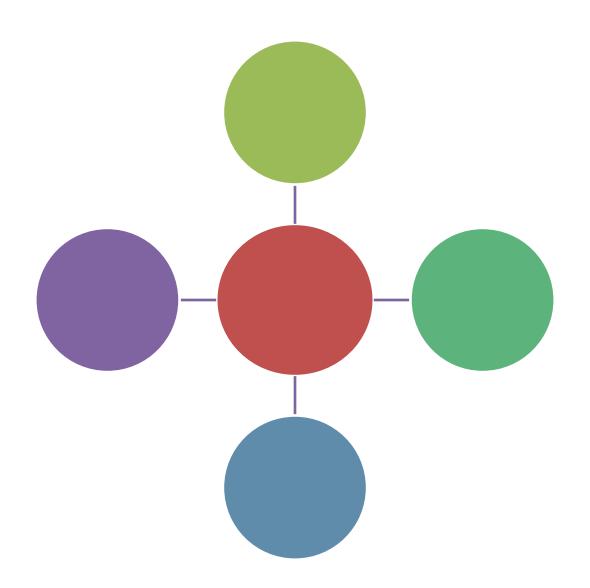


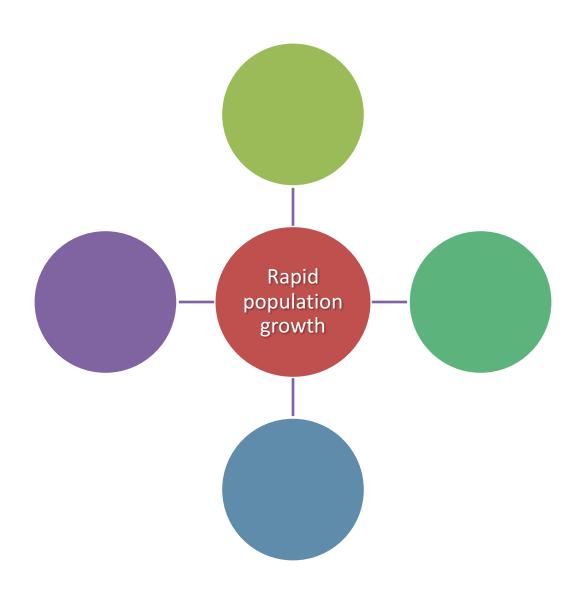
Format

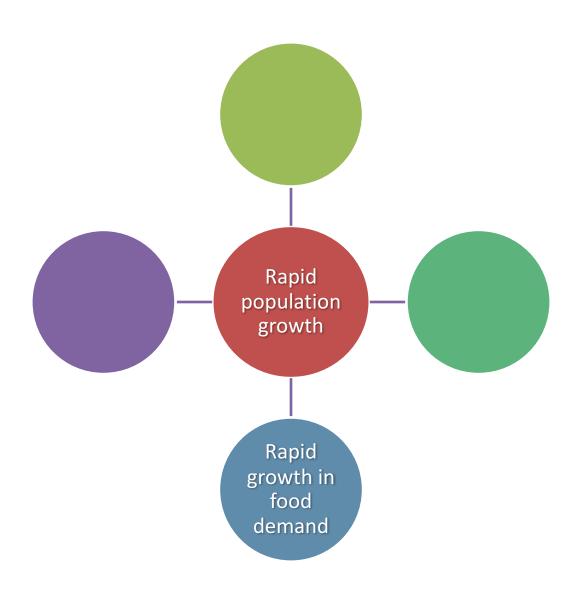
- Five megatrends affecting agri-food systems in the region
- 2. Conclusions and policy implications
- 3. Reflections on partnership

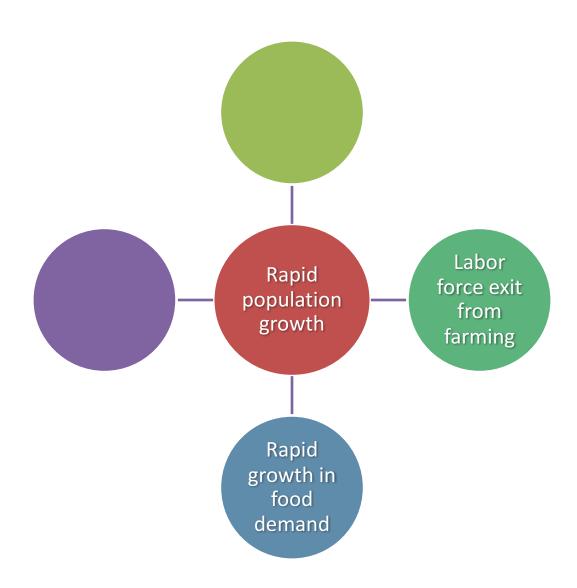
Format

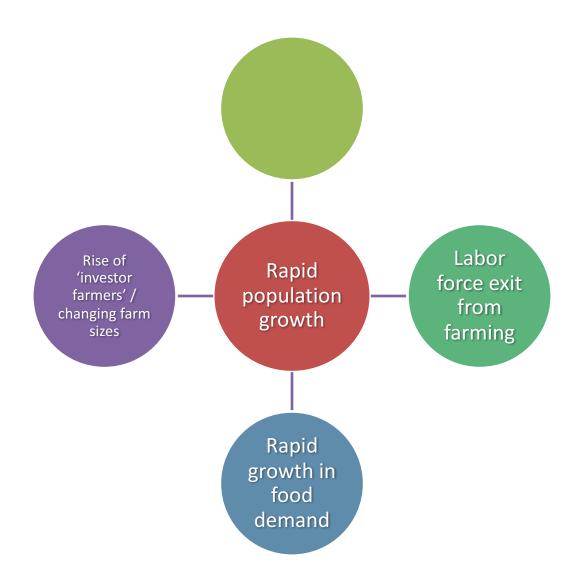
Five megatrends affecting agri-food systems in the region

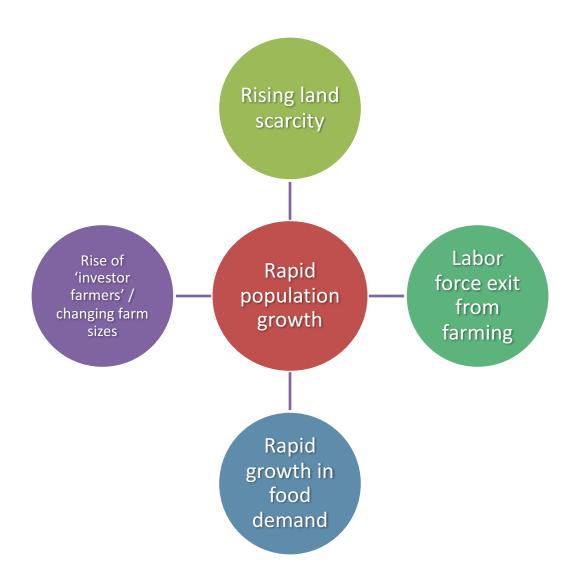


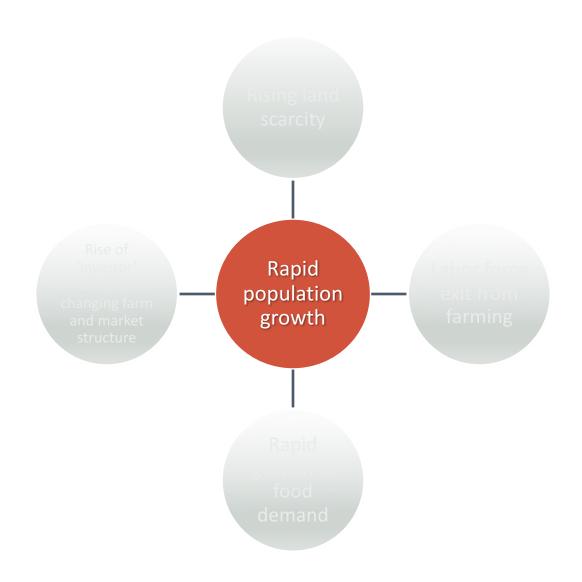




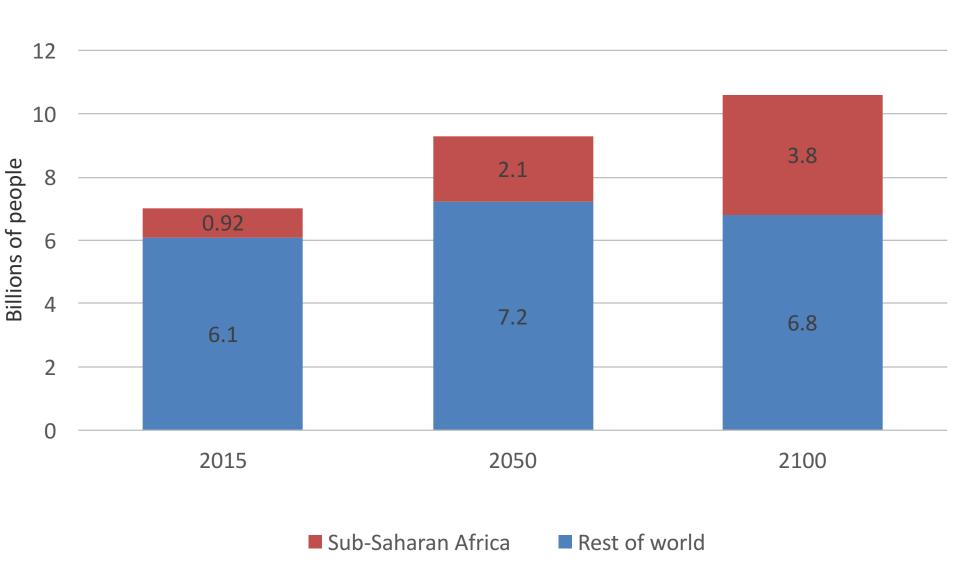






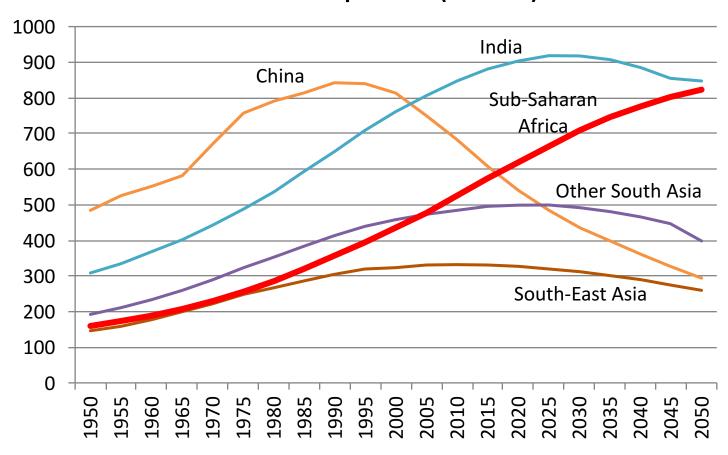


Africa's rapid population growth

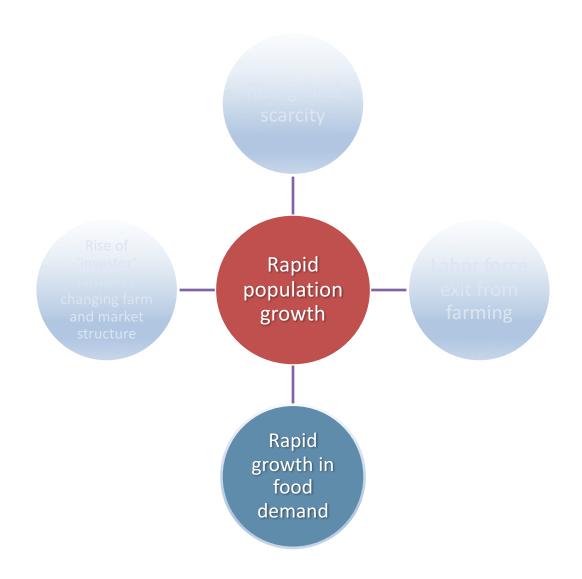


Sub-Saharan Africa: only region of world where rural population continues to rise past 2050

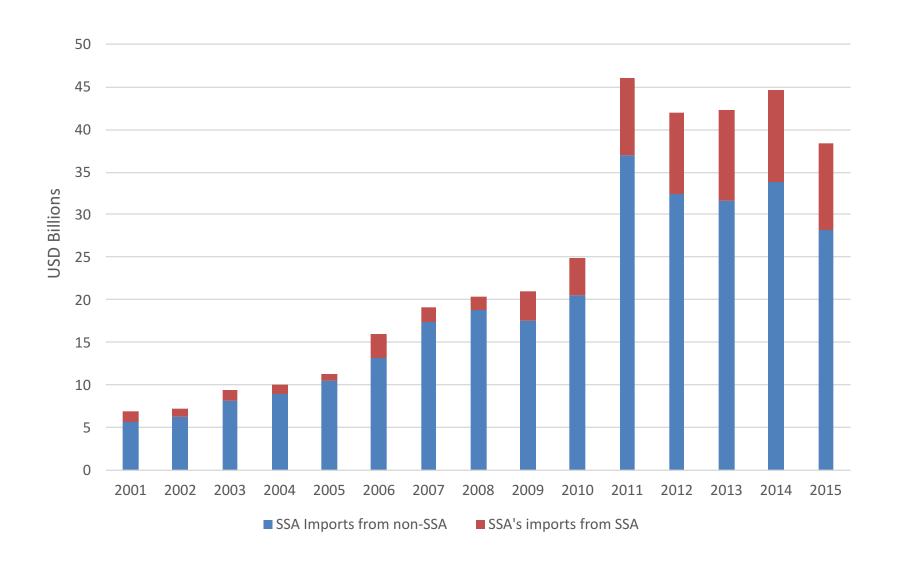
Total Rural Population (millions)

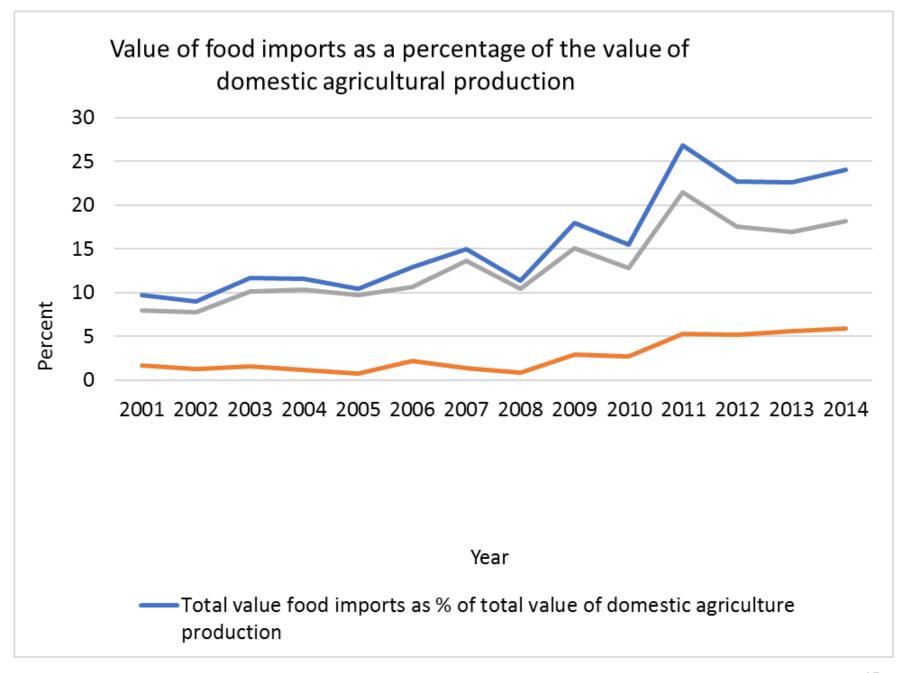


Source: UN 2013

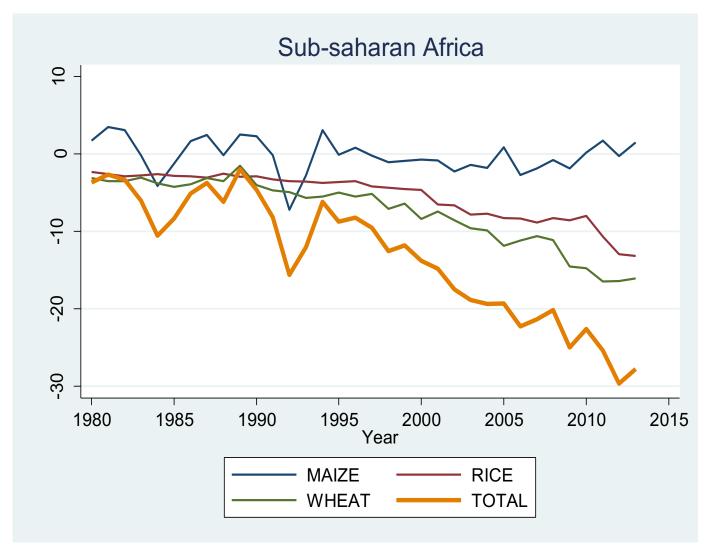


SSA Total Food Imports from 7 to 40 billion USD (2001-2015) (intra SSA trade from 1 to 10 billion USD)



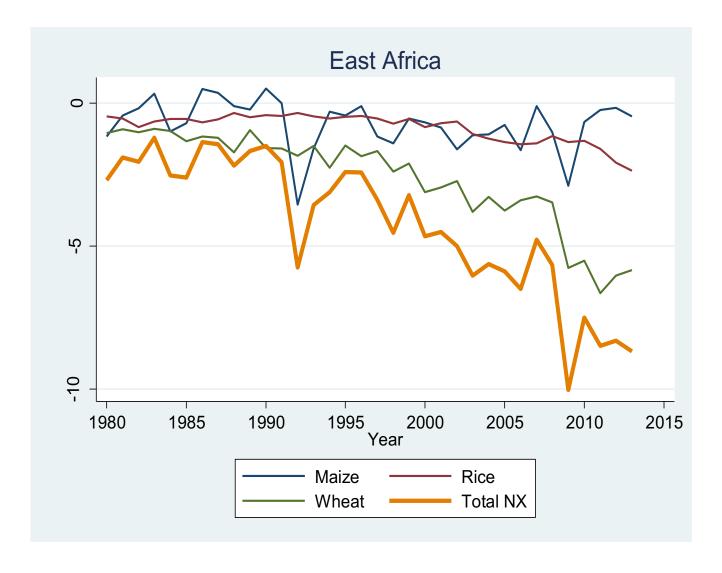


Net cereal exports, Sub-Saharan Africa



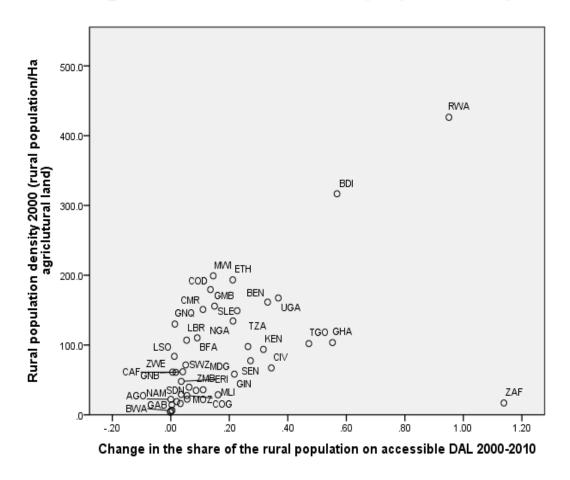
Source: FAOSTAT, 2016

Net cereal exports, East Africa Region

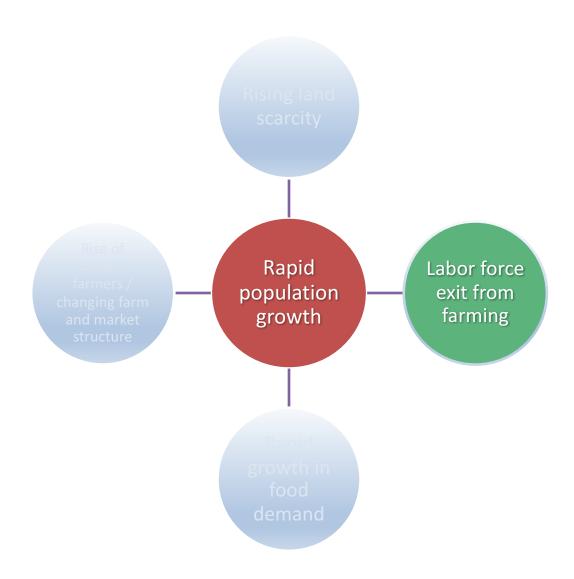


Source: FAOSTAT, 2016

Relationship between % of rural population on degrading agricultural land and pop density

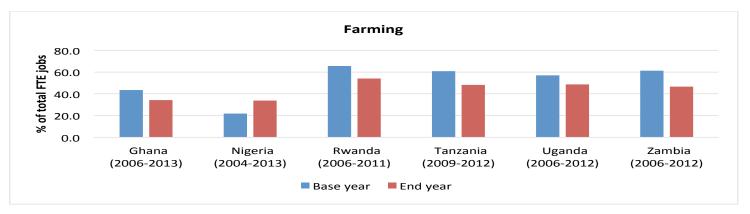


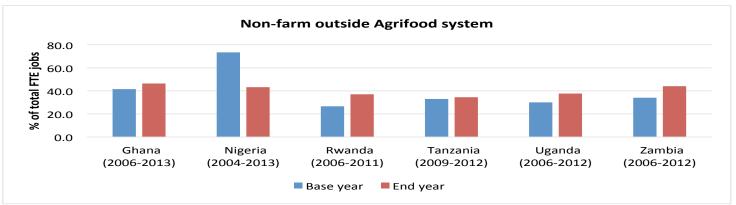
- Roughly 28% of rural population in SSA live on degrading agricultural land.
- 43 million additional people living on DAL between 2000-2010

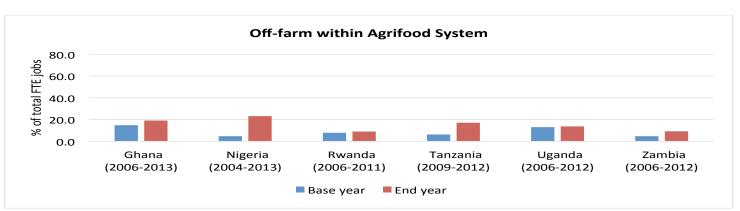


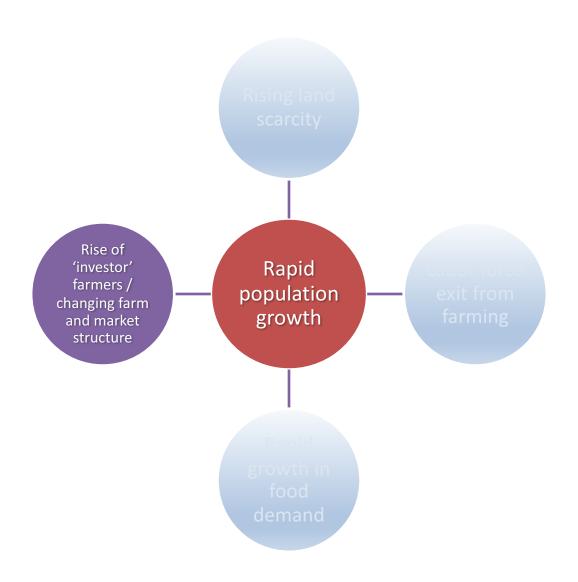


Changes in the share of total jobs in farming, non-farm and off-farm agrifood systems, among the working age population (15–64 years)









Changes in farm structure in Kenya (1994-2006)

Farm size category	Number of farms		% growth in number of farms	% of total cultivated area		
	1994	2006		1994	2006	
0 – 2 ha	1,692,343	2,640,020	56	29.2	46.4	
2 – 5 ha	525,363	332,011	-36.8	32.3	23.5	
5 – 10 ha	93,871	17,451	-81.4	21.4	2.1	
over 10 ha	92,498	19,493	-78.9***	24.5	28	
Total	2,404,075	3,008,975		100	100	

Source: Kenya National Bureau of Statistics

Changes in farm structure in Tanzania (2008-2012), National Panel Surveys

	Number of farms (% of total)		% growth in number of farms between initial and latest year	% of total operated land on farms between 0-100 ha		
Farm size	2008	2012		2008	2012	
0 – 5 ha	5,454,961 (92.8)	6,151,035 (91.4)	12.8	62.4	56.3	
5 – 10 ha	300,511 (5.1)	406,947 (6.0)	35.4	15.9	18.0	
10 – 20 ha	77,668 (1.3)	109,960 (1.6)	41.6	7.9	9.7	
20 – 100 ha	45,700 (0.7)	64,588 (0.9)	41.3	13.8	16.0	
Total	5,878,840 (100%)	6,732,530 (100%)	14.5	100.0	100.0	

Share of farmland on farms 5-100 ha from 38% to 44% in 4 years

Changes in farm structure in Ghana (1992-2013)

Ghana	Number of farms		% growth in number of farms	% of total cultivated area			d	
	1992	2013		1992		2013		
0-2 ha	1,458,540	1,582,034	8.5	25.1		14.2		
2-5 ha	578,890	998,651	72.5	35.6		31.3		
5-10 ha	116,800	320,411	174.3	17.2		22.8		
10-20 ha	38,690	117,722	204.3	11.0		16.1	_	5
20-100 ha	18,980	37,421	97.2	11.1		12.2		
>100 ha		1,740	-			3.5		
Total	2,211,900	3,057,978	38.3	100		100		

Source: Ghana GLSS Surveys, 1992, 2013, Jayne et al., 2016, using data from Ghana GLSS Surveys I and IV.

Changes in farm structure in Zambia (2001-2012)

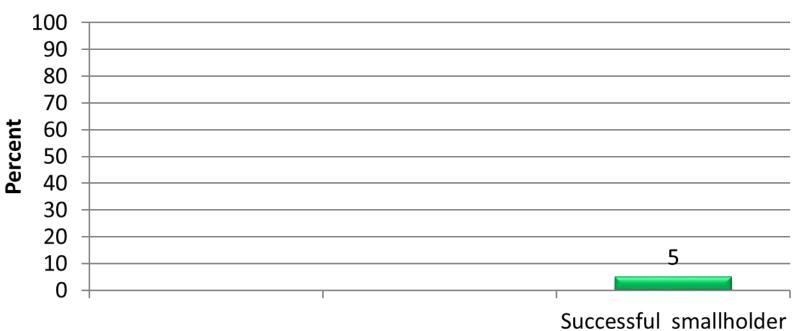
Farm size category	Number of farms		% growth in number of farms	% of total cultivated area		
	2001	2012		2001	2012	
0 – 2 ha	638,118	748,771	17.3	34.1	16.2	
2 – 5 ha	159,039	418,544	163.2	45	31.7	
5 – 10 ha	20,832	165,129	692.6	14.3	25.0	
10 – 20 ha	2,352	53,454	2272.7	6.6	15.0	
20 – 100 ha		13,839	na		12.1	
Total	820,341	1,399,737		100	100	

Source: Zambia MAL Crop Forecast Surveys, 2001 and 2012

Characteristics of "emergent farmers"

Rise of the medium-scale farmers

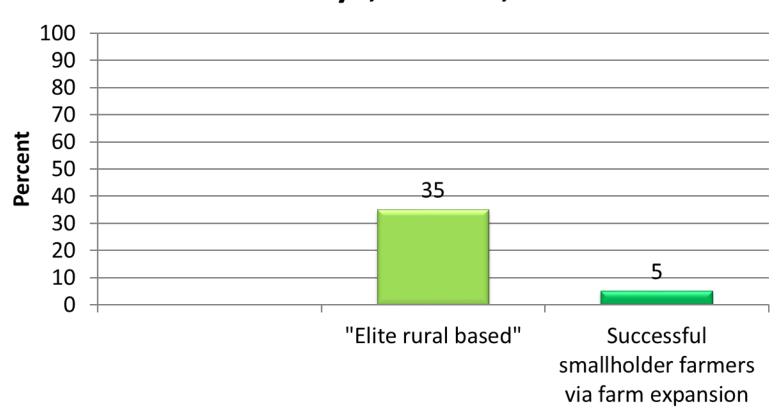
Three sub-categories of medium scale farmers (Kenya, Zambia, Ghana)



Successful smallholder farmers via farm expansion

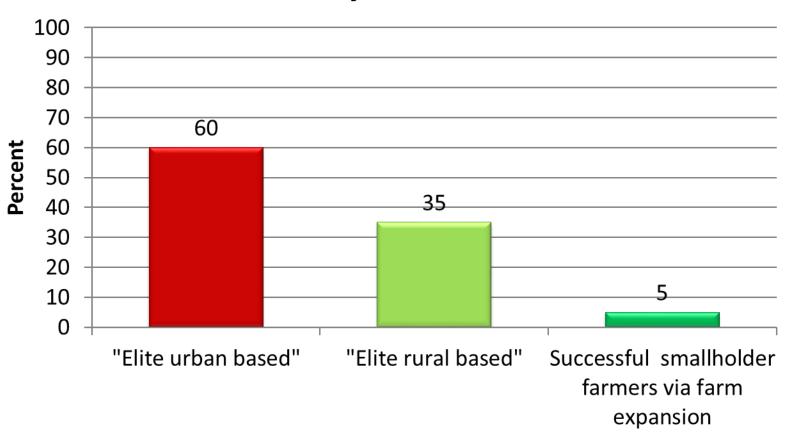
Rise of the medium-scale farmers

Three sub-categories of medium scale farmers: Kenya, Zambia, Ghana



Rise of the medium-scale farmers

Three sub-categories of medium scale farmers: Kenya, Zambia, Ghana



Type 1: Urban-based investor farmer

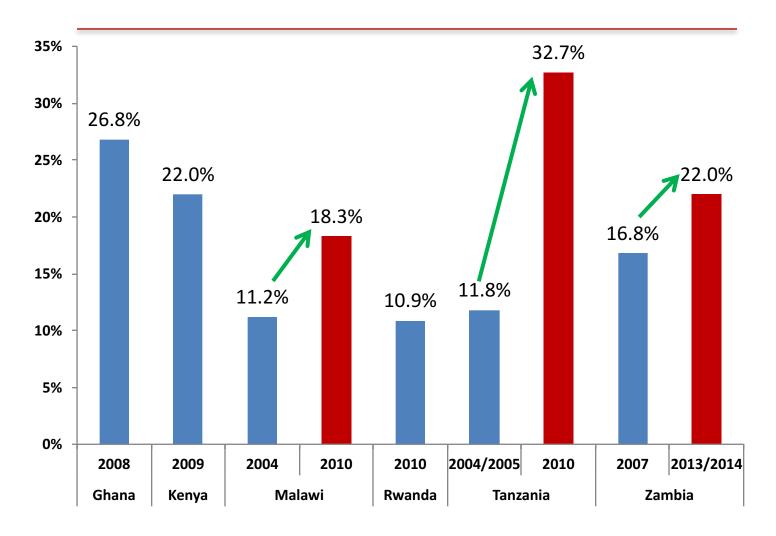
		Mode of entry to medium-scale farming status: acquire farm using non-farm income		
		Zambia	Kenya	
		(n=164)	(n=180)	
% of cases		58	60	
% men		91.4	80	
Year of birth		1960	1947	
Years of education of head		11	12.7	
Have held a job other than farmer (%)		100	83.3	
Formerly /currently employed by the public sector (%)		59.6	56.7	
Current landholding size (ha)		74.9	50.1	
% of land currently under cultivation		24.7	46.6	
Decade when land was acquired				
1969 or earlier		1.1	6	
1970-79		5.1	18	
1980-89		7.4	20	
1990-99		23.8	32	
2000 or later		63.4	25	

Type 2: Rural-based 'elite' farmer

	Mode of entry into medium-scale farming status: expansion of rural elite		
	Zambia	Kenya	
	(n=118)	(n=120)	
% of cases	42	40	
% men	92.9	82.5	
Year of birth	1966	1945	
Years of education of head	8.2	7.5	
Have held a job other than as a farmer (%)	32.9	17.5	
Landholding size when operator started own household (ha)	10.7	16.2	
Current landholding size (ha)	38.2	32.7	
% of land currently under cultivation	46.9	54.1	
Decade when land was acquired			
1969 or earlier	3.9	29	
1970-79	6.7	24	
1980-89	14.8	20	
1990-99	32.2	18	
2000 or later	42.0	9	

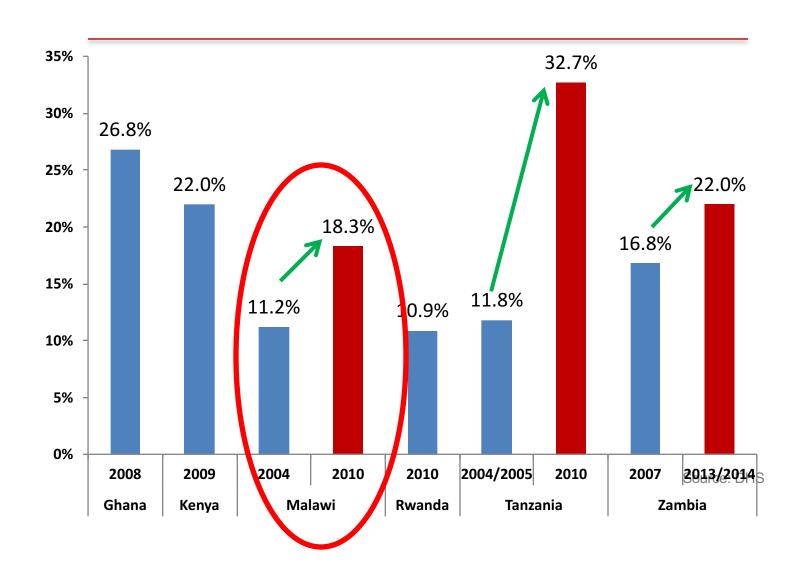
Source: MSU, UP, and ReNAPRI Retrospective Life History Surveys, 2015

% of National Landholdings held by Urban Households



Source: Demographic and Health Surveys, various years between 2004-2014.

% of National Landholdings held by Urban Households

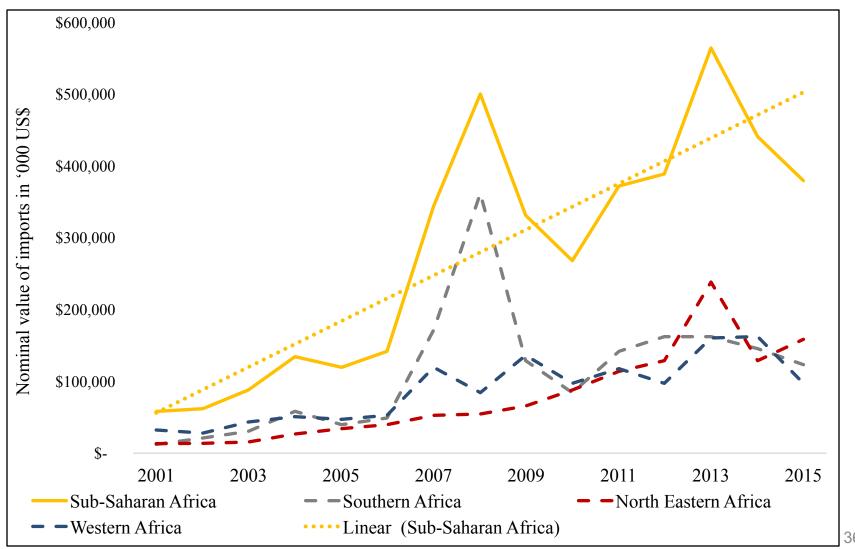


GINI coefficients in farm landholding

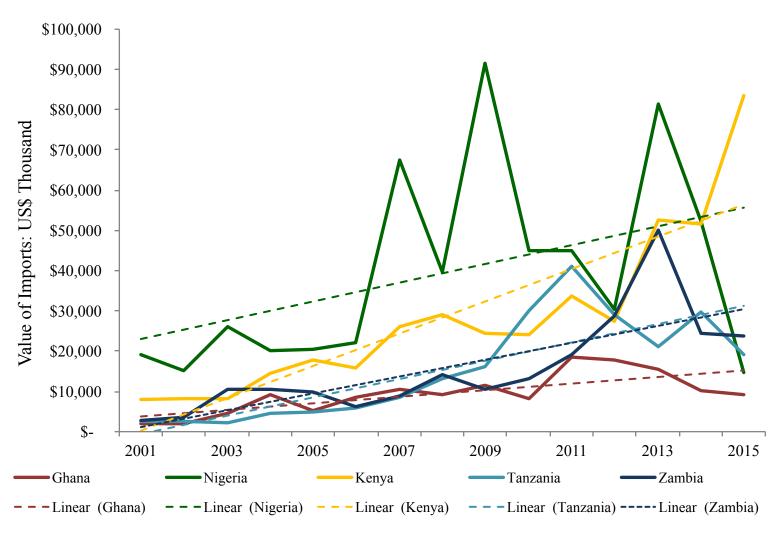
	Period	Movement in Gini coefficient:
Ghana (cult. area)	1992 → 2013	0.54 -> 0.70
Kenya (cult. area)	1994 → 2006	0.51 → 0.55
Tanzania (landholdings)	2008 -> 2012	0.63 -> 0.69
Zambia (landholding)	2001 → 2012	0.42 -> 0.49

Source: Jayne et al. 2014 (JIA)

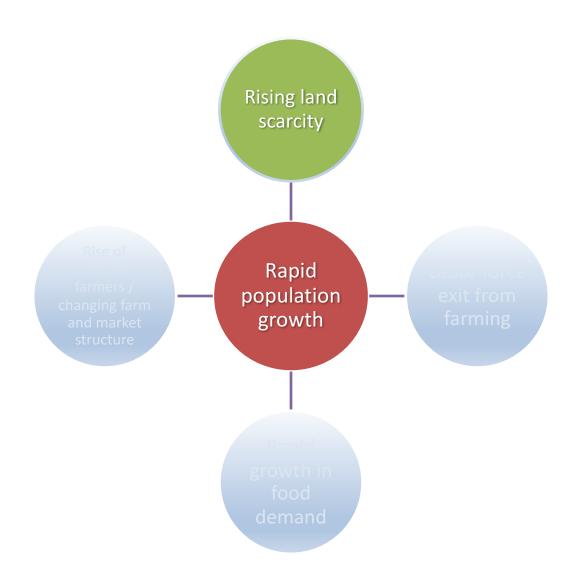
Nominal value of tractor imports to Sub-Saharan Africa (excluding South Africa), 2001-2015



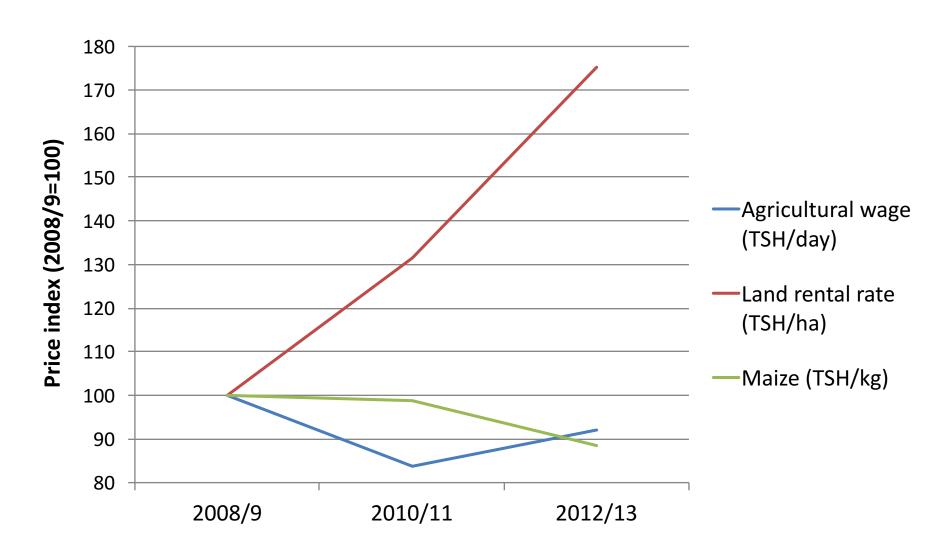
Nominal value of tractor imports in selective Sub-Saharan African countries (2001-2015)



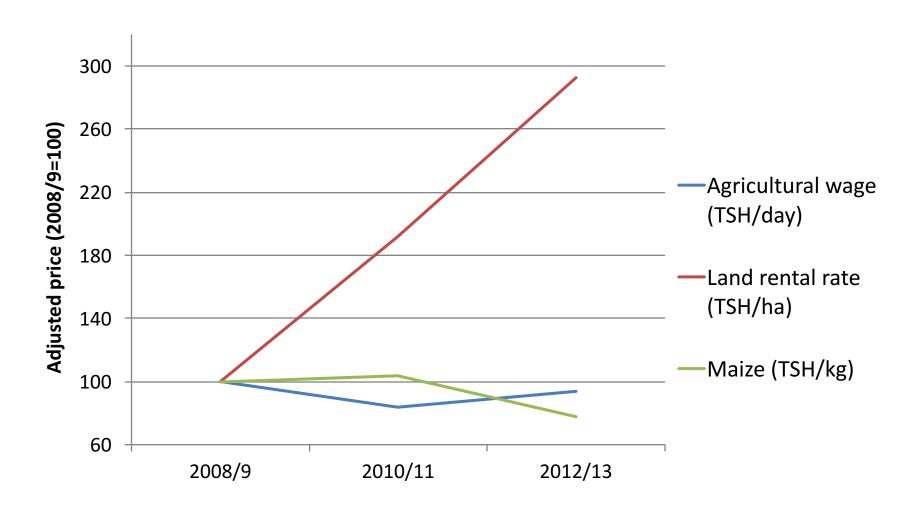
Five inter-related trends



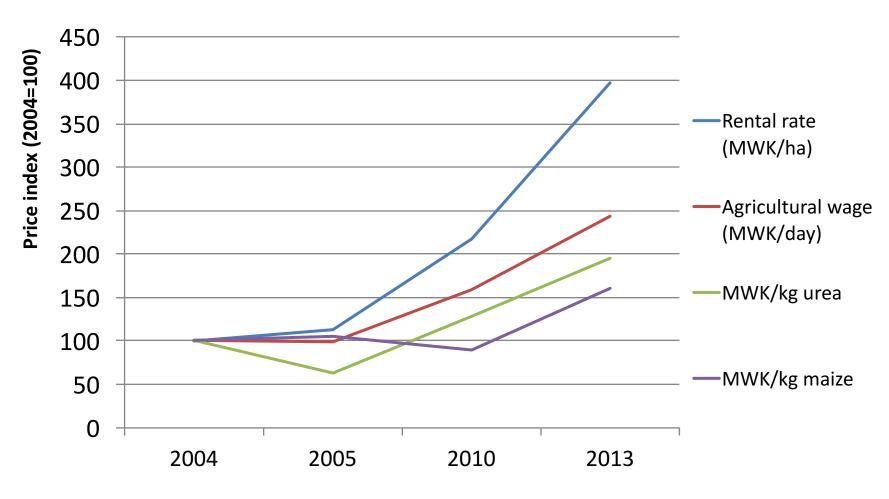
Output and factor price indices, northern Tanzania



Output and factor price indices, western Tanzania

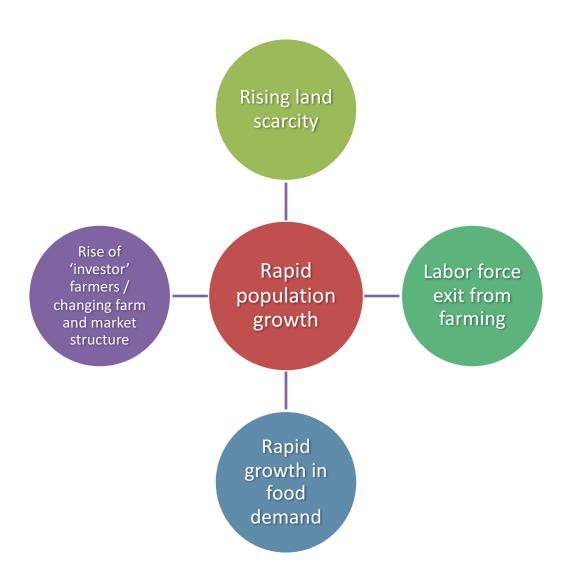


Output and factor price indices, rural Malawi, 2004-2013



Sources: IHS for land and wages; FEWSNET for urea and maize

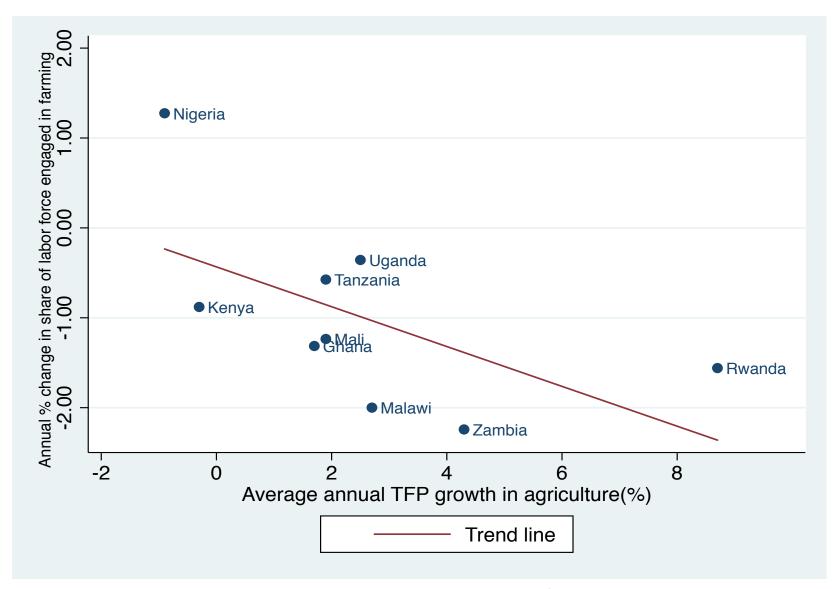
Five inter-related trends



Conclusions

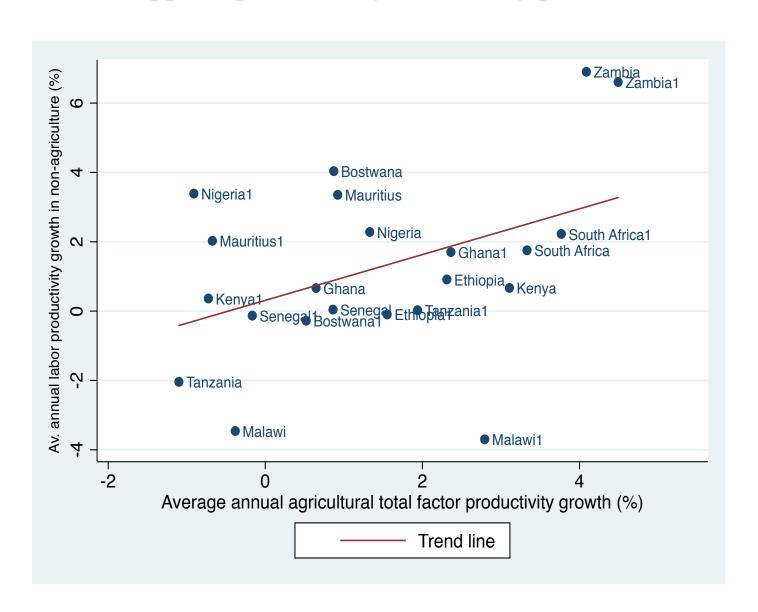
- Performance of agriculture will continue to exert major influence on job growth and income growth in overall economy
- 2. Agricultural productivity growth will be the cornerstone of any comprehensive youth livelihoods strategy:
 - Ag productivity growth influences
 - pace of labor force exit out of farming
 - Labor productivity in broader economy

Share of labor force in farming is declining most rapidly where agricultural productivity growth is highest



Source: Yeboah and Jayne, 2016

Non-farm labor productivity growth linked to lagged agricultural productivity growth



Conclusions (cont.)

3. Important changes in the distribution of farm sizes

- Decline in share of farmland under 5 hectare farms
- Rise of medium-scale farms
- Rising inequality of farmland distribution
- Growing land scarcity driven by middle/high income urban people seeking to acquire land – not just for farming
 - speculation, housing/properties, farming
 - Rise of new towns converting formerly remote land into valued property

Conclusions (cont.)

Ag sector policies must anticipate and respond to

- rising land prices, decline of inheritance, market as increasingly important mode of acquiring land
- Resources needed for youth to succeed in farming (access to land, finance)
- Distinguish between "trying to keep youth in agriculture" vs. "giving youth viable choices"

Bottom line conclusions

Economic transformation in SSA will require:

- Enlightened policies → evidence → research
- Strengthen educational system
- Strengthen African public institutions, including agricultural policy institutes
- Process matters

Governments hold the key!

