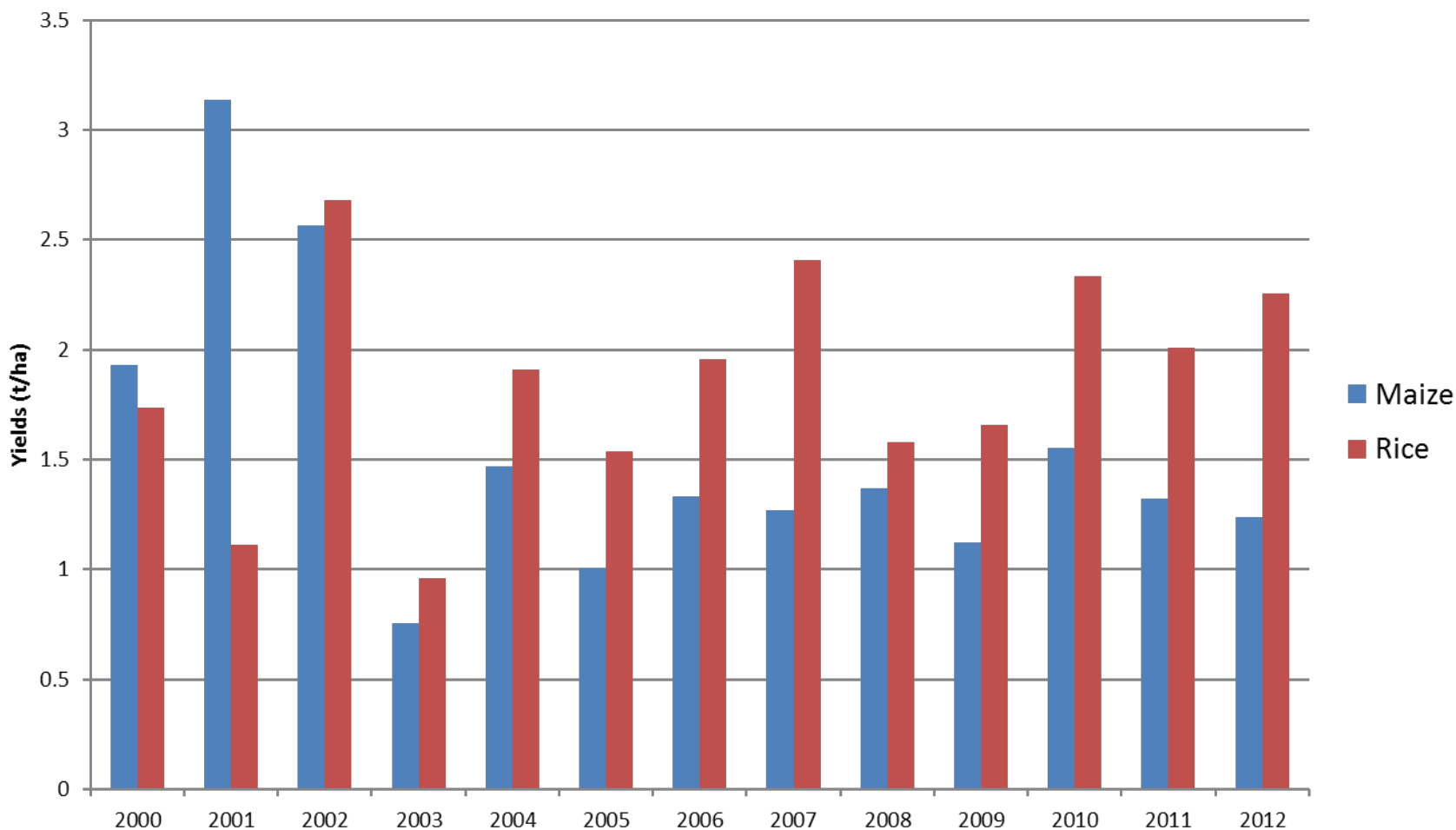




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## Crop Productivity-Cereals



Source: MALF Statistical Database

- Stagnant or growing very slowly

## Wide Yield Gaps Compared to Peers within Africa

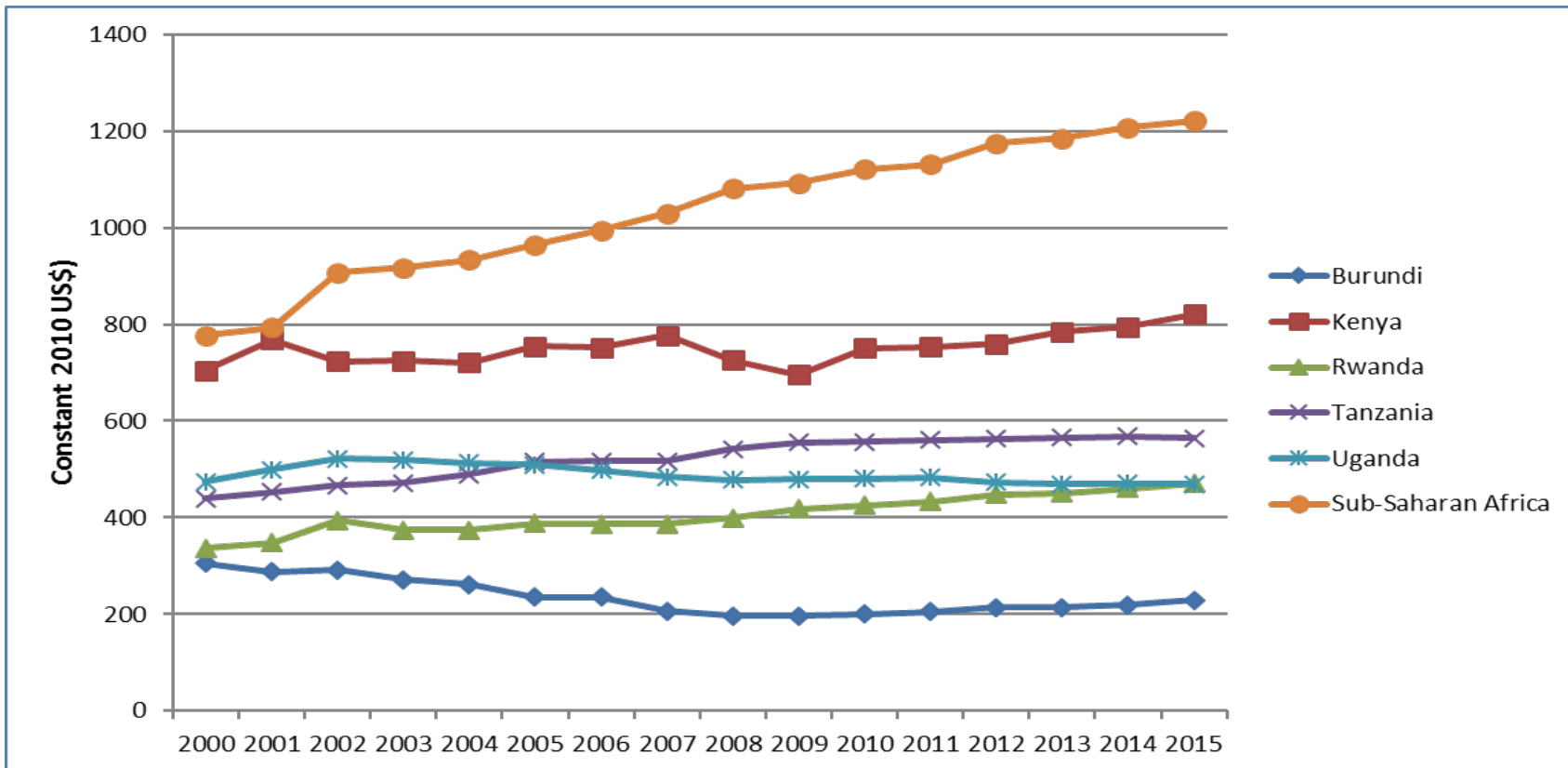
	Tanzania	African Countries With High Yields
<b>Maize (t/ha)</b>	1.56	Mauritius: 8.5 Egypt: 7.8
<b>Wheat (t/ha)</b>	1.7	Zambia: 6.6
<b>Rice (t/ha)</b>	2.9	Egypt: 9.8
<b>Beef (kg/animal)</b>	130	Mauritius: 238

**Source:** Tanzania data is from MALF and the rest is from FAOSTAT

- Yields very low compared to the rest of the world
- Many good projects: but small, short lived, no enough scaling up



## Agricultural Labour Productivity



Source: World Bank

- Agriculture labour productivity in Tanzania is low
- Many factors responsible such as:
  - limited adoption of improved agriculture technologies; limited access to productivity enhancing inputs e.g. fertilizers and improved seed; and
  - inadequate access to agricultural advisory services



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# Country Performance: High Level CAADP indicators



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### Agriculture GDP Growth Rate





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### Agriculture GDP Growth Rate

- Agriculture GDP growth rate remains lower than the 6% CAADP target
- Fluctuating pattern is observed on the levels of agricultural GDP over time



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### Prevalence of Undernourishment (% of population)

**Source:** World Development Indicators by the World Bank

- About a third (32%) of the population is undernourished
- The absolute number of hungry people has been increasing over time



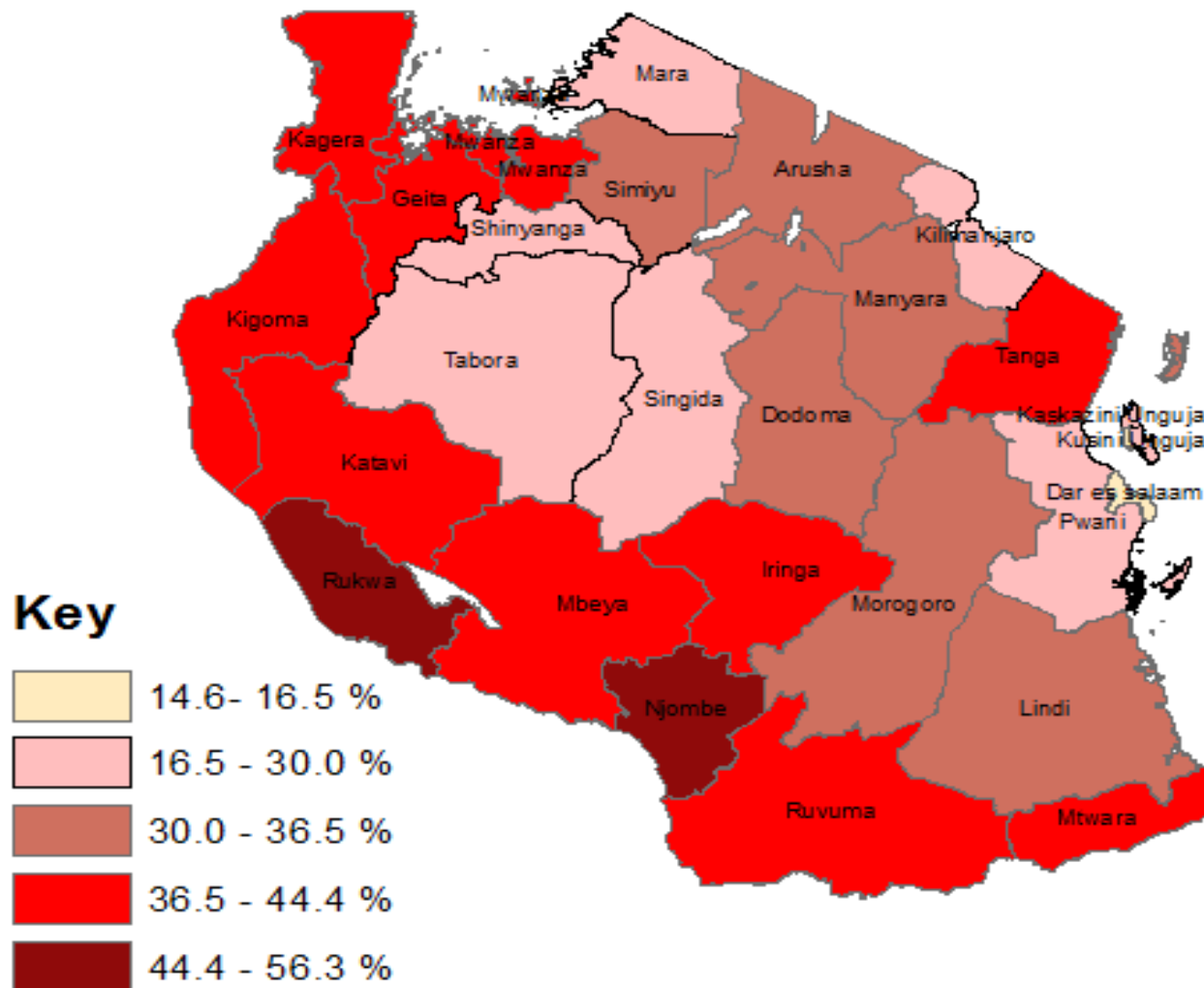
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### Stunting, or low height for age – among children under five

- Nationally about a third (34.7%) of children under the age of five are stunted

Stunting reflects chronic malnutrition



Source: DHS 2015/16 NBS, 2016



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# TITLE

### Guidelines :

- 10 -12 slides of substance (this excludes graphs/ tables) addressing the theme of the 4<sup>th</sup> AAPC - Integrating Food and Nutrition Security into Economic Transformation and Industrialization Agenda in Tanzania: *How could agriculture be the driver rather than follower of economic transformation in Tanzania?*
- Font size 20 (given that we'll be in a room of over 150 pax)
- 6 X 6 rule to the extent possible (six lines, six words each)

**Each presenter will be allocated with a maximum of 15 minutes.**

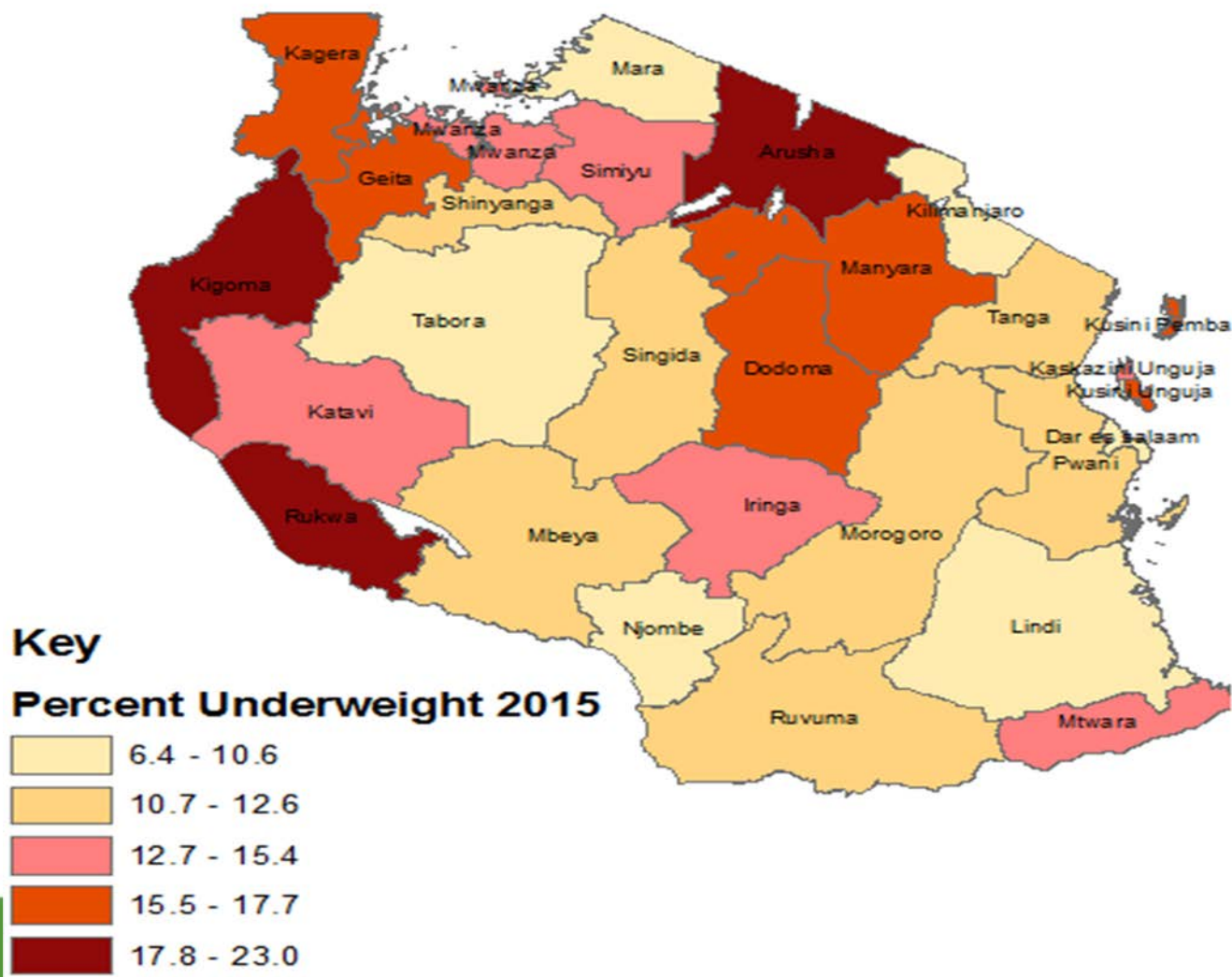


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# Percent of children under five who are Underweight

- Nationally about a third (14%) of children under the age of five are underweight



Source: DHS 2015/16 NBS, 2016



## Poverty Levels

Years	Poverty Incidence (%)
1991–1992	38.6
2001	35.6
2007	33.4
2012	28.2

**Source:** Household Budget Survey by the NBS (Various Years)

- Moderate decline recorded but poverty levels are still high
- The number of poor people has increased in absolute terms due to high population growth

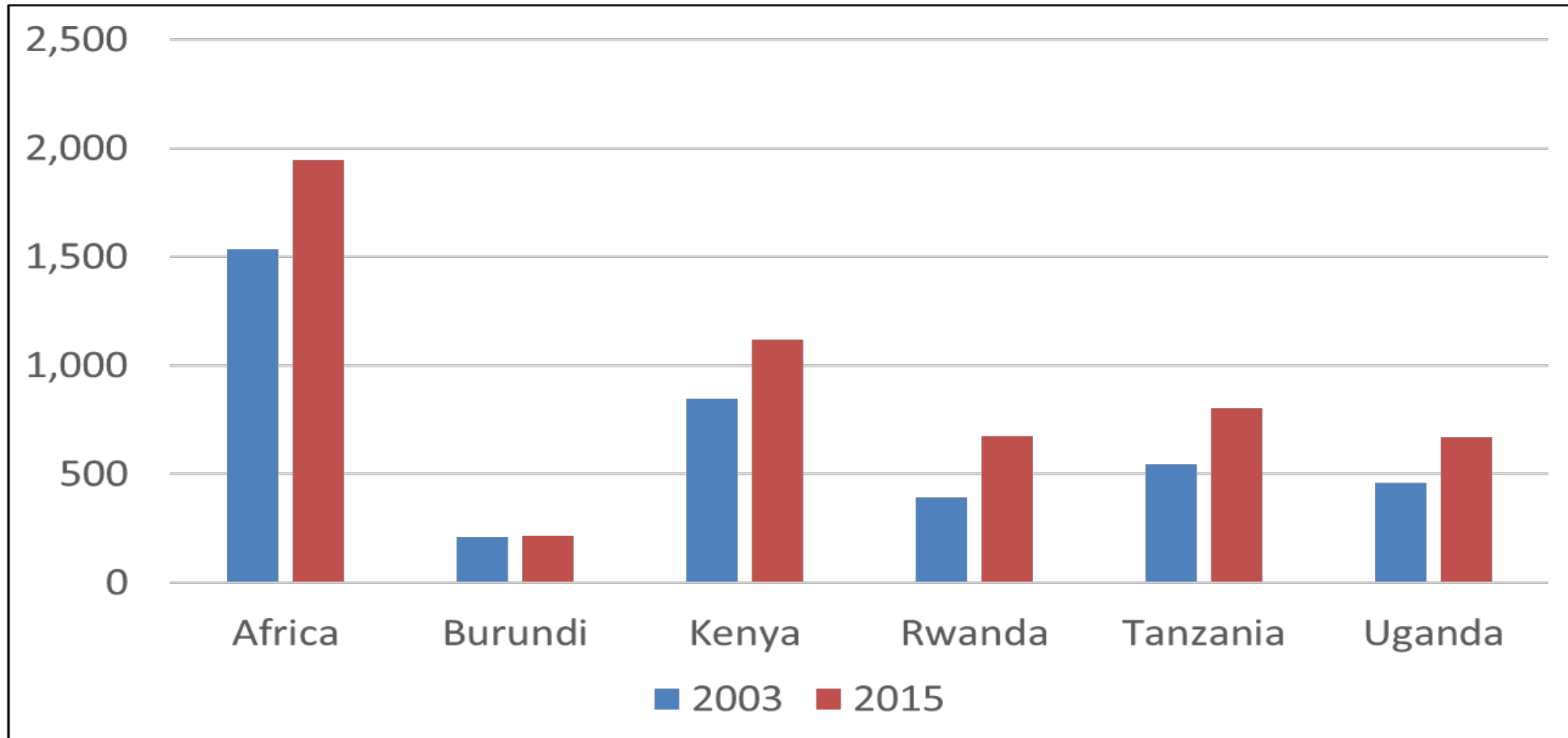


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## Per Capita Income has Increased but Much Lower than the Average for Africa

### GDP per capita (constant 2010 US\$)



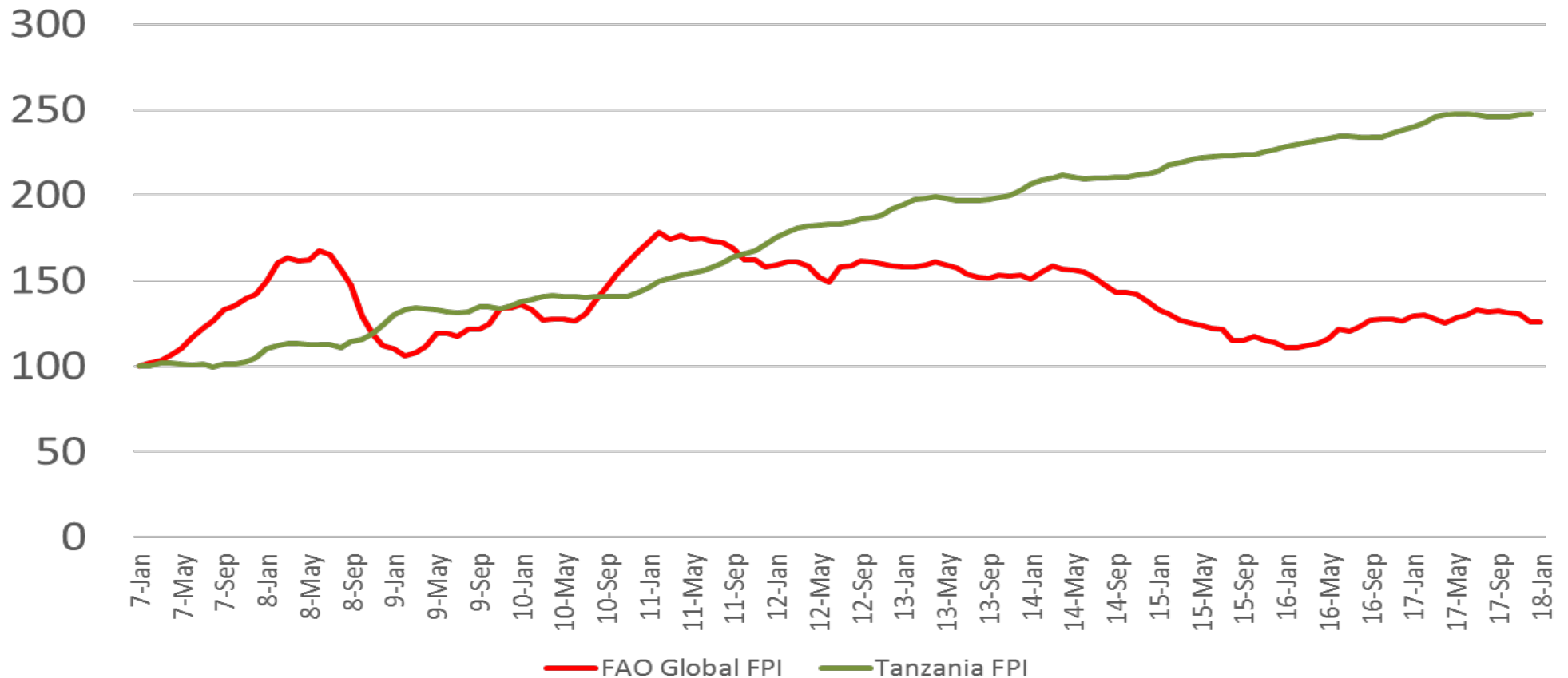
Source: ReSAKSS based on World Bank (2016) and ILO (2016)



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## Trends in Food Prices



**Source:** ReSAKSS regional food prices database

Rising food prices worsen hunger and poverty situation...the poor spend high share of their income on food



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# Performance in Meeting Targets



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### Ag Investments and Input Use

Indicator	Current Status	Target**	About the target	Performance VS target
Ag Budget allocation as a share of total budget	4.4% (avg 2012/2015)	10%	MKUKUTA II/CAADP TAFSIP target and Malabo	Below target
Area under irrigation increased (HA)	461,326 in 2014/15	1,000,000 by 2015/2016	FYDP 1 and MKUKUTA II	Below target
Smallholders using oxen, %	24	30	ASDP 1	Below target
% of smallholders using Tractor	8.9	5	ASDP 1 target	Target Achieved
Average fertilizer use in Kg per hactor	19.3 kg/ha	50.0 kg/ha	Abuja Deceleration on Fertilizer use (2006)	Below target





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### Productivity and Growth

Indicator	Current Status	Target**	About the target	Performance VS target
Maize yields	1.4 tons/ha (avg2013-2015)	2.5 tons/ha	ASDP 1 target	Below target
Rice yields	2.3 tons/ha (avg 2013-2015)	3-4 tons/ha	ASDP 1 target	Below target
Average Annual GDP growth rate	7% (Avg 2010-2016)	8%	FYDP 1 and MKUKUTA II	Marginally below target
AgDP growth	3.4% (2015)	6-8%	FYDP 1 and MKUKUTA II	Below target
Crops sub-sector GDP growth	4 % (2015)	6.5% by 2015	MKUKUTA II	Below target
Livestock sub-sector GDP growth	2.6 % (2015)	5.9% by 2015	MKUKUTA II	Below target
Fisheries sub-sector GDP growth	3.1 % (2015)	5.3% percent by 2015	MKUKUTA II	Below target

**Source:** MALF and NBS



## Food Security and Poverty

Indicator	Current Status	Target**	About the target	Performance VS target
Under-5 Underweight (%)	14 (2015/2016)	14.4% by 2015	MDG target	Target Achieved
Under-5 Stunted (%)	34.7 (2015/2016)	22.3% by 2015	MDG target	Below target
Under-5 wasted (%)	3.8 (2015/2016)	Less than 5	MDG target	Achieved
Percent living below the food poverty line (national level)	9.7% (in 2015/2016)	10.5%	MDG target	Achieved
Percent living below the food poverty line (Rural)	11.3 (in 2015/2016)	10.5%	MDG target	Below target
Poverty head count rate – Basic needs poverty, %	28.2 in 2011/12	24% and 19.3%	24% (MKUKUTA II) and 19.3% (MDG)	Below target

**Source:** NBS- Demographic and Health Surveys



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### Concluding Remark

- There is need for concerted efforts to address the constraints that underlie the low productivity.
- Establish and maintain effective mechanisms for early warning and disaster mitigation and management.
- Furthermore, investment in irrigation and crop protection can lower the amplitude of yield variability
- Many agriculture productivity enhancing interventions have taken place, WHY is productivity still low?”
- Need to learn from peers within and outside Tanzania

## Concluding Remark 2A: Meeting commitments

Designing policies is one thing, implementation often becomes a key challenge in Africa

- Current levels of public expenditures in the agriculture sector are below the CAADP targets
  
- Challenge of limited budget remains;
  - Need for concurrent efforts to continue increasing share of budget allocation
  - Stimulate investments by private sector

## Concluding Remark 2B: Targeting & quality of investments

### Targeting of interventions,

- ensure efficient use of the available resources
- Deliberate efforts to invest in sub-sectors and activities that have the potential for highest returns
- Up scaling climate smart agriculture

### Quality of Investment

- Recurrent vs Development expenditures
- Ensure farmers representation in planning



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- [www.resakss.org/](http://www.resakss.org/)
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- <http://conference.resakss.org/>





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