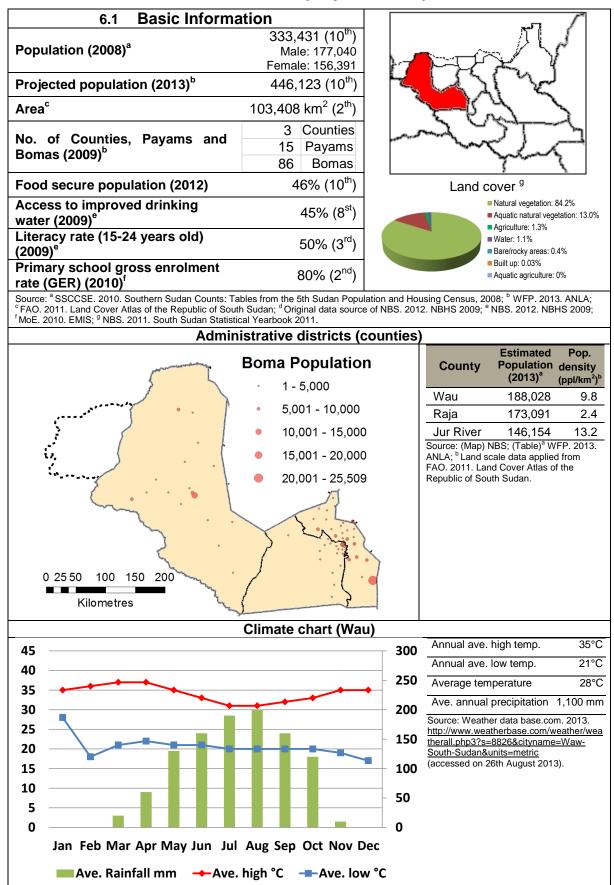
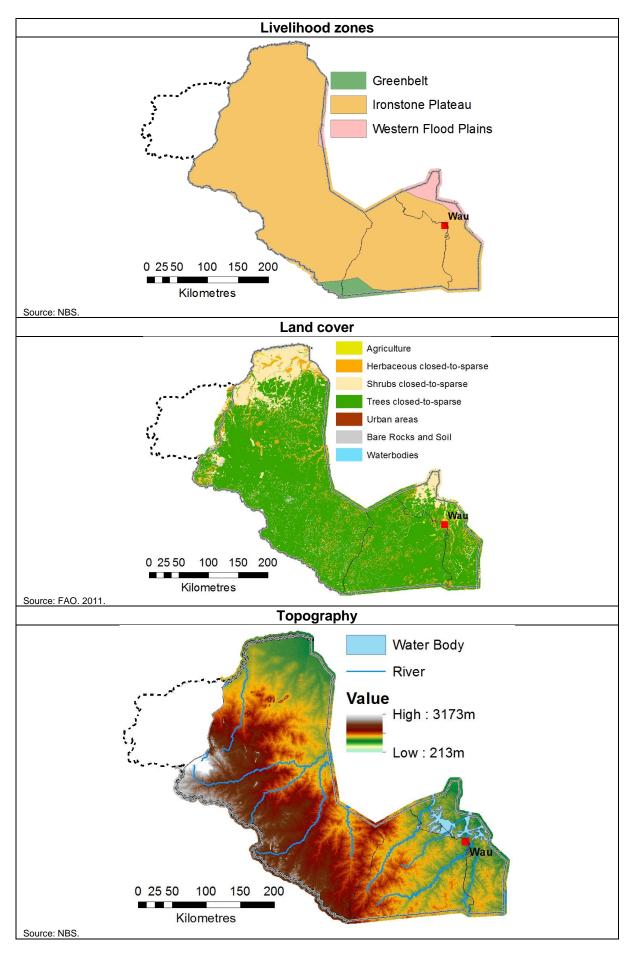
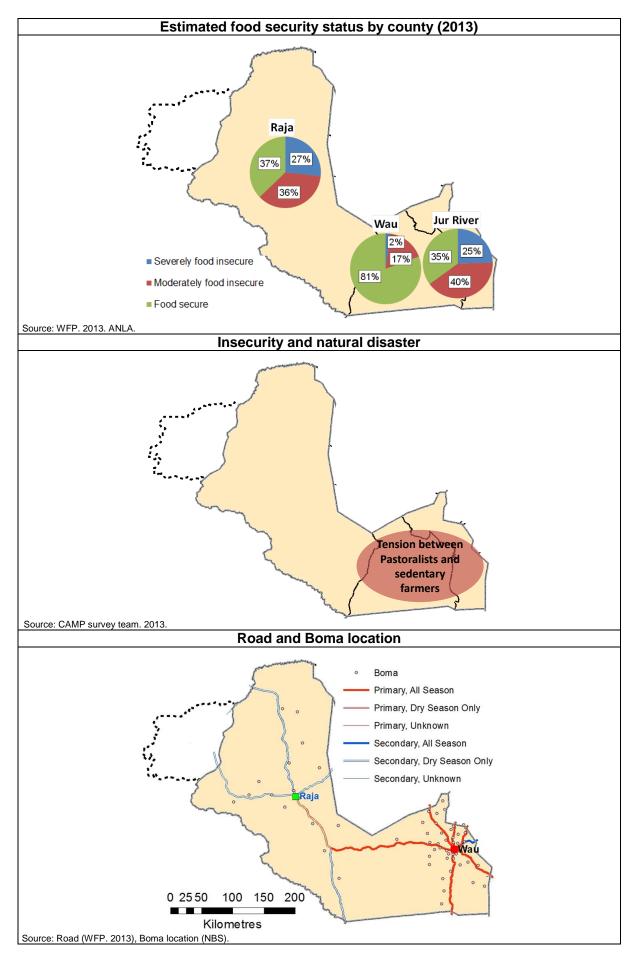
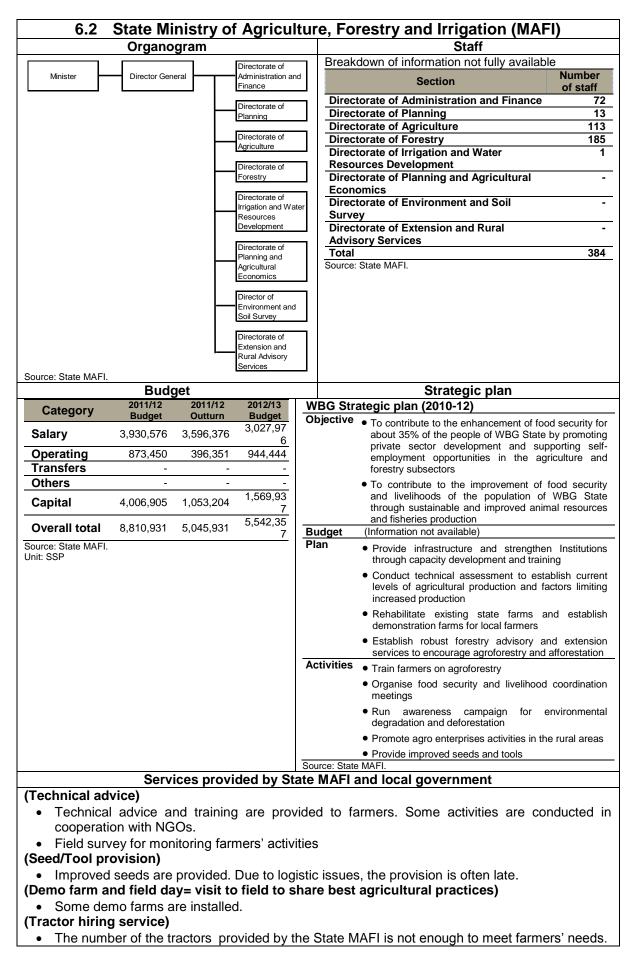
6 Western Bahr el Ghazal State (Capital: Wau)









	6.3 Crop		
	Services provided by DI		
Organisation	Activities	Area	Target
ACTED (Agency for Technical Cooperation and Development)	 Following technical advices are provided: Land preparation Vegetable growing Inter-cropping Compost making Small-scale irrigation 	Wau and Jur river Counties	Vulnerable groups
Dorcas Aid	 Financial management Seeds and tools provision Provide technical advice and training. 	Wau County	Vulnerable
International	Install demo plots for agricultural development. DPs are mainly delivery of training and provision of tools	-	groups
	Services provided by p	rivate sector	
 The charge (Agro dealer) Improved set The shop or customers. (Financial institute) 	ew private tractor providing hiring service is SSP 250/feddan for ploughing. eeds, mainly imported from Sudan, are a wner conducts germination test and give tion) Bank of South Sudan provides a loan s	available in a hardware es technical advice as v	vell to the

	Ma	arket				
Agricult	tural products and	their origin (Wau	u, May 2013)			
		(Others)				
Туре	Origin	Item	Туре	Origin		
Import	Sudan	Tomoto	Import	-		
Domestic	-	Tomato	Domestic	Wau		
Import	Uganda	Egg plant	Import	-		
Domestic	Ezo (WE State)	Egg plant	Domestic	Wau		
Import	Sudan	Okro	Import	Uganda		
Domestic	-	Okia	Domestic	Wau		
Import	Uganda		Import	Sudan		
Domestic	-	Okra (Flour)	Domestic	-		
Import	Sudan	low's mallow	Import	-		
Domestic	-	Jewsmallow	Domestic	Wau		
Import	-	Cingar (Driad)	Import	Sudan		
Domestic	Wau	Ginger (Dried)	Domestic	-		
y team 2013. sentative sample. atoria						
5	Type Import Domestic Import Domestic Import Domestic Import Domestic Import Domestic (team 2013. sentative sample.	Agricultural products and Type Origin Import Sudan Domestic - Import Uganda Domestic Ezo (WE State) Import Sudan Domestic - Import Sudan Domestic - Import Uganda Domestic - Import Sudan Domestic - Import - Domestic - Import - Domestic - Import - Domestic - Import - Domestic - Sentative sample. -	Agricultural products and their origin (WatContent origin (WatTypeOriginImportSudanDomestic-ImportUgandaDomesticEzo (WE State)ImportSudanDomestic-ImportUgandaDomestic-ImportUgandaDomestic-ImportSudanDomestic-ImportSudanDomestic-ImportSudanDomestic-ImportSudanDomestic-ImportSudanDomestic-ImportSudanSource: CAMP surver* This is not a represe	Agricultural products and their origin (Wau, May 2013)(Others)TypeOriginImportSudanItemTypeImportSudanTomatoImportDomestic-Egg plantImportImportSudanOkraImportDomestic-OkraImportImportUgandaOkraImportDomestic-ImportDomesticImportUgandaOkra (Flour)ImportDomestic-ImportDomesticImportSudanJew's mallowImportDomestic-ImportDomesticImport-DomesticImportDomestic-ImportDomesticImportSudanSource: CAMP survey team 2013.This is not a representative sample.		

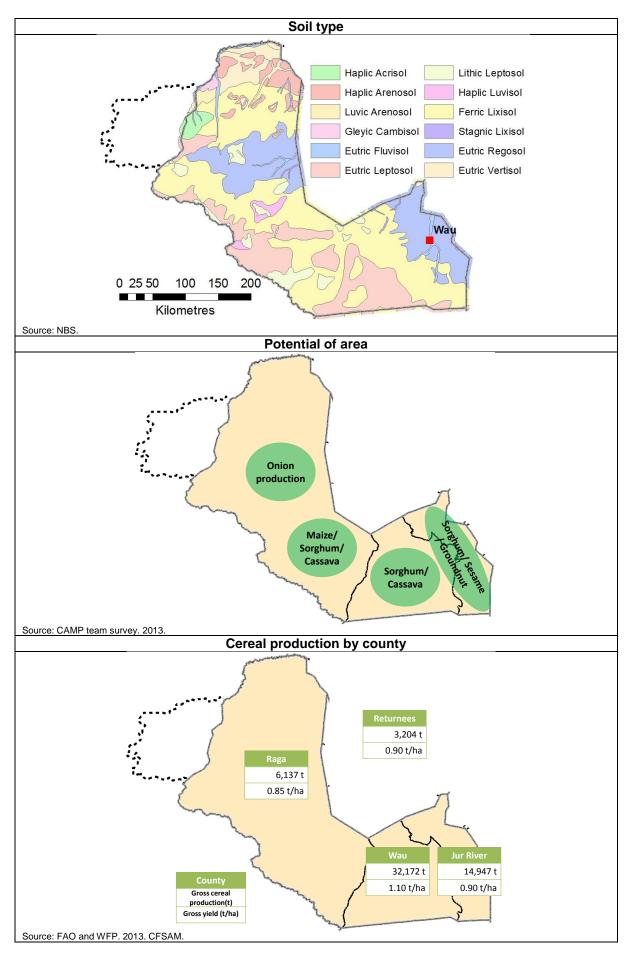
	Market pri	ce (Retail price,	Wau, May 2	201:	3)	
ltem			Price (S			
Item	Unit	Low season		-		High season
Sorghum (Domestic)	Sack (100 kg)	Feb-May	300	-	500	May-Aug
Sorghum (Import)	Sack (100 kg)	Feb	500	-	800	Aug
Maize (Domestic/WE State)	Sack (100 kg)	Feb	200	-	300	Aug
Maize (Import)	Sack (50 kg)	Feb-May	150	-	200-280	May-July
Maize flour (Import)	Sack (50 kg)	Aug-Dec	230	-	250	Jan-July
Wheat flour (Import)	Sack (100 kg)	Depend on market demand	360	-	380	Depend on market demand
Pearl Millet (Import)	Sack (100 kg)	Fab	350	-	400	Aug
Groundnut (Domestic)	Sack (100 kg)	Feb-May	120	-	180	May-Aug
Eggplant (Domestic)	4 pieces	Aug-Nov	5	-	10	Jan-May
Tomato (Domestic)	Piece	July-Dec	5 (4 pieces)	-	5 (3 pieces)	Jan-May
Okra (Domestic)	Piece	July-Dec	6 (5 pieces)	-	6 (4 pieces)	Jan-May

Source: CAMP survey team 2013. *1 This is not a representative sample. *2 WE: Western Equatoria

Transpor	tation cost (Wau, May, 2013)		
Туре	Unit	Currency	Cost
(Information not available)	(Information not available)	(Information n	ot available)

Wholesaler/trader)		
Туре	Cost (SSP) (range)	Frequency
Licence	500-1,200	Annually
Police service	30-50	Monthly
Rent charge	300-1,200	Monthly
(Retailer)		-
Туре	Cost (SSP) (range)	Frequency
Rent table	60	Monthly
Market cleaning fee	1	Daily
Security fee	2	Daily
Source: CAMP survey team 2013. This is not a representative sample.		·

	Crop pr	oduction				
Farming household (%) (2012)		78			Survey area	
Farming household (No.) (2012)		58,702		,		Wau Jur river
Total cereal area (ha) (2012)		56,635	(9 th)			
Cereal gross yield (t/ha) (2012)		1.00	(3 rd)	·		
Gross cereal production (t) (2012)		56,460	(8 th)		2 Juni	1
Average cereal area per hou (ha/hh) (2012)	usehold	0.96	(4 th)			
Source: FAO and WFP. 2013 CFSAM.		ion (2009-2	2012)			
Total cereal harvested area (ha) and a	•		,	real produ	uction (t) and a	verade
cereal area per household (ha/h		rotar gr		cereal yie		lage
180,000	1.40	200,000				1.80
160,000	- 1.20	180,000				- 1.60
140,000		160,000				- 1.40
	- 1.00	140,000				- 1.20
120,000	- 0.80	120,000				- 1.00
100,000	- 0.60	100,000				- 0.80
80,000	- 0.00	80,000				_
60,000	- 0.40	60,000				- 0.60
40,000	0.20	40,000				0.40
	0.00	20,000				- 0.20
20,000 2009 2010 2011 20	0.00	0				0.00
Cereal Area (ha)	12		2009	2010	2011 2012	
Source: Aggregate from CFSAM 2010, 2011, 2012 and	2013.	Source: Agare	Produc	()	—Yield (t/ha 10, 2011, 2012 and 20	,
Crop p		by livelihoo	od zon	е		
Ironstone Plateau M	aior agricul	tural produc		stern Flo	od Plains	
Crop Vegetable	ajor agrica	Crop			Vegetable	
Sorghum Onion Maize Okra		Sorghum Bean			Tomato Onion	
Cassava Tomato		Finger mil	llet		Water melon	
Bean Pumpkin		Cash Cro	р			
Cash CropWatermelonGroundnutJew's mallow	/	Groundnu Sesame	It			
Sesame		Costante				
Cowpea	Cronning	g calendar				
Crop Jan Feb Mar Apr May Jun Jul Aug Sep		Crop	Jan Feb	Mar Apr Mav	Jun Jul Aug Sep O	ct Nov Dec
Sorghum L L S S S H		Sorghum	L	L S S	H (shor	
Maize L S H		Groundnut	L	L S S	S H (short)	
Cassava (2yrs) H L S S		Bean	L	L S S	H H H	
Groundnut L S S S S	H H H	Finger millet	L	L S S		H
Sesame H L S S S H		Tomato	Р		round by small-scale irriga	
	H	Okra	L	L S S		I H
Okra L S H H		Water melon		LSS		
L Land preparation S Sowing T Tansplanting	H Harvesting	L Land prepar	ration S	Sowing	Tansplanting H	Harvesting



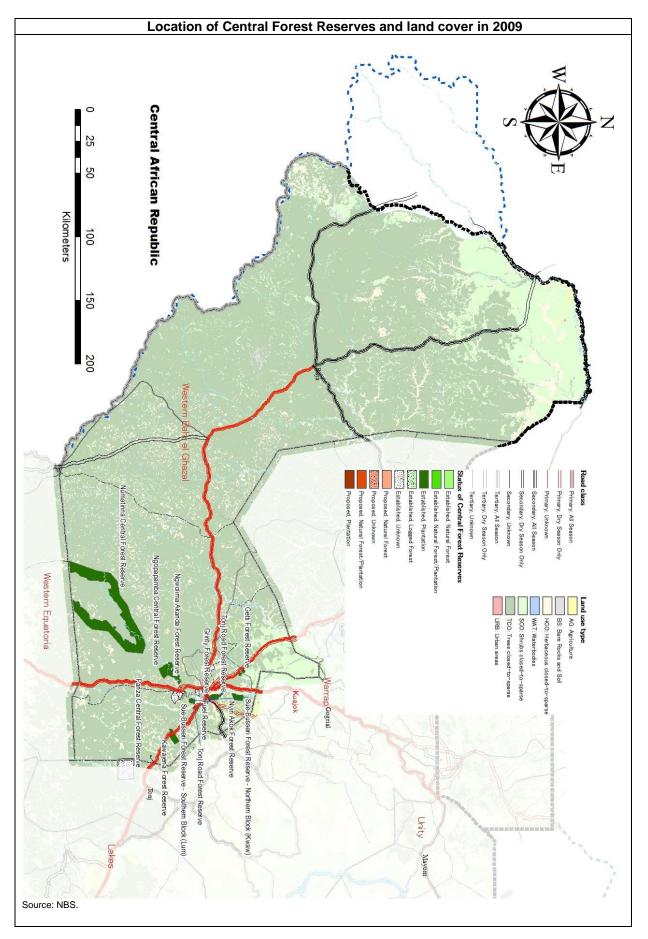
Cross cutting issues
(Land)
 Tension between pastoralist and sedentary farmers
(Gender)
 Women take important role in agricultural production.
 Women have a voice in village meetings. However, decision making is done by men in many cases.
(Security)
 Tribal conflicts occurred in 2012. There is still tension between two tribes. (IDPs and returnees)
• Land is usually allocated to IDPs and returnees. However, their living standards are relatively lower than the average.
(HIV)
The infection rate is unknown.
Opportunities
Сгор
Vast unutilized land
Suitable soil for cultivation
Abundant labour force
Challenges
Overall
 Feeder roads are not well established.
 Poor access to financial institutions
High tax rates
High transport costs
High labour costs
Сгор
 Underdeveloped agricultural extension system
 Financial services are not available for many farmers.
No effective pest and disease control methods
 Inadequate post-harvest facilities lower net production

• Inadequate post-harvest facilities lower net production.

	6.4 Forestry On-going and proposed	l nroiects	
	List of on-going proje		
Project name	Objectives/activities	Duration	Annual cost
Agro-forestry (DECCOPE)	Introduce fruit seedling for sustainability management	2 years	(Information not available)
Multi-Purpose Tree Services (MPTS) Nursery Peace Corp Source: CAMP team survey. 2013.	Propagate and distribute seedlings for forest conservation	(Information not available)	(Information not available)
	List of proposed proje	ects	
Project name	Objectives/activities	Duration	Annual cost
Nursery development	Propagate seedlings for plantation	(Information not available)	(Information not available)
Afforestation	Develop plantation	(Information not available)	(Information not available)
Agro-forestry	Introduce agro-forestry practice	(Information not available)	(Information not available)
Rehabilitation of saw milling	Increase timber production	(Information not available)	(Information not available)
Capacity building	Train farmers on forest management	(Information not available)	(Information not available)
Coppice management	Improvement of stock	(Information not available)	(Information not available)
Rehabilitation of Forestry Development HOR office	Improve work environment for effective services provision	Oct. 2013-May 2014	1,913,171.64
Rehabilitation of Pongo Nuer Saw mill	Increase timber production	Oct. 2013- Dec. 2014	599,366
Training of staff on agro- forestry and extension service	Develop staff's capacity for effective extension services	Nov. 2013- Jan. 2014	65,000
Awareness campaign on environmental degradation and deforestation	Enlighten farmers on importance of environmental conservation	(Information not available)	10,000
Establishment of agro- forestry nurseries	Promote agro-forestry in the communities	Oct. 2013- Nov. 2013	97,838

			Land co	over pe	rcentag	e to tot	al area		
County	AG	TCO	SCO	HCO	URB	BS	WAT	Total area	Total area (ha)
Jur River	8.2%	66.3%	15.6%	9.5%	0.0%	0.0%	0.4%	100.0%	1,111,155
Raga	0.3%	71.4%	19.3%	7.6%	0.0%	0.5%	1.0%	100.0%	7,305,684
Wau	1.1%	88.1%	1.2%	7.4%	0.1%	0.2%	2.0%	100.0%	1,923,927
Total	1.3%	73.9%	15.5%	7.8%	0.0%	0.3%	1.1%	100.0%	10,340,766

Source: FAO. 2011. Land cover atlas of South Sudan. Rome: FAO. Legend: AG=Agriculture, TCO=Tree closed-to-sparse, SCO=Shrubs closed-to-sparse, HCO=Herbaceous closed-to sparse, URB=Urban areas, BS=Bare Rocks and Soil, and WAT=Waterbodies.

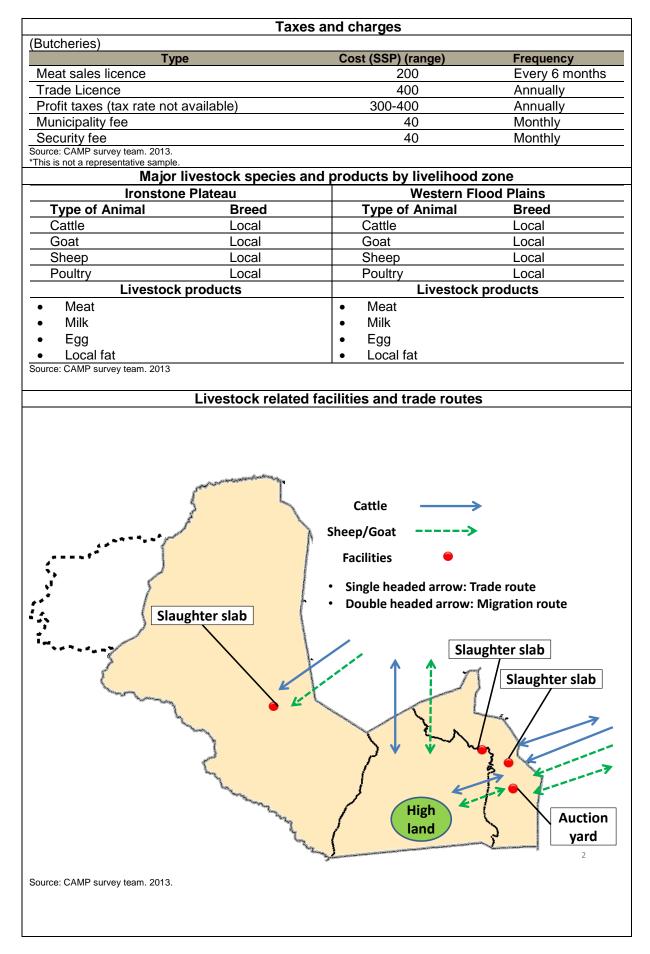


6.	5 Stat	e Ministry	of Anima	l Resour	ces	and Fisheries (MARF)
		Organogra	am			Staff
						Breakdown of information not available
Minister		Director General		Directorate of		Section Number of staff
				Fisheries		Directorate of Fisheries -
			- I G	Directorate of		Department of Control (-)
				Animal Produc	tion	Department of Fisheries (-) Directorate of Animal
						Production
				Directorate of		Department of Animal Production (-) Department of Animal Health (-)
				Veterinary Serv	/ices	Directorate of Veterinary -
			- I G	Directorate of		Services
				Human Resou	rces	Directorate of Human - Resources Development -
				Development		Directorate of Finance and -
				Directorete of		Administration
				Directorate of Finance and		Department of Accounts (-) Department of Procurement (-)
				Administration		Department of Human Resource (-)
Source: State MA	RF.		_			Department of Planning (-) Department of Administration (-)
						Total 249
						Source: State MARF.
		ıdget				Strategic plan
Category	2011/12 Budget	2012/13 Outturn	2013/14 Budget	WBG Stat		ategic plan (2012-15)
Salary	(Data not		144,021,638	Objective		contribute to the enhancement of food security about 35% of the people of WBG State by
Calary	available)	100,001,004	144,021,000			proting private sector development and
Operating	(Data not available)	19,992,977	44,850,556		sup	oporting self-employment opportunities in the
Transfers	(Data not				-	riculture and forestry subsectors
Transiers	available)	-	-			contribute to the improvement of food security d livelihoods of the population of WBG State
Others	(Data not available)	-	-			ough sustainable and improved animal
0	(Data not	0.574.044	40.000.405		res	ources and fisheries production
Capital	available)	9,571,841	12,606,195	Budget Plan	,	ormation not available)
Overall total	(Data not available)	166,396,622	201,478,389	Plan		ovide infrastructure and strengthen Institutions rough capacity development and training
Source: State MA	RF.				• Co	onduct technical assessment to establish
Unit: SSP						rrent levels of animal production and factors iting increased production
					es	omote animal and poultry disease control and tablish livestock marketing mechanism
					me	omote establishment of fisheries marketing echanism
				<u> </u>		stablish poultry houses, quarantine, fence and stalled electricity and water supply
				Activities	the	onduct different training for staff at the state and e counties
					WC	tiate the formation of community animal health orkers associations
					an	ain veterinary pharmacists on basic dispensing d animal health prophylactic treatment
					ele	oultry houses constructed and supplied with ectricity and water
				Source: State		
			ded by Sta	te MARF	and	local government
(Animal pro						
		al advices to li			_	
		tion through ra	adio progran	nme run by	Stat	e MARF
(Animal hea						
		upport to lives	•	rs		
Technic	cal suppo	rt to livestock	keepers			

	6.6 Livestock		
Ser	vices provided by National governme	nt institutions	
Organisation	Activities	Area	Period
Marialai Dairy Farm	 Training of smallholder dairy farm quality breeds, quality feeds, a health, and milk processing techniqu The target is vulnerable groups. Produce milk and other dairy produ the trainees to improve their livelihood 	animal County es. cts by	r (Information not available)
University of Bahr E Ghazal, college of Ve Services (Wau)	 Undergraduate course (Bachelor de Postgraduate course (MSc and PhD) 	gree) Veterina	
Source: CAMP survey team. 201	Services provided by DPs and	NGOs	
Organisation	Activities	Area	Period
WOTAP (Women Training and Promotion)	 Undertake goat, sheep and poultry restocking program Deliver training and workshops 	Wau County	Throughout the year
WDG (Women Development Group) Intermon Oxfarm	 Provide ox-ploughing attachments and give training. Undertake goat and poultry restocking program Undertake sheep and bull 	Wau County	Throughout the year (Information
FAO	Deliver training to local CAHWs	not available) (Information	not available) (Information
 (Slaughter house) Only one slaught (Livestock market) Livestock market is ruprivate sector: Inspect origin of Provide holding g Provide security 	Provide bicycles for extension work Deliver goat and poultry restocking program <u>a.</u> <u>h Worker</u> Services provided by private set agro-dealers providing veterinary drugs an er slab is run by a private individual. In by the state government. However, follo animals to find out if the animals are stoler grounds	d technical advic	
Provide transpor	t service to butcheries Livestock population		
Type of Animal	Population In	the State	
Cattle	1,200,		
Goat	750,		
Sheep	980,		<u> </u>
Poultry	800,		
Horse		000	
		163	
Pig Dopkov			
Donkey Total		000	
Source: CAMP survey team. 2013	3,727,	103	

		Livest	ock diseas	es		
Type of Animal		Type of disease			Outbreak	area in last 2 years
	Liver problem	s, Contagious bovine onia		The	ere was no ou	tbreak in the last 2 years.
	Anthrax					tbreak in the last 2 years.
	Diarrhoea					tbreak in the last 2 years.
	Haemorrnagio disease	c septicaemia, Foot and mou	ise	Ine	ere was no ou	tbreak in the last 2 years.
		ovine pleuropneumonia				tbreak in the last 2 years.
	Arthritis					tbreak in the last 2 years.
	Diarrhoea Elimentisis					tbreak in the last 2 years. tbreak in the last 2 years.
	Mange					tbreak in the last 2 years.
		ovine Pleura Pneumonia				tbreak in the last 2 years.
	Arthritis					tbreak in the last 2 years.
	Diarrhoea					tbreak in the last 2 years.
	Elimentisis					tbreak in the last 2 years. tbreak in the last 2 years.
	Mange (Information r	ot available)			ormation not a	
¥	(Information r	,			ormation not a	,
Donkey	(Information r	ot available)			ormation not a	,
Source: CAMP	survey team. 201	3.				
		Anima	health iss	ues	5	
		staff and CAHWs (Commur	iity Animal He	alth	Workers) are	not enough to control
	diseases.					
		izing areas because these a		mur	ial lands.	
		enough to keep livestock he sufficient to provide animal h				
• Diugs	supply is not	sumcient to provide animari	Market			
Type of liv	estock and l	ivestock product			Mark	et
Cattle					mestic and se	
Sheep					mestic and se	
Coot				_ n_		
Goat					mestic and se	
Poultry				Do	mestic and se	econdary
Poultry Meat				Do Do	mestic and se	econdary
Poultry				Do Do Do	mestic and se mestic and se mestic and se	econdary
Poultry Meat Egg Milk Honey				Do Do Do Pri	mestic and se	econdary
Poultry Meat Egg Milk Honey	survey team. 201	3.		Do Do Do Pri	mestic and se mestic and se mestic and se mary	econdary
Poultry Meat Egg Milk Honey	survey team. 201		nrket price	Do Do Do Pri	mestic and se mestic and se mestic and se mary	econdary
Poultry Meat Egg Milk Honey Source: CAMP		Ma	· ·	Do Do Pri Pri	mestic and se mestic and se mestic and se mary	econdary econdary econdary
Poultry Meat Egg Milk Honey Source: CAMP	Unit	Ma Low season	Price (S	Do Do Pri Pri	mestic and se mestic and se mary mary (range)	econdary econdary econdary High season
Poultry Meat Egg Milk Honey Source: CAMP	Unit 400 kg	Ma Low season November-April	Price (S 2,000-2,500	Dc Dc Pri Pri	mestic and se mestic and se mestic and se mary mary (range) 3,000-3,500	econdary econdary econdary High season May-October
Poultry Meat Egg Milk Honey Source: CAMP	Unit 400 kg n) 280 kg	Ma Low season November-April November-April	Price (S 2,000-2,500 1,000-1,500	Dcc Dcc Pri Pri	mestic and se mestic and se mary mary (range) 3,000-3,500 2,000-2,500	econdary econdary econdary High season May-October May-October
Poultry Meat Egg Milk Honey Source: CAMP Source: CAMP Bull (big) Bull (big) Bull (medium Heifer	Unit 400 kg n) 280 kg 180 kg	Ma Low season November-April November-April (Information not available)	Price (S 2,000-2,500 1,000-1,500 1,000	Dcc Dcc Prri Prri SSP	mestic and se mestic and se mestic and se mary mary (range) 3,000-3,500 2,000-2,500 1,000	Acondary Acondary Acondary Acondary Aligh season May-October May-October (Information not available)
Poultry Meat Egg Milk Honey Source: CAMP Item Bull (big) Bull (big) Bull (medium Heifer Calf	Unit 400 kg n) 280 kg 180 kg 200 kg	Ma Low season November-April November-April (Information not available) (Information not available)	Price (S 2,000-2,500 1,000-1,500 1,000 500	Do Do Pri Pri SSP	mestic and se mestic and se mary mary (range) 3,000-3,500 2,000-2,500 1,000 500	econdary econdary econdary econdary econdary High season May-October May-October (Information not available) (Information not available)
Poultry Meat Egg Milk Honey Source: CAMP Source: CAMP Bull (big) Bull (big) Bull (medium Heifer Calf Sheep	Unit 400 kg n) 280 kg 180 kg 200 kg 75-80 kg	Ma Low season November-April November-April (Information not available) (Information not available) (Information not available)	Price (S 2,000-2,500 1,000-1,500 1,000 500 150	Dc Dc Pri Pri	mestic and se mestic and se mary mary (range) 3,000-3,500 2,000-2,500 1,000 500 150	High season May-October (Information not available) (Information not available)
Poultry Meat Egg Milk Honey Source: CAMP Bull (big) Bull (big) Bull (mediun Heifer Calf Sheep Goat	Unit 400 kg 280 kg 180 kg 200 kg 75-80 kg 75-80 kg	Ma Low season November-April November-April (Information not available) (Information not available) (Information not available) (Information not available)	Price (S 2,000-2,500 1,000-1,500 1,000 500	Dc Dc Pri Pri	mestic and se mestic and se mary mary (range) 3,000-3,500 2,000-2,500 1,000 500	Acondary Acondary Acondary Acondary Acondary High season May-October May-October (Information not available) (Information not available) (Information not available) (Information not available)
Poultry Meat Egg Milk Honey Source: CAMP Source: CAMP Bull (big) Bull (big) Bull (medium Heifer Calf Sheep	Unit 400 kg n) 280 kg 180 kg 200 kg 75-80 kg	Ma Low season November-April November-April (Information not available) (Information not available) (Information not available)	Price (S 2,000-2,500 1,000-1,500 1,000 500 150 200	Dc Dc Pri Pri	mestic and se mestic and se mary mary (range) 3,000-3,500 2,000-2,500 1,000 500 150 200	High season May-October (Information not available) (Information not available)
Poultry Meat Egg Milk Honey Source: CAMP Item Bull (big) Bull (medium Heifer Calf Sheep Goat Milk	Unit 400 kg 180 kg 200 kg 75-80 kg 75-80 kg 500 ml	Ma Low season November-April November-April (Information not available) (Information not available) (Information not available) (Information not available) (Information not available)	Price (S 2,000-2,500 1,000-1,500 1,000 500 150 200 3	Do Do Pri Pri SPP	mestic and se mestic and se mestic and se mary mary (range) 3,000-3,500 2,000-2,500 1,000 500 150 200 33	econdary May-October (Information not available) (Information not available) (Information not available)
Poultry Meat Egg Milk Honey Source: CAMP Source: CAMP Sou	Unit 400 kg 180 kg 280 kg 200 kg 75-80 kg 75-80 kg 500 ml 600 ml 1 kg	Ma Low season November-April November-April (Information not available) (Information not available) (Information not available) (Information not available) (Information not available)	Price (S 2,000-2,500 1,000-1,500 1,000 500 500 150 200 3 3	Dc Dc Pri Pri SSP - - - - - - - - - - - -	mestic and se mestic and se mary mary (range) 3,000-3,500 2,000-2,500 1,000 500 150 200 33	High season May-October (Information not available) (Information not available)
Poultry Meat Egg Milk Honey Source: CAMP Source: CAMP Bull (big) Bull (big) Bull (medium Heifer Calf Sheep Goat Milk Honey Meat (beef)	Unit 400 kg 180 kg 200 kg 75-80 kg 500 ml 600 ml 1 kg 2 1 kg	Ma Low season November-April November-April (Information not available) (Information not available) (Information not available) (Information not available) (Information not available) (Information not available) (Information not available)	Price (S 2,000-2,500 1,000-1,500 1,000 500 150 200 3 155 20	Dc Dc Pri Pri SSP - - - - - - - - - - - -	mestic and se mestic and se mary mary (range) 3,000-3,500 2,000-2,500 1,000 500 150 200 3 3 150 200	High season May-October (Information not available) (Information not available)
Poultry Meat Egg Milk Honey Source: CAMP Source: CAMP Bull (big) Bull (medium Heifer Calf Sheep Goat Milk Honey Meat (beef) Meat (sheep and goat) Egg (exotic) Milk tea	Unit 400 kg 180 kg 200 kg 75-80 kg 500 ml 600 ml 1 kg 2 1 kg	Low season November-April November-April (Information not available) (Information not available)	Price (S 2,000-2,500 1,000-1,500 1,000 500 150 200 3 3 15 20 30	Dc Dc Pri Pri SSP - - - - - - - - - - - - - - - - - -	mestic and se mestic and se mary mary (range) 3,000-3,500 2,000-2,500 1,000 500 150 200 33 155 200 30	High season May-October (Information not available) (Information not available)

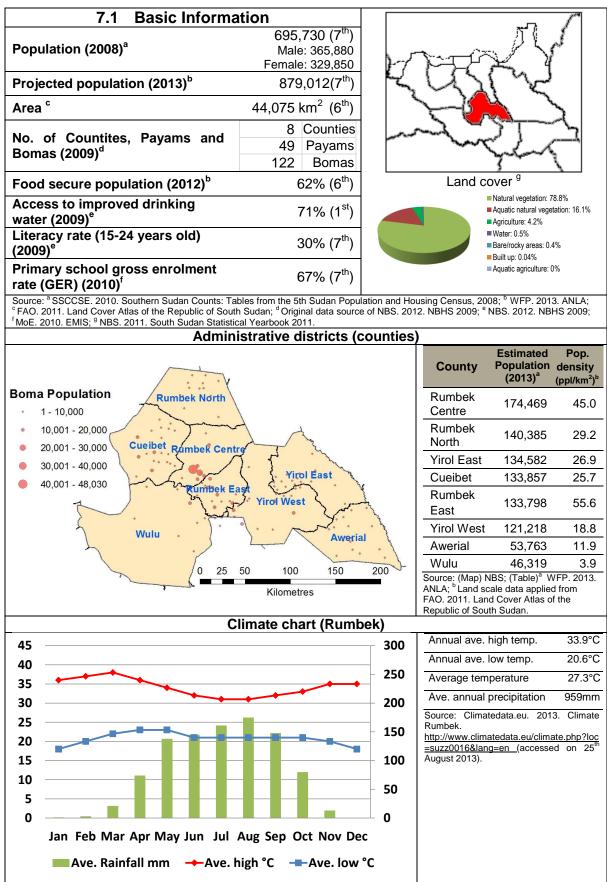
s is not a representative sample.

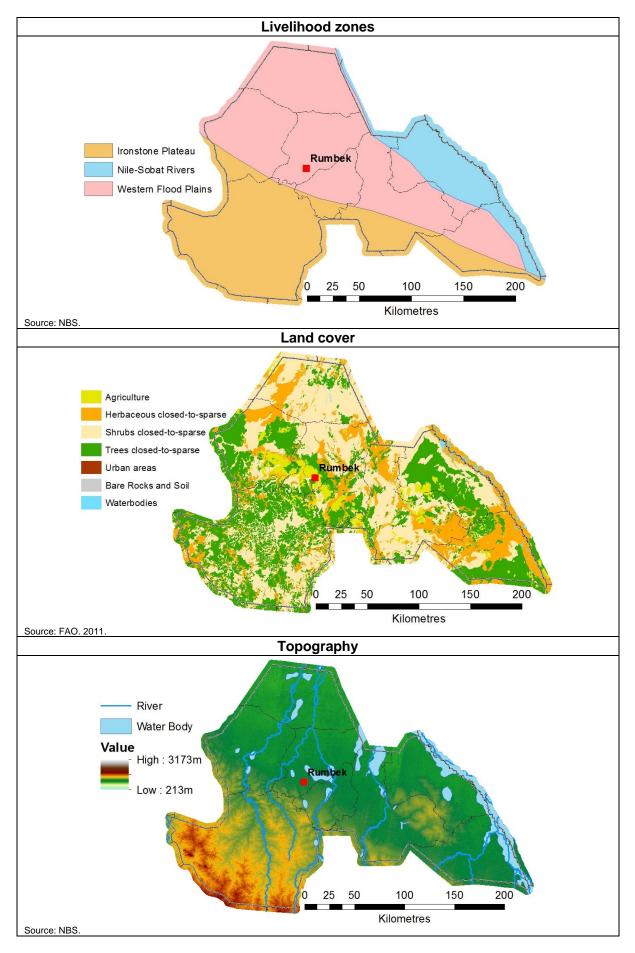


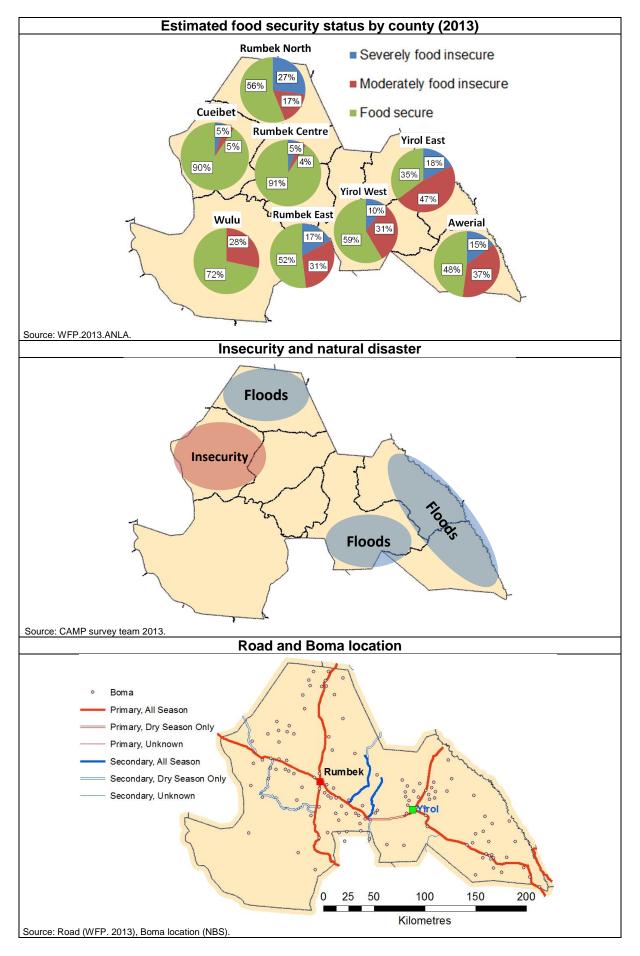
Cross-cutting issues
(Land)
 Tension at communal grazing areas among pastoralists
Land use is not effective. (e.g. land rotation)
 Land boundary issue between sedentary farmers and pastoralists from other states
(Migration)
 Long distance migration causes low livestock and milk production.
(Conflict and insecurity)
 Tension between sedentary farmers and pastoralist results in conflicts.
 Conflicts occur at common grazing and watering points occasionally.
(Gender disparities)
Unequal cattle ownership
 Decision-making is done by men.
Women are seen as property in some areas.
(Drought and floods)
Unstable climate lowers livestock production and productivity.
Opportunities
Vast land
Sufficient rain and underground water
Sizable livestock population
A number of CBOs (Community Based Organisations) and DPs/NGOs are operating in the
state.
High supply capacity of livestock products
Livestock markets are well-functioning.
Local government institutions have strong authority.
Challenges
Irregular rainfall
Livestock diseases
Livestock facilities
Transportation of livestock and livestock products Traditional mathematical keeping
Traditional method of livestock keeping Descurse based conflict (grazing and watering points)
Resource-based conflict (grazing and watering points)
Capacity of the State MARF is insufficient
Technological packages are not available. (e.g. information techniques)
Feeder roads are not well established.

		6.7 Fi	sheries					
Numbers of fishi	ng households	4,010	Che I	3				
(ANLA 2012)			North Contraction	A				
Fish production	Unknown. There is no availability in state.	ice the		Ri	ver			
Fish exports	Fish from Wa WBG State trav NBG State Mandesha.		0 25 50 100 150 200 Kilometres	X	Wau			
Fish imports	Fresh fish comes from Warrap mainly to Wau for the urban market. Small pelagics from Uganda and Kosti for preparation of Mandesha. Dried fish from Lakes, Unity and and Upper Nile States. Some daga'a and small amount of smoked fish from Uganda.							
Seasonality	All year in the large Jur River and similar. Elsewhere late wet season on the floodplains, dry season in the lakes and smaller rivers.							
Landing		rivers and I	akes. Mostly seaso	onal except in the	e Jur River			
sites Gears	and tributaries	lines anos	ro aill noto Exton	aive use of plant	naiaana in			
	enclosed waters	Cast nets, long lines, spears, gill nets. Extensive use of plant poisons in enclosed waters.						
Vessels		Dugout and dugout palm log canoes.						
Informal taxation		Mainly a problem for importers of pelagics from Uganda.						
Market		Fish sold fresh if near to a market, but much dried for preparation into						
	Mandesha or sa							
· · · ·		Aquad						
There is no producing aquaculture in the state (late 2013) though one entrepreneur is building 2 ponds. These have not yet been stocked. Water supply will be a problem for large scale aquaculture in the future, and the temperatures may be too high in the hot season. State MARF has plans for the future for aquaculture but these await funding. (Photo: Half dug pond near Wau)								
	Po	st-harvest a	and marketing					
	Post-harvest and marketing Fish is coming in to Wau from Warrap State fresh. Definite preference for fresh fish, though Mandesha also widely available and made in WBG State. All fish sold by the kilo in WBG State, except Mandesha and some dried fish which is sold by the rotl (450gms: an Arab measure of weight). (Photo: Fresh fish for sale in Wau)							
Species	Presentation	SSP/kg	Species	Presentation	SSP/kg			
Alestes	Fresh	25.77	Bagrus dogmac	Fresh	40.00			
Clarius spp	Fresh	29.32	Tilapia spp	Fresh	38.00			
Clarius anguillarus		58.72	Distichotus spp	Sun dried	51.85			
Herotus niloticus	Sun dried	50.00	Lates niloticus	Sun dried	51.85			
Uganda pelagics	Sun dried	17.78	Bagrus dogmac	Fresh	40.00			
Alestes	Fresh	25.77						

7 Lakes State (Capital: Rumbek)







	7.3 Cro Services provided by		
Organization	Activities	Area	Target
ACROSS	 Agriculture training for farmers Provision of ox-plough attachment and training Provision of vegetable see and fruit seedlings 	Rumbek East and Rumbek Centre Counties	Farmers in the pilot areas
DRDA (Diar for Rehabilitation and Development Association)	 Provide agricultural training farmers Organise farmers' groups 	g to Yirol, Rumbek East and Rumbek Centre Counties	Farmers in the pilot areas
FAO	Building CAD officeProvision of seeds	Rumbek Centre, Rumbek East, Cueibet and Yirol Counties	Farmers in the pilot areas
OXFAM	 Training for crop production for farmers Provision of seeds, tools an ox plough attachments Creation of community ass Building community access roads to local market 	County nd ets	Farmers in the pilot areas
CEFA	 Training for crop and vegetable production Training female farmers Provision of seeds, tools an ox plough attachments 	Rumbek East and Rumbek Centre Counties nd	Farmers in the pilot areas
WFP	Provide food to vulnerable people and NGOs in the State. The above information	8 Counties in Lakes State	Farmers in the pilot areas

There are a number of DPs and NGOs in the State. The above information collected by CAMP team is shown as examples.

Services provided by private sector

(Tractor hiring)

- Tractor hiring services are provided by private service provider.
- The charge is from SSP 200 to 300/feddan for ploughing. •

(Agro-dealer)

- Seed and tool supply system is underdeveloped.
- Some local traders deal with local seeds, tools and some fruit tree seedlings. •

(Financial institution)

- Some finance institutions are available mainly in Rumbek. •
- SUMI provides loans to cooperatives groups. •
- DRDA and BRAC provide financial support to women's groups.

*1 SUMI: Sudan Micro Finance Institution *2 DRDA: Diar for Rehavilitation and Development Association *3 BRAC: Bangladesh Rural Adcancement Committee

			Market		
	Major agric	ultural product	s and their origin	n (Rumbek, M	lay 2013)
(Crop)			(Others)		
Item	Туре	Origin	ltem	Туре	Origin
Sorahum	Import	-	Okra	Import	-
Sorghum	Domestic	Lakes State	Okia	Domestic	Lakes State
Maize flour	Import	Uganda	Jew's mallow	Import	-
Maize nour	Domestic	-	Jewsmallow	Domestic	Lakes State
Groundnut	Import	-	Tomato	Import	Uganda
	Domestic	Lakes State	Tomato	Domestic	Lakes State
Dies	Import	Uganda	Onion	Import	Uganda, Tanzania
Rice	Domestic	-	Onion	Domestic	-
			Cabbaga	Import	Uganda
			Cabbage	Domestic	-
			Carrot	Import	Uganda
			Canol	Domestic	-
Source: CAMP sur			Amaranthus	Import	-
* This is not a repr	esentative sample.		Amaranthus	Domestic	Lakes State
			Source: CAMP surver * This is not a represe		

Market price (Retail price, Rumbek, May 2013)								
ltem	Unit –	F	Price (S	SP)	(range)			
nem	Onit	Low season			High season			
Sorghum (Domestic)	Basin (10kg)	Dec-Jan	25	-	75	Feb-May		
Maize flour (Imported)	25kg	Nov-Dec	40	-	70-90	May-Sep		
Groundnut (Domestic)	Basin	Aug	10	-	30	May-July		
Tomato (Imported)	1kg	Nov-Mar	17	-	25	May-Sept		
Onion (Imported)	1kg	Jan-June	10	-	20	July-Sep		

Source: CAMP survey team 2013. * This is not a representative sample.

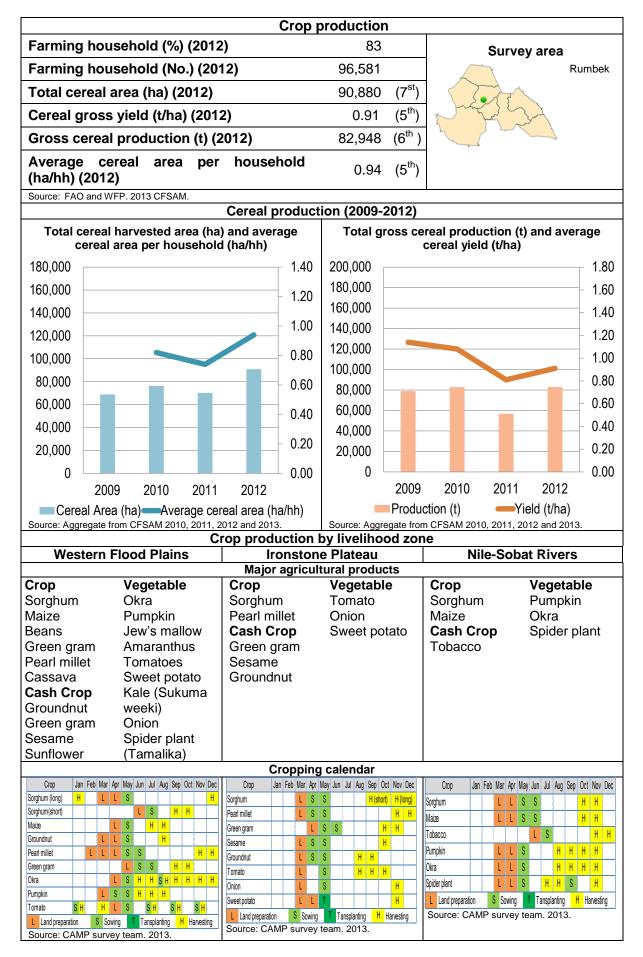
Transporta	Transportation cost (Rumbek, May 2013)								
Туре	Unit	Currency	Cost (range)						
Hiring charge(Kampala-Rumbek)	Truck (15,000kg)	Ush	25,000						
Customs	Truck (15,000kg)	SSP	8,000						
State tax (Tax rate not available)	Truck (15,000kg)	SSP	5,000						
Source: CAMP survey team 2013.									

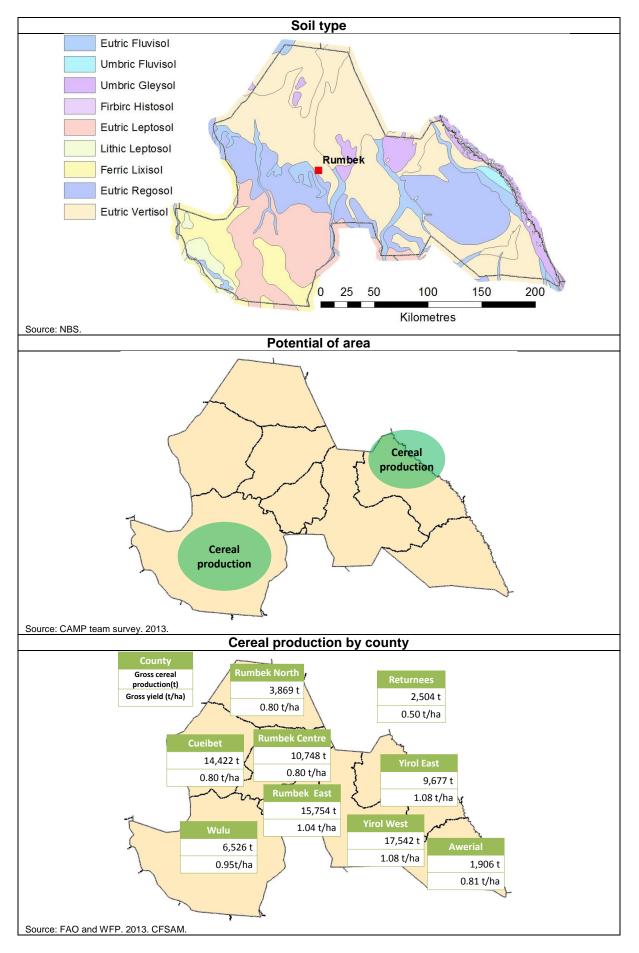
* This is not a representative sample.

Taxes and charges (Rumbek, May 2013)

(Wholesaler size 4mx4m)		
Туре	Cost (SSP)	Frequency
Licence	260	Annually
Trade union fee	25	Monthly
(Retailer)		
Туре	Cost (SSP)	Frequency
Licence	75	Annually
Rent	200	Monthly
Trade union fee	30	Monthly
Source: CAMP survey team 2013		

Source: CAMP survey team 2013. * This is not a representative sample.





Cross cutting issues

(Land)

- Dispute over grazing land among pastoralists
- Dispute between urban and sub-urban communities due to the expansion of urban areas without sufficient consultation with the sub-urban communities

(Gender)

- Few gender disparity issues in the state apart from land ownership issues of women (Security)
 - Cattle raiding happens frequently between the counties and with other states.
 - Armed robbery in some areas
 - In general, security has been improved by the caretaker governor appointed by the national government.

(IDPs and returnees)

• Living standards of the returnees and IDPs are lower than the average in the rural areas.

(HIV)

The infection rate is not surveyed but some NGOs are conducting educational activities for HIV prevention.

(Others)

- Crop damaged by wild animals has been a serious problem for farmers.
- Revenge attacks for cattle raiding make the situation worse.
- Short rainy season (about 5 months) lowers agricultural production.

Opportunities

Crop production

- Sufficient manpower
- Soil is relatively fertile.

Challenges

Overall

- Feeder roads are not well established.
- Poor access to financial institutions
- High tax rates
- High transport costs
- High labour costs

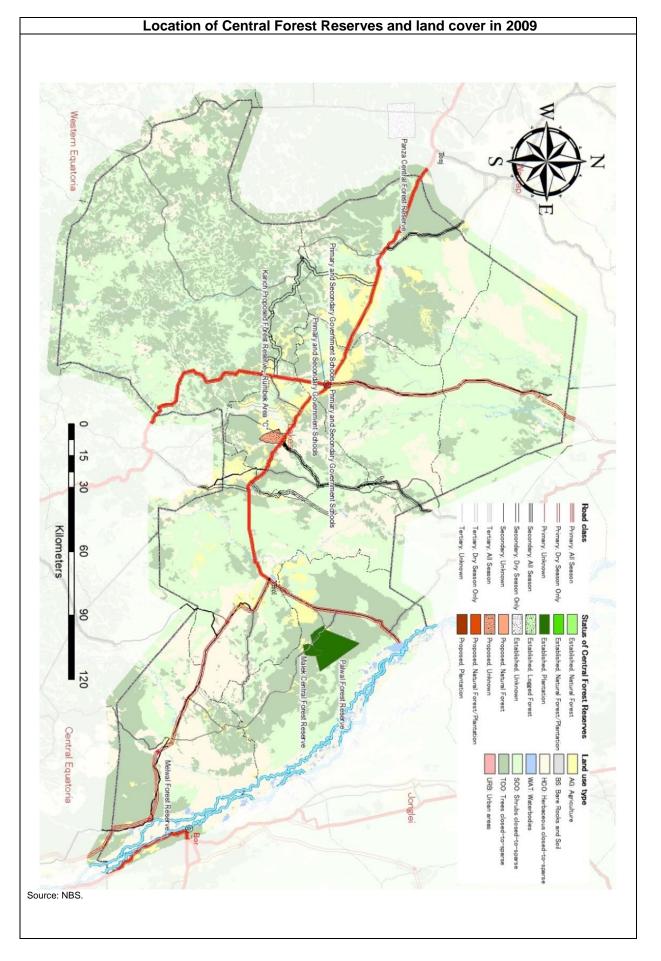
Crop

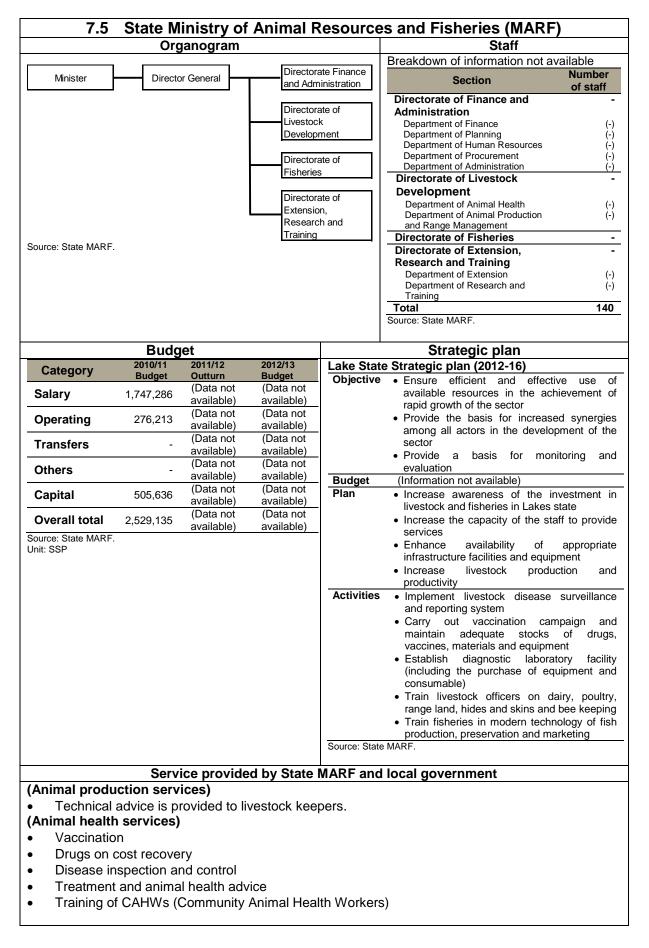
- Market information system is not well established for the farmers.
- Low land is affected by floods.
- Drought occurs frequently.
- Crop damaged by wild animals is getting serious.
- Farmers do not have means of controlling pests and diseases.
- Supply chain for improved seeds and agricultural tools is underdeveloped. Improved seeds are rarely available in the state.
- Training opportunities for farmers are not sufficient due to lack of funds.
- In some counties, demo farm has not been installed.
- Human resource competes between farming and livestock activities in busy period.

Annual cost rmation not able) rmation not								
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List of proposed projects Project name Objectives/activities Duration Annual cost Afforestation Develop plantation (Information not (Information not								

		La	and cov	er perc	entage	to tot	al area		
County	AG	TCO	SCO	HCO	URB	BS	WAT	Total area	Total area (ha)
Awerial	2.2%	36.6%	13.2%	46.8%	0.0%	0.3%	0.9%	100.0%	450,702
Cueibet	8.4%	46.4%	28.2%	17.0%	0.0%		0.0%	100.0%	520,582
Rumbek Centre	6.5%	22.6%	50.4%	20.3%	0.3%		0.0%	100.0%	387,259
Rumbek East	13.4%	38.2%	24.5%	23.9%	0.0%		0.0%	100.0%	240,785
Rumbek North	0.8%	8.4%	71.3%	19.0%	0.0%		0.4%	100.0%	480,511
Wulu	1.0%	51.1%	32.9%	13.3%	0.0%	1.4%	0.3%	100.0%	1,183,090
Yirol East	4.7%	47.3%	36.2%	10.1%			1.6%	100.0%	500,250
Yirol West	5.3%	15.0%	50.6%	28.7%	0.1%		0.3%	100.0%	644,329
Total	4.2%	35.5%	38.5%	20.9%	0.0%	0.4%	0.5%	100.0%	4,407,508
Source: EAO 2011 / an	d covor atlas	of South Su	Idan Bama	EAO					

Source: FAO. 2011. Land cover atlas of South Sudan. Rome: FAO. Legend: AG=Agriculture, TCO=Tree closed-to-sparse, SCO=Shrubs closed-to-sparse, HCO=Herbaceous closed-to sparse, URB=Urban areas, BS=Bare Rocks and Soil, and WAT=Waterbodies.





No national gover	nment institutions are in the state.		
Organization	Service provided by DPs an	-	Devied
Organisation VSF (Vétérinaires Sans Frontières) -Belgium	Activities Strengthening institutional capacity of MAF and MARF Improving productivity Animal health, production, food security recovery and livelihood programs Training of CAHWs 	Area Rumbek North and Centre Counties (constructed a slaughter house in Rumbek Centre and North Counties)	Period 2009-2013
Oxfam GB	 Animal health, animal production, food security and livelihood programs Community, public work and WASH (Water, Sanitation and Hygiene) program Cash transfer to returnees households Training of CAHWs 	Rumbek North, Rumbek Centre and Cueibet Counties (constructed a slaughter house in Cueibet County)	Since 1993
FAO	 Animal health activities Supply and transportation of vaccines through State MARF Training of CAHWs Conduct FFS (Farmer Field Schools) Training of State MARF Staff Provided 1 hardtop and pickup land cruisers vehicles for State MARF 	Rumbek Centre Counry	Since 2003
NPA (Norwegian People's Aid)	 Food security programs Provides drugs on cost recovery basis Training of CAHWs 	Yirol East and West Counties	Since 1998
GIZ	Implementing fisheries projectCapacity building	Yirol East County	2008-2012

Services provided by private sector

(Agro-dealer)

• Some agro-dealers supply veterinary drugs.

(Slaughter house)

All the services in the slaughter houses are managed by the local government.
 (Livestock market/auction yard)

 (Information not available)

	Livestock population										
Туре		Population by county									
of Animal	Awerial	Cueibet	Rumbek Centre	Rumbek East	Rumbek North	Yirol East	Yirol West	Wulu			
Cattle	300,000	285,000	80,000	60,000	250,000	150,000	180,000	20,000			
Sheep	60,000	55,000	42,000	39,000	43,000	46,000	50,000	25,000			
Goat	65,000	63,000	62,000	55,000	61,000	50,000	54,000	40,000			
Poultry	5,000	20,000	10,000	7,000	2,000	6,000	3,000	15,000			
Pig	N/A	N/A	N\A	N/A	20	N/A	N/A	N/A			
Total	430,000	423,000	553,000	161,000	356,020	517,020	873,040	1,390,060			
Source: State N/A: Data not											

Livestock diseases							
Type of Animal	Type of disease	Outbreak area in last 2 years					
Cattle	Haemorrhagic septicaemia	All counties except Rumbek East					
		County between 2011 and 2012					
	Trypanasomiasis	Cueibet County					
	East Coast fever	Awerial County					
	Black quarter, Contagious bovine	There was no outbreak in the					
	pleuropneumonia, Foot and mouse	last 2 years.					
	disease, Anthrax, Brucellosis						
Sheep and goat	Peste des petits ruminants, Contagious	There was no outbreak in the					
	carprine pleuropneumonia, Internal	last 2 years.					
	parasites, Mange, Foot rot						
Poultry	Newcastle disease, Fowl pox, Infectious	There was no outbreak in the					
	bronchitis, Chronic respiratory disease,	last 2 years.					
	Salmonellosis, Internal parasites						
Equine	(Information not available)	(Information not available)					
Source: State MARF.							

Animal health issues

- Lack of drugs and equipment ٠
- Lack of animal health regulations and laws •
- Insufficient qualified animal health personnel ٠
- Lack of offices at the counties •
- Lack of laboratories for disease diagnosis •

Market						
Type of livestock and livestock product	Market					
Butcheries	Rumbek Centre (domestic)					
Auction yard (all livestock species)	Rumbek Centre (domestic)					
Butcheries and auction yard	Yirol West (Yirol Town)					
Live animal market (cattle, sheep and goat)	Yirol West (Agany)					
	Yirol East (Nyang)					
Live animal market (cattle, sheep and goat)	Rumbek North (Auction yard)					
Live animal market (cattle, sheep and goat)	Rumbek East (Bar-Pakeny)					
Live animal market (mostly cattle)	Awerial					
Live animal market	Wulu					
Honey market						
Source: CAMP survey team 2013						

Source: CAMP survey team. 2013.

Market price								
Counties	Price (SSP) (range)							
Item	Awerial	Cueibet	Rumbek Centre	Rumbek East (Bar- pakeny)	Rumbek North	Yirol East	Yirol West	Wulu
Catttle	500-2,000	400-800	500-1,000	500-800	400-700	500-800	500-1,000 450-700	N/A
Sheep	80-200	100-200	150-300	100-150	100-150	100-200	100-200	N/A
Goat	80-200	100-200	200-400	100-150	100-150	100-150	100-200	N/A
Chicken	Hen=20	Hen=15	Hen=30	Hen=20	Hen=30	Hen=20	Hen=20	Hen=15
	Cock=40	Cock=30	Cock=50	Cock=40	Cock=40	Cock=40	Cock=40	Cock=30
Milk/1litre	5	5	5	5	2	5	5	N/A
Meat/1kg	10	10	15	10	10	10	10	10
Egg/each	2	2	2	2	N/A	2	2	2
Honey/1litre	N/A	20	30	20	N/A	N/A	20	10
Hide and skin	N/A	N/A	Hide=2 Skin=2	N/A	N/A	N/A	N/A	N/A

* This is not a representative sample. N/A: Data not available

		Тахе	s and charges					
Ту	/ре		Cost (SSP)	Fre	quency			
Live animal tax			10% of the price		Daily in auction yard			
(Cattle, sheep ar	nd goat)	for both	seller and buyer					
Live bird tax			2/chicken	Daily in the market				
Meat inspection			10/cattle	Daily at slaughter house				
Hide charge at sl			5/each hide	Every 2-3 months				
Skin charge at sl	aughter house		3/each skin	Every 2-3 i	months			
Source: CAMP survey team. 2013. * This is not a representative sample.								
	Major livest	ock species	and products by I	livelihood zone				
Western Flo	od Plains	Ironst	one Plateau	Nile-Sobat Rivers				
Type of Animal	Breed	Type of Animal	Breed	Type of Anima	I Breed			
Cattle	Local Nilotic	Cattle	Local Nilotic	Cattle	Local Nilotic			
Sheep	Local	Sheep	Local	Sheep	Local			
Goat	Local	Goat	Local	Goat	Local			
Chicken	Local	Chicken	Local	Chicken	Local			
Pig (Rumbek North)	Local		-	Bee (Wulu)	Local			
Livestock p			ock products		products			
 Meat (beef, mut poultry) Milk Egg Hide and skin 		 Meat (beef, mutton, pork and poultry) Milk Egg Hide and skin Meat (beef, mutton, poultry) Milk Egg Hide and skin 						
Source: CAMP survey t		ock rolated f	acilities and trade	routos				
Slaughter hou Butchery/Livestock Slaughter house Livestock market Livestock market Slaughte ground	k market		Show Pestock harket Livestock market Slaughter slab	t/ stock market/	vestock market/ aughter ground			
Source: CAMP survey tea	am. 2013.			nghter ground	a va			

Cross-cutting issues

(Land)No clear land tenure policies

• The repatriation of the IDPs and returnees from the North have caused tenancy inconvenience, as some of the lands allocated or meant for livestock infrastructures have been occupied by the returnees.

(Migration)

- Like any other pastoral communities, the livestock keepers in Lakes State migrate seasonally from their permanent settlements to the "Toichs" typically along the River Nile. Since it is the only permanent water source during dry season, animals accumulate leading to overgrazing, pervasive diseases transmission and conflicts over resources.
- Seasonal migratory routes are affected by the accessible and availability of the pastures and water resources as well as the security status in the area.

(Conflict and insecurity)

 Seasonal migration of livestock keepers is occasionally accompanied with lots of challenges, conflicts over resources, youth disputes over women and cattle rustling. It sometimes results in deadly inter-communal clashes leading to death of hundreds and this in turns causes insecurity.

(Gender disparities)

- In Lakes State, few gender disparities, but traditional beliefs prohibit the involvement of women in some livestock keeping activities. (e.g. Going after the cattle or taking cattle for grazing and having full ownership of the livestock especially cattle.)
- After the war, with an increase in the number of widows, they have started owning livestock.

(Drought and floods)

- No droughts occur since the state lies within the Western Flood Plains.
- It is frequently affected by seasonal floods that usually happen due to heavy rain and excess flow of water from the River Nile.

Opportunities

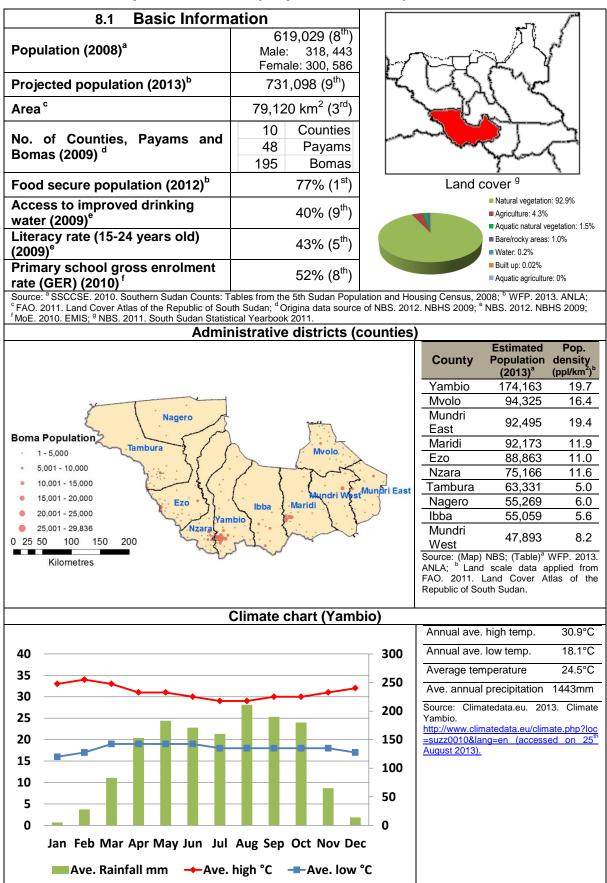
- Huge potential of livestock population
- Growing human population in the urban areas increases the demand of livestock products.
- Huge hide and skin production
- Vast land and abundant rangelands with good quality pastures and water sources

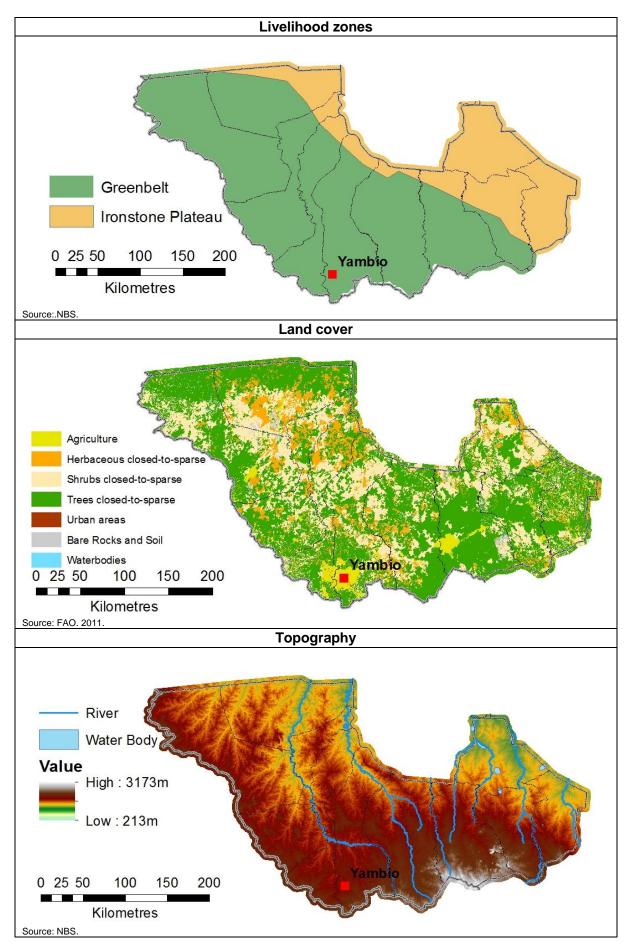
Challenges

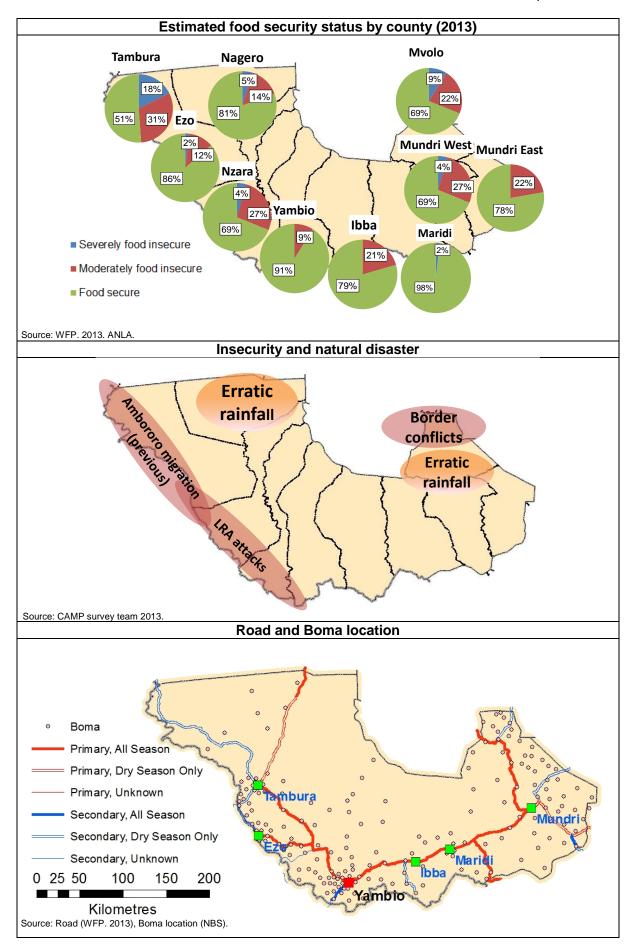
- Lack of capital funds and budgetary constraints livestock improvement.
- Insecurity and resource based conflicts (i.e. cattle rustling)
- Disease outbreaks
- Lack of drugs, vaccines and equipment
- Lack of animal health regulations and laws
- Inadequate qualified staff and lack of offices at the county level
- Lack of livestock infrastructure, poor roads and other facilities at the county level
- Lack of transport means

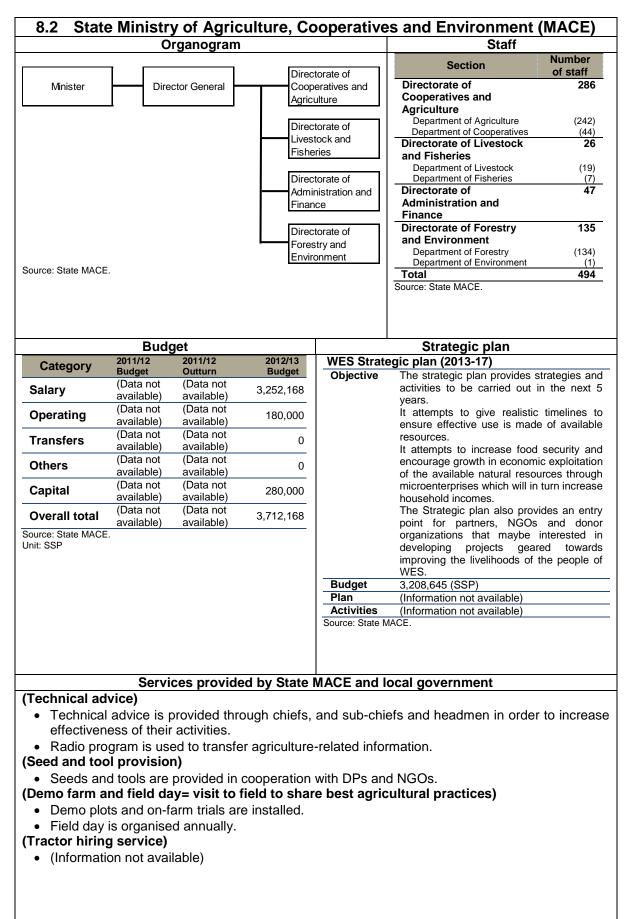
		7.7 Fis	sheries					
Numbers of	fishing households	24,4	498		TAN			
(ANLA 2012) Fish production	Unknown. Most of comes from Shambe but the rivers and la important in the dry provide the fresh fish Rumbek, for which th	known. Most of the volume nes from Shambe in Yirol East, the rivers and lakes are very portant in the dry season, and vide the fresh fish that is eaten in mbek, for which there is a very at demand. There is no ice						
Fish exports	From the eastern parts of the state, Yirol East County, next to the Nile river, fish is exported both north to Sudan and south to Juba. Before the border closed, boats would visit Shambe and buy fresh and dried fish which was taken north to Khartoum. Dry fish from Lakes is traded throughout Warrap, NBG and WBG States, and of course to Rumbek and other larger towns in the state. Small fish from rivers and lakes are dried and sold in towns.							
Fish	Uganda pelagic fish, I				smoked Nile perc	h, is in the		
imports	markets at Rumbek.	·						
Seasonality	All year but increases				nd flood plains, b	ut the river		
Landing sites	and lake fishery is most active in the dry season. Many permanent settlements on the Nile in Yirol East and Shambe. Fishermen there are members of a co-operative. Also temporary fishing camps near swampland near to Rumbek and elsewhere where there is permanent water in the dry season. The fresh fish trade overland sometimes stops in the wet season due to poor roads. Poor security in some Eastern parts of the state.							
Vessels						Sidie.		
Informal taxation Investment	 Planked and dugout canoes. (steel canoes used mainly for transport) It is haphazard (1 in 10 fish usually) and highly resented. Transport taxes are high on fish from Uganda. A Chinese group has put forward a proposal to ship fish from Shambe down to Juba but as at September 2013 no development had occurred. 							
	·	Aquac						
There is no aq	uaculture in the state. I				uitable due to floo	oding.		
		t- harvest a		eting				
A large proportion of the fish produced in Lakes is dried where it is sold mainly in plaited strips. If from the inland areas in strips (catfish) or if small, whole. The small dried fish is often made into Mandesha, which is easily transported and highly popular. The demand for fresh fish is high and largely unsatisfied. Rumbek (unless noted) prices are given below. (Photo: Drying fish Shambe)								
Species		SSP/kg		ecies	Presentation	SSP/kg		
Clarius spp	Dried plait	42.65	Gymnar niloticus		Fresh	21.09		
	Distichotus sp Dried plaits 10.83		Heterotu	JS	Fresh	5.01 Shambe		
Heterotus nilo		54.05	Clarius spp		Sun dried	41.67		
Lates niloticu	•	59.70	Heterotu niloticus	6	Sun dried	48.78		
Protopterus s		49.30	Uganda	pelagics	Sun dried	25.21		
Clarius spp	Fresh	6.37 Shambe						

8 Western Equatoria State (Capital: Yambio)







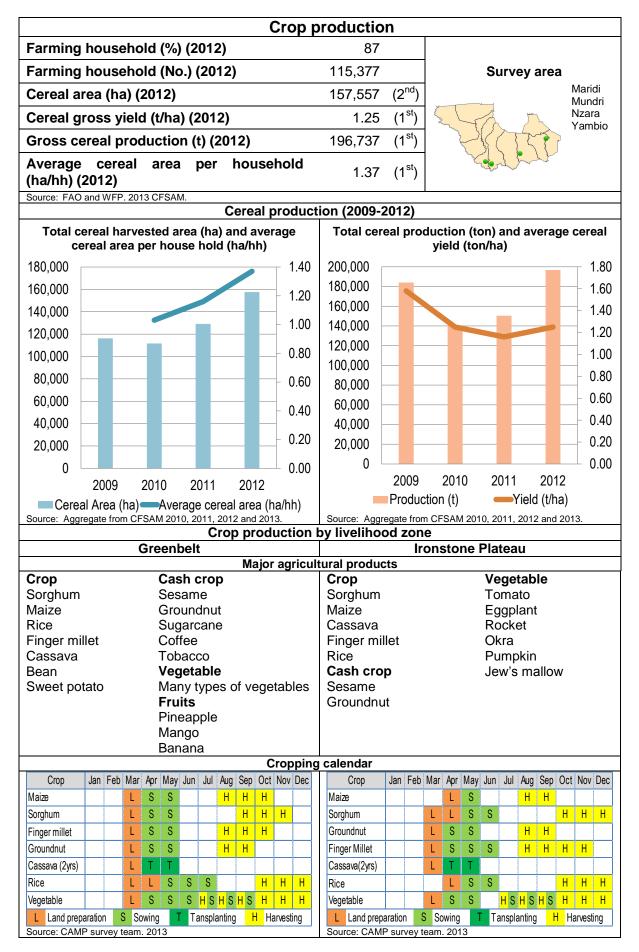


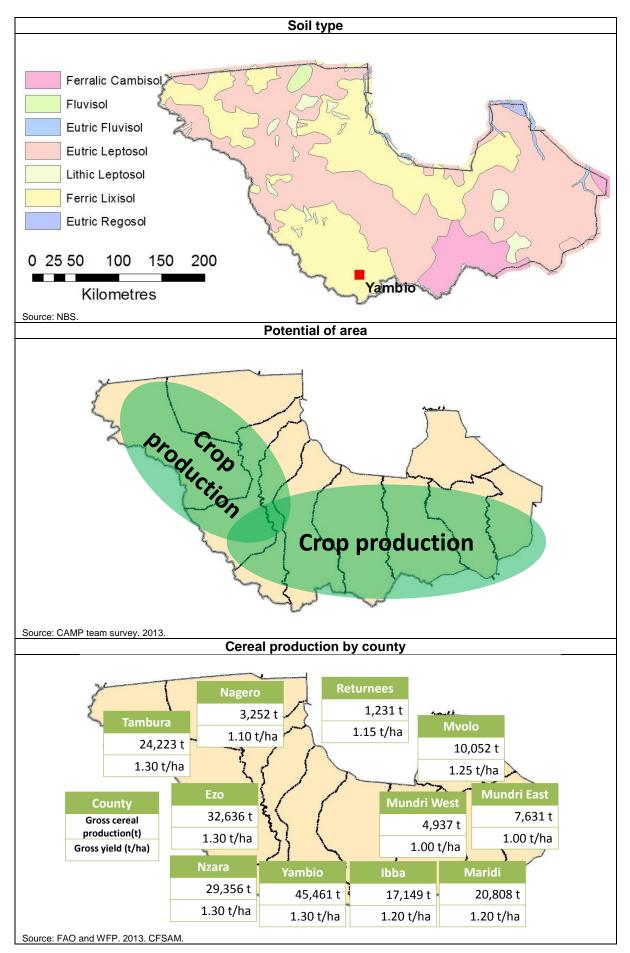
		Services provided by DPs a		
Organisation		Activities	Area	Target
Action Africa		nical support to farmers	Yambio County	Farmers in the
lelp	Provi	de tools, seeds and rice mill		pilot areas
nternational			Yambio, Maridi and	Farmers in the
roject/USAID		s provision	Yambio, Maridi and Mundri West	pilot areas
		ing farmers and extension workers	Counties	(FBOs: Farmer
		I demo plots	(original areas)	based
		preparation support (80% of the	Nzara and Mundri	organisations)
	cnarg	e will be supported by the project)	East Counties	- •
			(newly added on	
	ام منط +		2013)	Formana in th
VFP		develop agriculture in WES, it	Yambio, Nzara, and Ibba Counties	Farmers in the
		crop from farmers through or Progress (P4P) project	and uppa Countles	pilot areas
SIZ		ing farmers	Yambio, Nzara and	Farmers in the
		s and tools provision	Ibba Counties	pilot areas
		nical support for fish farming		
		ng ponds		
		ng ponds nhouse (shade house) provision		
Vorld Vision		nical support (field school)	Yambio County	Farmers in the
				pilot areas
BRAC		de grinding mill for value addition	Yambio County	Farmers in the
Bangladesh		ing farmers in demo plots especially able cultivation techniques	rambio County	pilot areas
Rural Advanced	-	s and tools provision		(especially
Committee)		•		women)
		nd ox-plough attachment provision		
nter SOS		ry farming de tools and seeds to farners	Ezo, Yambio	IDPs and
				returnees
Catholic Church		er trainings to farmers	Ezo, Nzara,	Farmers
		uct sustainable livelihood program de tools and seeds to farmers	Yambio, Ibba and	1 0111013
			Maridi Counties	
ere are a number of D	Ps and NGOs in	er trainings to farmers the state. The above information collected by	CAMP team is shown as exa	mples.
				·····
	. .	Services provided by priva	ite sector	
ractor hiring s				
		by some service providers.	000 000 //	
	harge is S	SP 250/feddan for ploughing and	SSP 200/feddan for	harrowing.
gro-dealers)		,		
		fertilizers and tools are available	at a hardware shop.	
The price is a				
	ltem	Origin of products	Retail Price (SSP)	
Maize seed		Uganda Uganda	125/10kg	
Eggplant s		Uganda Uganda	25/can (50-60 grams) 25/can (50-60 grams)	
Onion seed		Uganda	25/can (50-60 grans) 50/can	
Urea		Uganda	350/50 kg bag	
DAP		Uganda	525/50 kg bag	
Hoe		Uganda	15 each	
Panga		Uganda	10 each	
Grass slas	her	Uganda	10 each	
			gram).	

Centre) voucher system. IFDC supports 90% of the cost; farmers pay 10% of the cost. (Financial institution)

• (Informatkion not available)

	Agricu	Itural produc	ts and thei		mbio, April,	2013)	
(Crop)				(Others)			
ltem	Туре	Origin	1	ltem	Тур	e	Origin
Maize	Import	-		Okra	Import		-
haizo	Domestic	Yambio			Domesti	С	Yambio
Maize flour		Uganda		Jew's mallo	w Import	_	- Vanahia
	Domestic Import	-			Domesti	С	Yambio
Sorghum	Domestic	- Yambio		Rocket	Domesti	C	- Yambio
	Import	Uganda, Pakist	an, Congo		Import		Uganda
Rice	Domestic	Yambio	an, congo	Tomato	Domesti		Yambio
0	Import	-		E a and a a t	Import		-
Cassava	Domestic	Yambio		Eggplant	Domesti	С	Yambio
Groundnut	Import	-		Onion	Import		Uganda
	Domestic	Yambio		Onion	Domesti		-
Finger	Import	-		Cabbage	Import		Uganda
millet	Domestic	Yambio		Cassage	Domesti		Yambio
			<u> </u>	Sugar	Import		Uganda
					Domesti	C	-
				Pineapple	Import Domesti	<u>^</u>	- Yambio
					Import	U	-
				Pumpkin	Domesti	c	- Yambio
	urvey team 2013. epresentative sam Equatoria	ple.			survey team 2013. epresentative sam Equatoria	ole.	
		Market price	(Retail pric	ce. Yambio.	May 2013)		
					Price (SSP)	range)
	Item	Unit	Low	v season	()	(, High season
Maize (Dor	nestic)	Sack (50		-Nov	50-60 -	150	May-June
Maize flour		Sack (25	U /	season	70-75 -	100	Rainy season
Rice (Impo	<u>, , ,</u>	Sack (25		season	90 -	110	Rainy season
Source: CAMP s This is not a rep	ourvey team 2013. presentative sample						
	-	Transporta		Yambio, Ap			
	Туре		Unit	t	Currency	(Cost (range)
	Motorcycle re		day		SSP		70
	Uganda-Yam		50 tons	· /	Ush		15,000,000
	(uploading in	<u> </u>	50 tons	<i>i</i>	Ush	400	,000-500,000
Porterage	(unloading in	Yambio)	50 tons	(truck)	SSP		1,500-2,000
	ourvey team 2013. presentative sample						
Wholesale	r size 4mx4n		cnarges (Yambio, Ap	rii, 2013)		
TTIOIESale	Type	/	6	ost (SSP) (ra	ange)	Fr	equency
Licence	. , , , , , , , , , , , , , , , , , , ,			36			inually
Customs (I	Kava)		5	8,000-11,00			ery purchase
Checking f				500-60			ery purchase
County tax				1,000-1,50			ery purchase
	uthority tax		1/	0,000-15,00			ery purchase
		(Registration f		0,000-15,00 10			
VIIAIIIDEL (166)				nually
	unection serv	ice		7	0	IVIC	onthly
Garbage co						_	
Garbage co	Туре			Cost (SSP)			equency
Garbage co Retailer)					A		N - 11
Garbage co Retailer) Garbage co	ollection				1		Daily
Garbage co Retailer) Garbage co Town coun	ollection			2	0		Jaily Monthly





	Cross cutting issues
(Land	
٠	No serious land issues are found in rural areas but some land ownership issues in urban
	areas.
(Genc	•
٠	Women tend not to be involved in decision making process at community and household
	levels.
٠	Widows cannot own land and properties of their late husbands unless there are special
(8	arrangements.
(Secu	• /
•	Border conflicts along the state border with Lakes State due to cattle entering from that state.
•	The number of LRA attacks is going down in Tombra and Ezo Counties but the attacks still
•	continue.
(IDPs	and returnees)
•	Support to IDPs and returnees is insufficient.
(HIV)	
•	Infection rate may be high in youth but no surveys are conducted.
	Opportunities
Overa	II
•	Sufficient manpower
Crop	
٠	Climate (sufficient rainfall)
٠	Fertile soil
٠	Vast unutilized land
_	Challenges
Overa	
٠	Feeder roads are not well established.
•	Poor access to financial institutions
٠	High tax rates
•	High transport costs
•	High labour costs
Crop	High cost for tree trunk removel
•	High cost for tree trunk removal
•	No effective pest and disease control methods
•	Few training opportunities for extension workers and farmers
•	Insufficient means of transport for extension activities
•	Insufficient budget for extension work

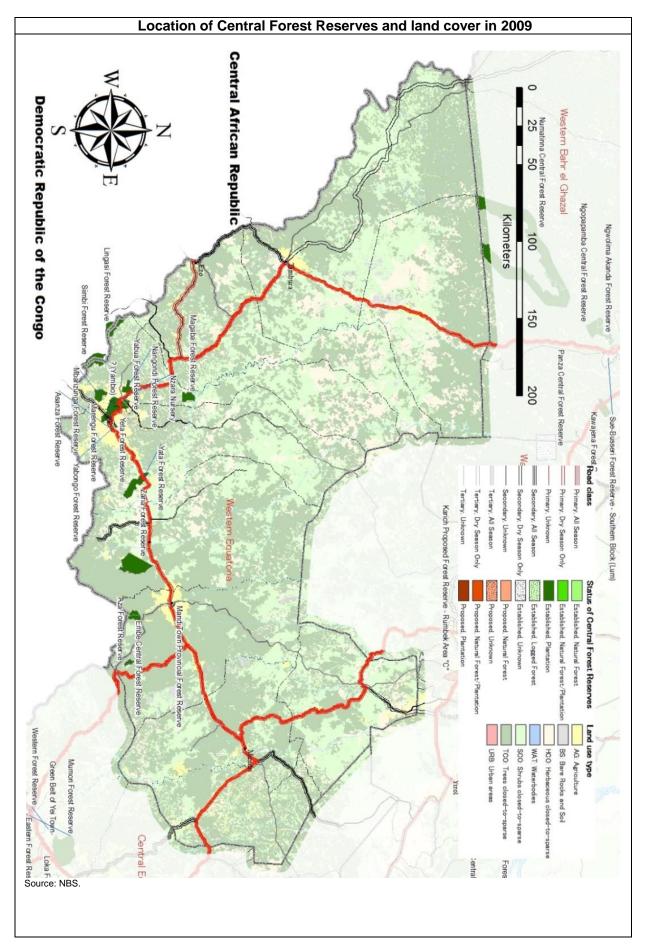
8.4 Forestry								
On-going and proposed projects								
List of on-going projects								
Project name	Objectives/activities	Duration	Annual cost					
Equatoria Teak Company Nzara	Develop timber production	(Information not available)	(Information not available)					
Blue Lakes	Promote plantation for timber	(Information not available)	(Information not available)					
Afforestation Source: CAMP team survey. 2013.	Develop plantation	On-going	SSP 1,933,120					

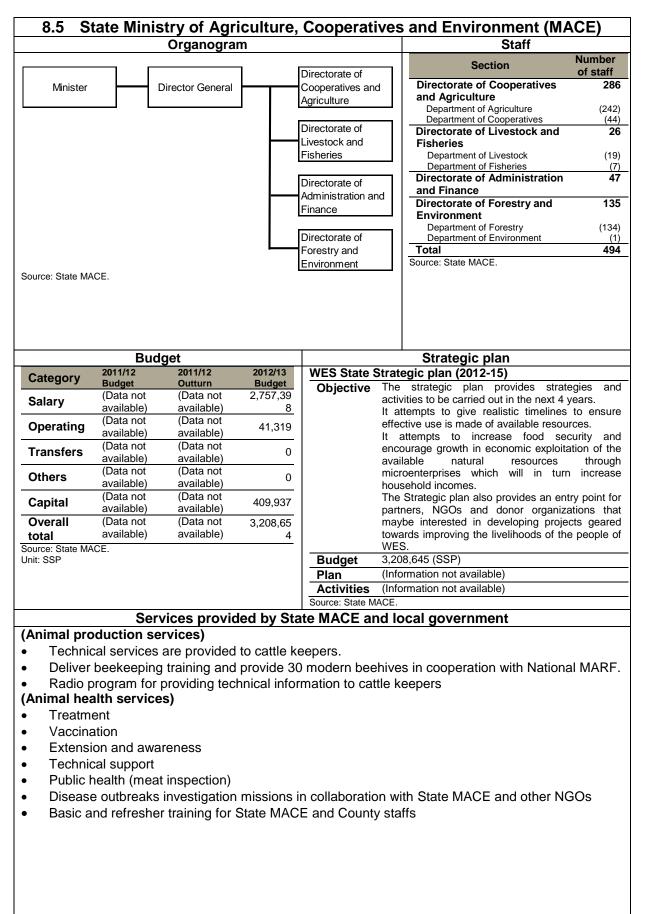
List of proposed projects								
Project name	Objectives/activities	Duration	Annual cost					
Farmer support	Promote farmers for income generation from forest	(Information not available)	(Information not available)					
Agro forestry	Introduce effective land use	(Information not available)	(Information not available)					
Capacity development	Deliver new forest management skills	(Information not available)	(Information not available)					
Saw milling	Increase timber production	(Information not available)	(Information not available)					

Source: CAMP team survey. 2013.

	Land cover percentage to total area										
County	AG	TCO	SCO	HCO	URB	BS	WAT	Total area	Total area (ha)		
Ezo	3.3%	52.2%	26.3%	17.4%		0.7%	0.1%	100.0%	804,983		
lbba	2.4%	64.3%	21.9%	11.0%		0.3%	0.1%	100.0%	978,773		
Maridi	6.6%	68.8%	17.9%	2.9%	0.0%	3.7%	0.0%	100.0%	773,552		
Mundri East	7.7%	61.7%	21.1%	9.2%	0.1%	0.2%	0.2%	100.0%	477,799		
Mundri West	6.5%	63.9%	22.9%	5.2%	0.0%	1.4%	0.2%	100.0%	585,206		
Mvolo	3.6%	38.8%	40.6%	16.2%	0.1%	0.6%	0.1%	100.0%	576,108		
Nagero	0.5%	51.8%	23.7%	22.0%		1.4%	0.5%	100.0%	926,250		
Nzara	5.9%	45.6%	26.2%	21.8%	0.0%	0.3%	0.1%	100.0%	646,364		
Tambura	2.9%	56.2%	32.4%	6.8%	0.0%	1.1%	0.7%	100.0%	1,258,207		
Yambio	7.3%	47.3%	28.0%	17.3%	0.1%	0.0%	0.0%	100.0%	884,724		
Total	4.3%	55.3%	26.3%	12.9%	0.0%	1.0%	0.2%	100.0%	7,911,966		

Source: FAO. 2011. Land cover atlas of South Sudan. Rome: FAO. Legend: AG=Agriculture, TCO=Tree closed-to-sparse, SCO=Shrubs closed-to-sparse, HCO=Herbaceous closed-to sparse, URB=Urban areas, BS=Bare Rocks and Soil, and WAT=Waterbodies.



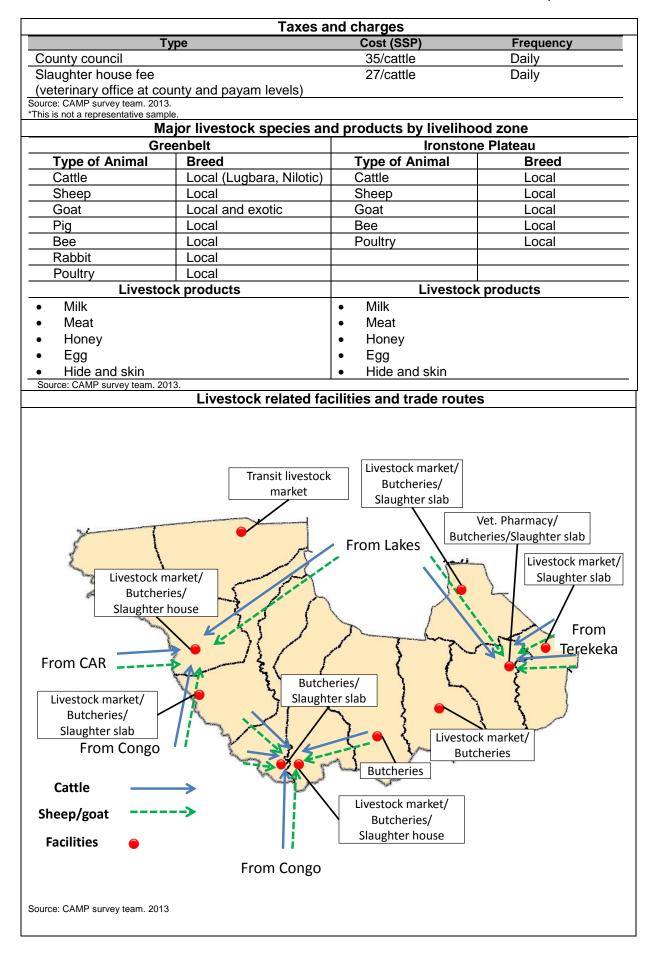


	8.6 Livestock		
	Services provided by National gover		
Organisation		Target	Period
Amadi Rural Development Instit		Participants from 10 states	1-2 weeks
Source: CAMP survey team. *CAHW: Community Animal			
	Services provided by DPs	and NGOs	
Organisation	Activities	Area	Period
Word Vision	 Construction of the slaughter hous and hide and skin store Training of CAHWs Training of farmers Training of bee keepers Provision of equipment for bee keepers Restocking of goats to vulnerable communities Construction of shade for slaughte house Construction of small ruminants' demonstration farm 	Tambura Counties	2008 -
CRS (Christian Relief Services)	 Provide training and processing equipment (buckets, containers protective gears and smokers) 	Tambura and Yambio Counties	2008 -
FAO	 Capacity building Provide veterinary vaccines 	All counties	(Information not available)
NPA (Norwegian People's Aid)	Goat restocking program	Movolo County	2010-
Source: CAMP survey team. *CAHW: Community Animal			
	Services provided by privat	te sector	
(Slaughter house) • (Information no	gs and technical advices are provided by ot available)	agro-dealers.	
(Other)	action company (Zain Talacom) aupporte		h nan vidin a moodorm

• Tele-communication company (Zain Telecom) supports beekeepers through providing modern beehives.

Mvolo X X X X X X	Mundri West X X X X	Mundri East X X X	Maridi X X	Nzara X	Ezo	Tambura		lbba	Estimated population 500,000 7-800,000
X X X	X	X	Х	Х	X	X			,
X X	Х		Х	Х	X	V	X		7-800,000
Х				Х	Х	V	24		
	Х	Х	V		~	Х	Х	Х	1,200,000
Х			Х	Х	Х	Х	Х	Х	1,500,000
	Х	Х	Х	Х	х	Х	Х	Х	(Data not available)
Х	х	Х	Х	Х	х	Х	Х	Х	(Data not available)
						Х			(Data not available)
									1,350
			Х			Х			(Data not available)

_		Livestock dis		-		
Type of Anima						in last 2 years
Cattle	Contagious bovine					West and East Countie
	East Coast F\fever		Maridi, Mundri West and East Counties Mvolo, Mundri West and East Counties			
	Black Q\quarter					
	Trypanosomiasis,					nd East Counties
	Lumpy skin disease parasites, Brucellos	is				the last 2 years.
Sheep and goat	Contagious caprine	C	ounties		Mvolo	, Mundri West and East
	Peste des petits run	ninants Y	ambio Coun	ity		
	Mange, Worms, Foo					the last 2 years.
Poultry	Newcastle disease		ambura, Yaı ounties	mbio, I	Mundr	i West, and Mvolo
	Fowl pox, Infectious Coccidiosis, Interna		here was no	outbr	eak in	the last 2 years.
Canine	Rabies		ambura and	lbba (Counti	es
Source: State MACE						
		Animal health				
 Lack of y 	veterinary drugs, vaccin	Animal health	ISSUES			
	ate professional staff at		evel			
	nfrastructure and faciliti			el		
	communication and tran					
	gular funding to the Ani		from the Na	<u>tio</u> nal	MARF	and the state ministry.
	U	Market				
Type of livesto	ock and livestock proc					
		Yambio holding			ry mar	·ket)
Cattle		Mundri Town(Se				
21		Tambura (Secor		et)		
Sheep		Yambio, Mundri	, Tambura			
Goat						
		Yambio,Tambur	a. Ezo, Mar	idi, Mu	undri	
Poultry		All the Counties	a. Ezo, Mar	idi, Mu	undri	
		All the Counties Yambio				
Poultry		All the Counties Yambio Yambio (Primar	y market),Ta	ambura	a (Prir	
Poultry Pig Honey		All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir	y market),Ta	ambura	a (Prir	nary market) econdary market)
Poultry Pig Honey Rabbit	av team 2012	All the Counties Yambio Yambio (Primar	y market),Ta	ambura	a (Prir	
Poultry Pig Honey	ey team. 2013.	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir	y market),Ta	ambura	a (Prir	
Poultry Pig Honey Rabbit	ey team. 2013.	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir	y market),Ta nary market	ambura	a (Prir	
Poultry Pig Honey Rabbit Source: CAMP surve		All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio	y market),Ta nary market	ambura t), Mur	a (Prir	
Poultry Pig Honey Rabbit Source: CAMP surve	Unit —	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio Market pri	y market),Ta nary market Ce Price (ambur; t), Mur (SSP)	a (Prin ndri (S	econdary market) High season
Poultry Pig Honey Rabbit Source: CAMP surve	Unit —	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio Market pri Low season (Data not available	y market),Ta nary market ce Price (ambura t), Mur (SSP) - 4,	a (Prin ndri (S	econdary market) High season (Data not available)
Poultry Pig Honey Rabbit Source: CAMP surve Item Cattle Sheep	Unit — Head Head	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio Market pri Low season (Data not available (Data not available	y market),Ta mary market ce Price (e) 4,000 e) 80	ambura t), Mur (SSP) - 4,	a (Prin ndri (S ,000 100	High season (Data not available) (Data not available)
Poultry Pig Honey Rabbit Source: CAMP surve Item Cattle Sheep Goat	Unit — Head Head Head	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio Market pri Low season (Data not available (Data not available (Data not available	y market),Ta mary market Ce Price (e) 4,000 e) 80 e) 150	ambura t), Mur (SSP) - 4,	a (Prin ndri (S ,000 100 200	High season (Data not available) (Data not available) (Data not available) (Data not available)
Poultry Pig Honey Rabbit Source: CAMP surve Item Cattle Sheep Goat Ien	Unit — Head Head	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio Market pri Low season (Data not available (Data not available	y market),Ta mary market CE Price (2) 4,000 2) 80 2) 150 2) 20	ambura t), Mur (SSP) - 4,	a (Prin ndri (S ,000 100 200 20	High season (Data not available) (Data not available)
Poultry Pig Honey Rabbit Source: CAMP surve Item Cattle Sheep Goat Ien Cock	Unit — Head Head Head	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio Market pri Low season (Data not available (Data not available (Data not available	y market),Ta mary market CE Price (2) 4,000 2) 80 2) 150 2) 20 30	ambura t), Mur (SSP) - 4,	a (Prin ndri (S ,000 100 200 20 30	High season (Data not available) (Data not available) (Data not available) (Data not available)
Poultry Pig Honey Rabbit Source: CAMP surve Item Cattle Scheep Goat Ien Cock Duck (female)	Unit — Head Head Head	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio Market pri Low season (Data not available (Data not available (Data not available	y market),Ta mary market CE Price (2) 4,000 2) 80 2) 150 2) 20 30 30	ambura t), Mur (SSP) - 4,	a (Prin ndri (S ,000 100 200 20 30 30	High season (Data not available) (Data not available) (Data not available) (Data not available)
Poultry Pig Honey Rabbit Source: CAMP surve Source: CAMP surve Item Cattle Scheep Soat Ien Cock Duck (female)	Unit — Head Head Head Each	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio Market pri Low season (Data not available (Data not available (Data not available (Data not available	y market),Ta mary market CE Price (2) 4,000 2) 80 2) 150 2) 20 30 30 30 50	ambura t), Mur (SSP) - 4,	a (Prin ndri (S ,000 100 200 30 30 50	High season (Data not available) (Data not available) (Data not available) (Data not available) (Data not available)
Poultry Pig Honey Rabbit Source: CAMP surve Source: CAMP surve Item Cattle Scheep Soat Ien Cock Duck (female) Duck (male) Tresh milk	Unit — Head Head Head Each 500ml	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio Market pri Low season (Data not available (Data not available (Data not available	y market),Ta mary market (CE Price (e) 4,000 e) 80 e) 150 e) 20 30 30 50 e) 5	ambura t), Mur (SSP) - 4,	a (Prin ndri (S ,000 100 200 20 30 30 50 5	High season (Data not available) (Data not available) (Data not available) (Data not available)
Poultry Pig Honey Rabbit Source: CAMP surve Source: CAMP surve Item Cattle Scheep Soat Ien Cock Duck (female) Duck (male) Tresh milk Powdered milk	Unit — Head Head Head Each 500ml 2.5kg (big can)	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio Market pri Low season (Data not available (Data not available (Data not available (Data not available	y market),Ta mary market (CE Price (e) 4,000 e) 80 e) 150 e) 150 e) 20 30 30 50 e) 5 90	ambura t), Mur (SSP) - 4,	a (Prin ndri (S ,000 100 200 20 30 30 50 5 90	High season (Data not available) (Data not available) (Data not available) (Data not available) (Data not available)
Poultry Pig Honey Rabbit Source: CAMP surve Source: CAMP surve Item Cattle Score Soat Jen Cock Juck (female) Duck (female) Tresh milk Powdered milk	Unit — Head Head Each 500ml 2.5kg (big can) 1.5kg (small can)	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio Market pri Low season (Data not available (Data not available (Data not available (Data not available	y market),Ta mary market (CE Price (e) 4,000 e) 80 e) 150 e) 150 e) 20 30 30 50 e) 5 90 25	ambura t), Mur (SSP) - 4,	a (Prin ndri (S ,000 100 200 20 30 30 50 5 90 25	High season (Data not available) (Data not available) (Data not available) (Data not available) (Data not available)
Poultry Pig Honey Rabbit Source: CAMP surve Source: CAMP surve Item Cattle Sheep Soat Ien Cock Sock Sock Sock (female) Cock Souck (female) Souck (female) Fresh milk Cowdered milk Cowdered milk	Unit — Head Head Each 500ml 2.5kg (big can) 1.5kg (small can) Sachet	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio Market pri Low season (Data not available (Data not available (Data not available (Data not available	y market),Ta mary market (CE Price (e) 4,000 e) 80 e) 150 e) 150 e) 20 30 30 50 e) 5 90 25 2 2	ambura t), Mur (SSP) - 4,	a (Prin ndri (S ,000 100 200 20 30 30 50 50 5 90 25 2	High season (Data not available) (Data not available) (Data not available) (Data not available) (Data not available)
Poultry Pig Honey Rabbit Source: CAMP surve Source: CAMP surve Item Cattle Scheep Soat Ien Cock Duck (female) Duck (male) Tresh milk Powdered milk	Unit — Head Head Each 500ml 2.5kg (big can) 1.5kg (small can)	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio Market pri Low season (Data not available (Data not available (Data not available (Data not available	y market),Ta mary market (CE Price (e) 4,000 e) 80 e) 150 e) 150 e) 20 30 30 50 e) 5 90 25 2 2	ambura t), Mur (SSP) - 4,	a (Prin ndri (S ,000 100 200 20 30 30 50 5 90 25	High season (Data not available) (Data not available) (Data not available) (Data not available) (Data not available)
Poultry Pig Honey Rabbit Source: CAMP surve Source: CAMP surve Item Cattle Sheep Soat Jen Cock Sock Sock Sock Juck (female) Tesh milk Powdered milk Powdered milk Powdered milk Powdered milk	Unit — Head Head Each 500ml 2.5kg (big can) 1.5kg (small can) Sachet	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio Market pri Low season (Data not available (Data not available (Data not available (Data not available	y market),Ta mary market (ce Price (e) 4,000 e) 400 e) 150 e) 150 e) 20 30 30 50 e) 5 90 25 2 e) 35	ambura t), Mur (SSP) - 4,	a (Prin ndri (S ,000 100 200 20 30 30 50 50 50 50 25 2 35	High season (Data not available) (Data not available) (Data not available) (Data not available) (Data not available)
Poultry Pig Honey Rabbit Source: CAMP surve Source: CAMP surve Item Cattle Sheep Soat Hen Cock Sock Sock Sock Souck (female) Duck (male) Tresh milk Powdered milk Powdered milk Powdered milk Powdered milk	Unit — Head Head Each 500ml 2.5kg (big can) 1.5kg (small can) Sachet	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio Market pri Low season (Data not available (Data not available (Data not available (Data not available	y market),Ta mary market (ce Price (e) 4,000 e) 80 e) 150 e) 20 30 30 50 e) 5 90 25 2 e) 35 24	ambura t), Mur (SSP) - 4,	a (Prin ndri (S ,000 100 200 20 30 30 50 50 50 50 25 2 2 35 24	High season (Data not available) (Data not available) (Data not available) (Data not available) (Data not available)
Poultry Pig Honey Rabbit Source: CAMP surve Item Cattle Cattle Cattle Cock Cock Cock Cock Cock Cock Cock Cock	Unit — Head Head Each 500ml 2.5kg (big can) 1.5kg (small can) Sachet	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio Market pri Low season (Data not available (Data not available (Data not available (Data not available	y market),Ta mary market (ce Price (e) 4,000 e) 80 e) 150 e) 20 30 30 50 e) 5 90 25 2 e) 5 90 25 2 2 e) 35 24 24 24 24	ambura t), Mur (SSP) - 4,	a (Prin ndri (S ,000 100 200 20 30 30 50 50 50 50 25 24 24 24	High season (Data not available) (Data not available) (Data not available) (Data not available) (Data not available)
Poultry Pig Pig Honey Rabbit Source: CAMP surve Item Cattle Cattle Cock Cock Cock Cock Cock Cock Cock Cock	UnitHeadHeadHeadEach500ml2.5kg (big can)1.5kg (small can)Sachet1kg	All the Counties Yambio Yambio (Primar, Ezo, Maridi (Prir Yambio Market pri Low season (Data not available (Data not available (Data not available (Data not available (Data not available (Data not available	y market),Ta mary market (ce Price (e) 4,000 e) 80 e) 150 e) 20 30 30 50 e) 5 90 25 2 e) 5 90 25 2 2 e) 35 24 24 24 24	ambura t), Mur (SSP) - 4,	a (Prin ndri (S ,000 100 200 20 30 30 50 50 50 25 20 35 24 24 24 24 24 2	High season (Data not available) (Data not available) (Data not available) (Data not available) (Data not available) (Data not available) (Data not available)
Poultry Pig Pig Honey Rabbit Source: CAMP surve Item Cattle Cattle Cock Cattle Cock Cock Cattle Cock Cock Cattle Cock Cock Cock Cock Cock Cock Cock Cock	Unit—Head	All the Counties Yambio Yambio (Primar Ezo, Maridi (Prir Yambio Market pri Low season (Data not available (Data not available (Data not available (Data not available (Data not available (Data not available (Data not available	y market),Ta mary market (CCC)	ambura t), Mur (SSP) - 4, - - -	a (Prin ndri (S ,000 100 200 20 30 50 50 25 20 30 50 25 24 25 24 24 24 24 24 20 55	High season (Data not available) (Data not available)
Poultry Pig Pig Honey Rabbit Source: CAMP surve Item Cattle Cattle Cock Cock Cock Cock Cock Cock Cock Cock	UnitHeadHeadHeadEach500ml2.5kg (big can)1.5kg (small can)Sachet1kg	All the Counties Yambio Yambio (Primar, Ezo, Maridi (Prir Yambio Market pri Low season (Data not available (Data not available (Data not available (Data not available (Data not available (Data not available	y market),Ta mary market (ce Price (e) 4,000 e) 4,000 e) 150 e) 150 e) 20 30 30 50 e) 5 90 25 2 2 e) 35 24 24 24 24 2 e) 40 15 5 e) 2	ambura t), Mur (SSP) - 4,	a (Prin ndri (S ,000 100 200 20 30 30 50 50 25 2 35 24 24 24 24 24 20	High season (Data not available) (Data not available) (Data not available) (Data not available) (Data not available) (Data not available) (Data not available)



Cross-cutting issues

(Land)

- There is no available land for constructing livestock infrastructures.
- Some slaughter slabs and an auction yard are found on people's land.

(Migration)

 Migrations are found from the neighbouring states by pastoral communities (e.g. Mundary Tali Dinka Yoril, Dinka Bor and Western Bahr el Ghazal) for grazing areas and water for their livestock.

(Conflict and insecurity)

- Conflicts between livestock keepers and sedentary farmers occasionally erupt during cultivation period.
- Raiding of livestock causes conflicts between tribes leading to insecurity.
- There was an insecurity threats from the LRA but the incidence is minimized due to presence of Joint-security forces from SPLA, Ugandan army and African Union forces.

(Gender disparities)

• In Western Equatoria State, women participate in all activities like men, from cultivation to making houses.

(Drought and floods)

- Drought happened in Mundri on 16th of September 2005, people suffered hunger.
- Prolonged dry spells in all counties

Opportunities

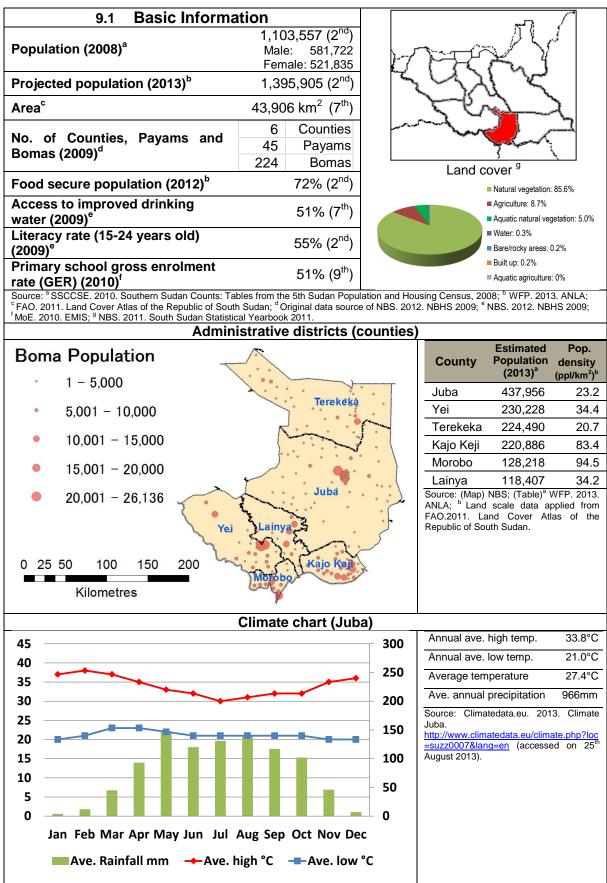
- Due to availability of vast rangeland and land fertility, there are huge potential pastures that could boost animal production in the state.
- There are opportunities for establishment of ranches and farms for poultry, dairy, beef, etc.
- There is willingness of the crop farming communities to diversify into other livelihood activities such as livestock rearing for both domestic consumption and commercialisation.
- With easy accessibility to the border corridors of Congo and Central African Republic, there are opportunities for trans-boundary trades which can improve the national economy through revenues generated from the livestock exports.
- Demand for meat is increasing especially in urban areas.

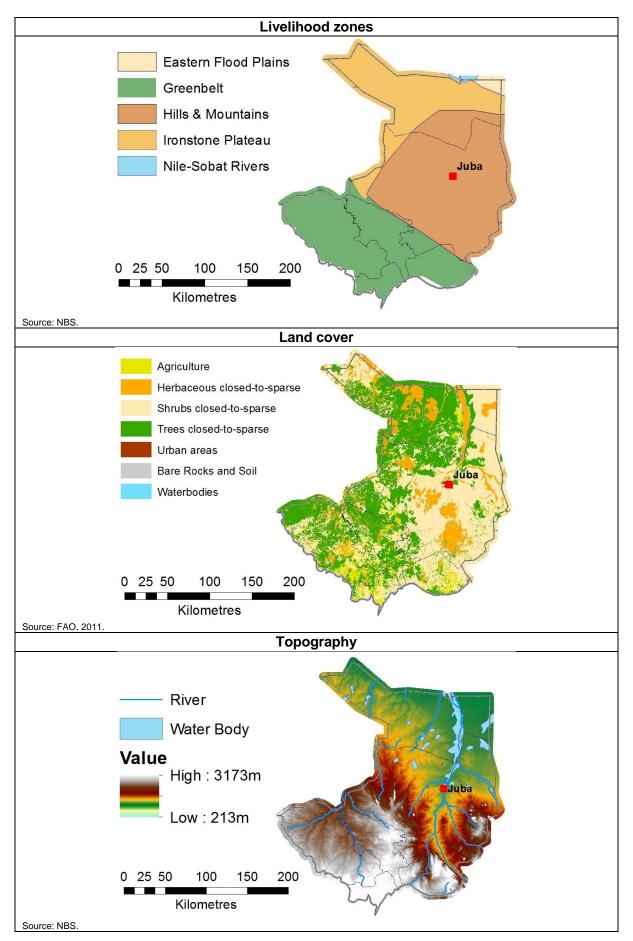
Challenges

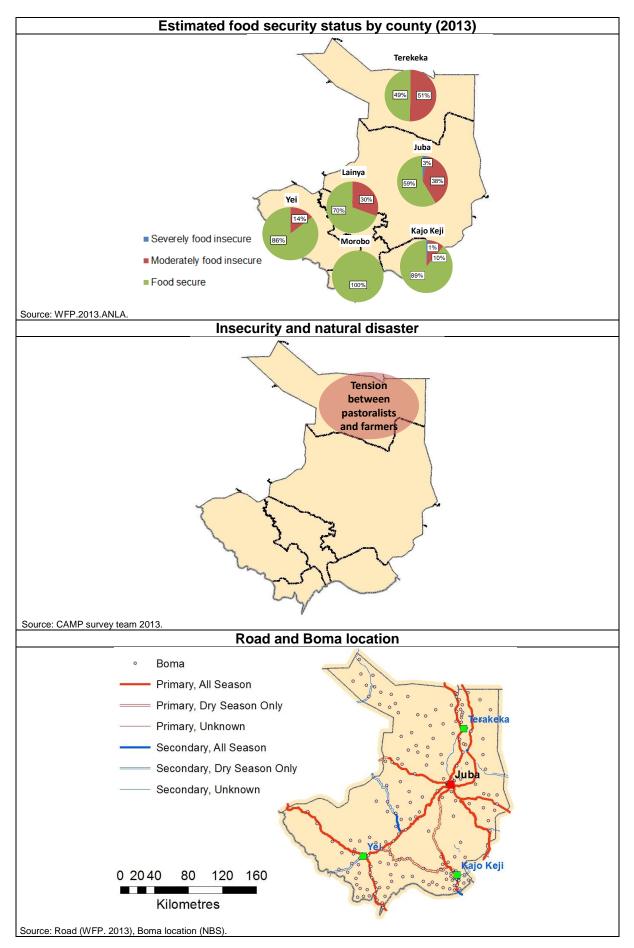
- Lack of funding from State government
- Due to sharing the ministry with agriculture and forestry, environment, cooperatives and rural development, livestock is always overshadowed by the other agriculture sub-sectors.
- Lack of drugs and vaccines
- Insufficient means of transport
- Poor coordination between the State and National ministries
- Livestock diseases
- · Conflicts resulting from stealing of animals
- · Lack of infrastructure at the state and county levels
- Land problem for the livestock facilities within the state
- Lack of laws and regulations
- High and illegal taxation
- Lack of awareness of extension activities to livestock keepers

8.7 Fisheries									
	shing households	6,682	ANTENNA STR						
(ANLA 2012)					102				
Fish	Unknown but relativ	•	Real Providence	STAL d	家本、				
production	as there are few larg		River		122				
	or swamps in the sta		6378	\$ TAL	S. LAND				
	rivers near to habita		S.S.	KUL NUL					
	heavily fished, mo		0 25 50 100 150 200	词外公主不当为					
	subsistence but surplus will								
Fich exporte	be sold.		Kilometres						
Fish exports Fish	None From Uganda via Yei and from DRC, and from other states in South Sudan. Al								
-	smoked and dried fisl		DRC, and norn othe		Suuan. Ali				
imports Seasonality	A dry season fishery		no wat cancon tha f	ching household	a ara huav				
Seasonality		since in u	le wei season ine n	sning nousenoid	s are busy				
Landing	cultivating. These are located ne	or rivore c	and human habitatio	n though not cou	atralicad in				
sites				n, mough not cei					
Gears	any way.	na long lin		on note dill note	(ctokod)				
Vessels	Cast nets, pole and li Planked and dugout				(siakeu)				
Informal	Tax is a problem fo				ha Count				
taxation	Authorities and no rev			esponsibility of t	the County				
Security	WES has singular se			Ezo Tomburo o	nd Nazara				
Security	Counties on the bou								
	caused insecurity as		culture		ale.				
	most fich nanda of an								
	most fish ponds of any				and the second second				
	upported by NGOs a				And States				
	still struggling. Pro			A	and the second second				
	husbandry technique NGOs) Major p			A DECEMBER OF					
	roughout the state.			Stream of a c	V.F				
	evelop this small sca	ala integra	ated fish		SE MAN				
	any areas among lite			11	-				
	s. Ponds need to be			11	AND AND				
	cial, in clusters arou				AN ADD - S				
	quired. Some traders t			ask I Well	12000				
	e "Uganda" market ir			dicating a high i	unsatisfied				
•	-	•	-	aloualing a high t					
	demand for fresh fish in the area. (Photo: Fish pond near Yambio)								
	Fish ponds in V	NES (2013)	Updated Septembe	r 2013					
Co	Fish ponds in V	VES (2013) Ponds	Updated Septembe (F	r 2013 Producing Ponds					
Co Yambio Coun	unty								
	unty	Ponds		Producing Ponds					
Yambio Coun	unty	Ponds 23 4 0		Producing Ponds 18					
Yambio Coun Ego County/	ty	Ponds 23 4		Producing Ponds 18 2 (just stocked)					
Yambio Coun Ego County/ Iba County	ty	Ponds 23 4 0	F	Producing Ponds 18 2 (just stocked) 0					
Yambio Coun Ego County/ Iba County Tambura Cou	unty ty nty	Ponds 23 4 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	F	Producing Ponds 18 2 (just stocked) 0 0					
Yambio Coun Ego County/ Iba County Tambura Cou Mundri East	unty ty nty	Ponds 23 4 0 2 2 t-harvest	F (and marketing	Producing Ponds 18 2 (just stocked) 0 0 0. Not yet stocked					
Yambio Count Ego County/ Iba County Tambura Cou Mundri East Fish is coming	nty Pos	Ponds 23 4 0 2 2 2 st-harvest 5, Uganda	F (and marketing , DRC to feed the point	Producing Ponds 18 2 (just stocked) 0 0. Not yet stocked 0 0 pulation, as loca	al supplies				
Yambio Count Ego County/ Iba County Tambura Cou Mundri East Fish is coming are insufficien	nty Pos nty CES	Ponds 23 4 0 2 2 st-harvest 5, Uganda, dried and	F and marketing , DRC to feed the point of t	Producing Ponds 18 2 (just stocked) 0 0. Not yet stocked 0 0 pulation, as loca	al supplies				
Yambio Count Ego County/ Iba County Tambura Cou Mundri East Fish is coming are insufficien	ty nty Pos g in to WES from CES it. Large selection of	Ponds 23 4 0 2 2 st-harvest 5, Uganda, dried and	F and marketing , DRC to feed the point of t	Producing Ponds 18 2 (just stocked) 0 0. Not yet stocked 0 0 pulation, as loca	al supplies				
Yambio Coun Ego County/ Iba County Tambura Cou Mundri East Fish is coming are insufficien Yambio and of	ty nty Pos g in to WES from CES it. Large selection of ther towns. Fish prices	Ponds 23 4 0 2 2 st-harvest 5, Uganda dried anc for Yambi	F and marketing , DRC to feed the poil smoked products o in July 2013.	Producing Ponds 18 2 (just stocked) 0 0. Not yet stocked 0 0. Not yet stocked 0 0 0 available in the	al supplies market in SSP/kg				
Yambio Coun Ego County/ Iba County Tambura Cou Mundri East Fish is coming are insufficien Yambio and of Species	ty nty Pos g in to WES from CES it. Large selection of ther towns. Fish prices Presentation	Ponds 23 4 0 2 2 st-harvest 5, Uganda dried and for Yambi SSP/kg	F and marketing , DRC to feed the point smoked products o in July 2013. Species	Producing Ponds 18 2 (just stocked) 0 0. Not yet stocked 0 0 0. Not yet stocked 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	al supplies market in SSP/kg 15.38				
Yambio Count Ego County/ Iba County Tambura Cou Mundri East Fish is coming are insufficien Yambio and of Species Clarius spp	ty ty nty Pos g in to WES from CES it. Large selection of ther towns. Fish prices Presentation Dried plaits Dried plaits	Ponds 23 4 0 2 2 st-harvest 5, Uganda dried anc for Yambi SSP/kg 62.18	F and marketing , DRC to feed the poil smoked products o in July 2013. Species Alestes	Producing Ponds 18 2 (just stocked) 0 0 0. Not yet stocked 0 0 0 0 0 0 0 0 0 0 0 0 0	al supplies market in				
Yambio Count Ego County/ Iba County Tambura Cou Mundri East Fish is coming are insufficien Yambio and of Species Clarius spp Distichotus sp	ty ty nty Pos g in to WES from CES it. Large selection of ther towns. Fish prices Presentation Dried plaits Dried plaits	Ponds 23 4 0 2 st-harvest 5, Uganda, dried and o for Yambi SSP/kg 62.18 46.81	F and marketing , DRC to feed the poil smoked products o in July 2013. Species Alestes Clarius spp	Producing Ponds 18 2 (just stocked) 0 0 0. Not yet stocked 0 0. Not yet stocked 0 0 0 0 0 0 0 0 0 0 0 0 0	al supplies market in SSP/kg 15.38 54.05				

9 Central Equatoria State (Capital: Juba)







	Organ	ogram			Staff	
		0		Breakdown of i	nformation not ful	ly available
Minister	Virector General	Directorate of	Forestry		ection	Number o staff
Source: State MAF	- -	Statistics	Agriculture	Department of E Department of A Finance Department of A Department of A Department of A Department of A Department of B Department of F Department of F Department of F Department of A Department of A	Jtilization griculture Mechanization Extension Horticulture Research and Training Crop Production Plant Protection Planning and Statistics Administration and	(3 (5 (17 (42 (19 9 (5 (11 (11 (4 (11 (25
	Bu	dget		Source: State MAF.	Strategic plan	
Category	2011/12	2012/13	2013/14	CES Strategic plan		
	Budget (Data not	Budget	Budget	Objective	(Information n	,
Salary	available)	1,022,152	1,389,646	Budget	(Information n	,
Operating	(Data not available)	253,625	600,000	Plan Activities	(Information n (Information n	,
Transfers	(Data not available)	-	-			
Others	(Data not available)	-	-			
Capital	(Data not available)	0	5,649,402			
Overall total	(Data not available)	1,275,777	7,639,048			
ource: State MAF nit: SSP						
	Serv	ices provide	ed by State	MAF and local gov	vernment	
Technical a	dvice)					
				officers who are de extension officers v		

• Technical advices is also provided by some of the plant protection officers, agriculture mechanization officers and crop production officers who work collectively with the extension workers at county and payam level.

(Seeds and tools provision)

• The state ministry of agriculture normally provides seeds and some tools in the beginning of the first and second rain season respectively to farmers in six counties.

(Demo farm and field day= visit to field to share best agricultural practices)

 Demo farms are well established in CES. The CAD offices in Yei, Morobo, Lainya and Kajo Keji Counties have demo farms (FFS: Farmers Field School) to train farmers in new agricultural practices.

(Tractor hiring service)

• The state ministry provides one tractor to each county. The serve charge is between SSP 150 and 200/feddan. Some of these tractors are not sufficiently maintained.

9.3 Crop								
	Services provided by DPs	and NGOs						
Organisation	Activities	Area	Target					
BRAC (Bangladesh Rural Advancement Comitte)	 Provide grinding mills and boreholes for two women's groups. 	Yei County	Farmers in the pilot areas					
AAH-I (Action Africa Help International)	 Provide three motorized rice mills to three farmers' groups 	Yei County	Farmers in the pilot areas					
UMCOR (United Methodist Committee on Relief)	 Provide grinding mills for maize as loan to individuals for value addition 	Yei County	Farmers in the pilot areas					
FARM Project/USAID	 Following services are provided: Seed distribution Training farmers and extension workers Marketing project (value addition) Demo plots Land preparation support (80% of the charge will be supported by the project) 	Yei, Kajo Keji and Morobo Counties	Farmers in the pilot areas (FBOs: Farmer- based organisations)					
GIZ	Implement value chain development project	Morobo Counties						
IFDC (International Fertilizer Development Centre)	 Provide quality maize seeds with fertilizer 	Yei, Morobo, Kajo Keji Counties						
AAO Morobo (Community based organisation)	 Following services are provided: Deliver training for farmers Implement seed multiplication project 	Morobo County						
	GOs in the state. The above information collecte		н из еленциез.					
/ T erester 111	Services provided by p	rivate sector						
Counties. (e.g. Savar (Agro-dealer) • Seed and tool supp	vidual tractor hiring service provid nnah Company in Kajo Keji Count ly systems are well established em provide technical advice to the	y) 1 in Yei, Lainya,	Morobo and Kajo Kej					
 Financial institutions Equity bank started p other micro finance in 	which support farmers are few. providing loans to group of farme nstitutions such as Rural Finance o provide loans to individuals and	Initiative and Epis	scopal Church of Sudar					

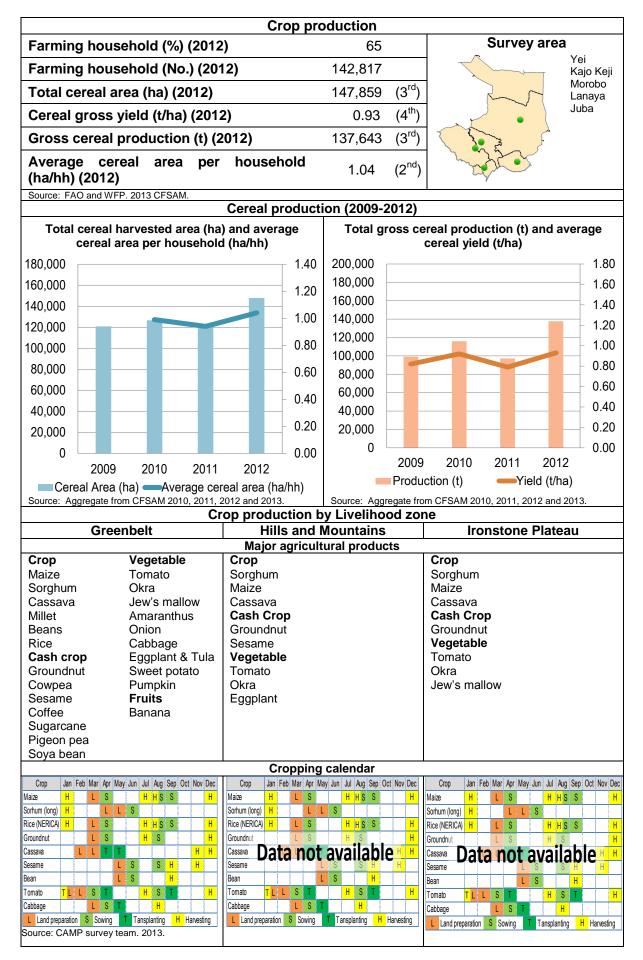
	Market						
		Agricultural products and	their origin (Yei	, April 201	3)		
(Crop) (Others)							
Item	Туре	Origin	Item	Туре	Origin		
Sorghum	Import	-	Tomato	Import	Uganda		
Sorghum	Domestic	Yei,Morobo, Lainya	Tomato	Domestic	Yei, Morobo		
Maize grain	Import	-	Okra	Import			
Maize grain	Domestic	Morobo, Yei	UNIA	Domestic	Yei, Morobo, Lainya, Kajo Keji		
Maize flour	in Import Uganda		Onion	Import	Uganda		
Ivialze noui	Domestic	Morobo	Union	Domestic	Yei, Morobo,Lainya		
Cassava	Import	-	Jew's mallow	Import	-		
Cassava	Domestic	Yei, Morobo, Lainya, Kajo Keji		Domestic	Yei, Morobo, Lainya, Kajo Keji		
Bean	Import	Tanzania, Uganda	Cabbage	Import	Uganda		
Dean	Domestic	Yei, Morobo	Cabbaye	Domestic	Yei, Morobo		
Groundnut	Import	-	Irish potato and	Import	Uganda		
Groundhut	Domestic	Yei, Morobo, Lainya, Kajo Keji	carrot	Domestic	Yei		
Source: CAMP su *This not a repres			Source: CAMP surv *This not a represent				

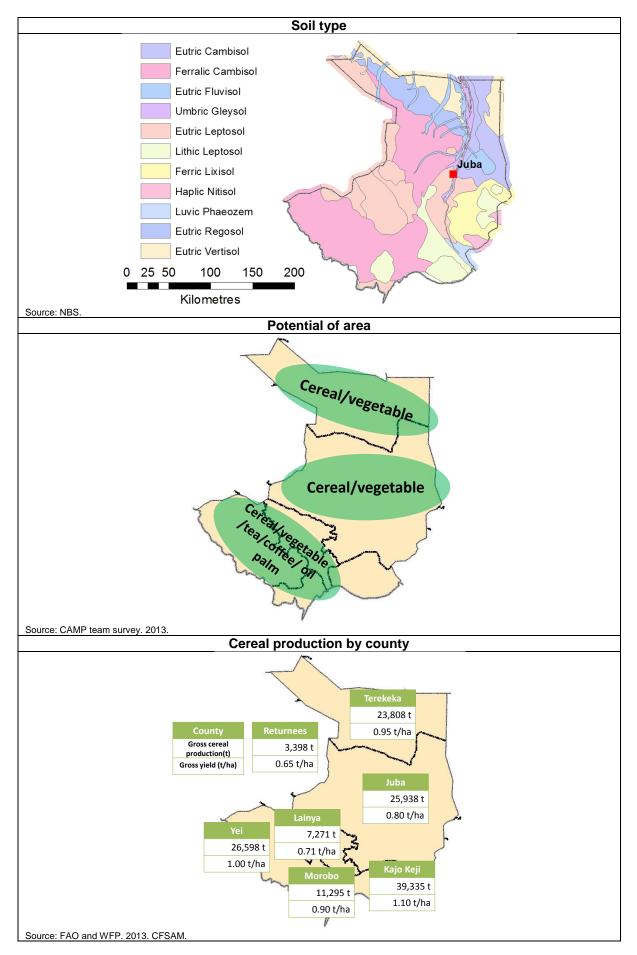
Market pr	ice (Retail	price, Yei,	April 2013)

ltem	Unit		Price (SSI	P) (range)		
nem	Unit	Low seaso	on		High season	
Maize grain (Domestic)	1 kg	Sep-Oct	1.4 -	1.6	June-July	
Maize flour (Import)	Sack (50 kg)	Jan-Apr	120 -	140	May-Sep	
Sorghum (Domestic)	1 kg	Dec-Mar	1.4 -	1.6	June	
Cassava (Domestic)	Bucket	Jan-Mar	18 -	20	Apr-Dec	
Groundnut (Domestic)	Bucket	July-Aug	12 -	15	Apr-May	
Sesame (Domestic)	Basin (18 kg)	Jan	150 -	170	Ma-Aug	
Jew's mallow (Domestic)	Bundle	Apr-Aug	1 (small) -	1 (big)	Jan-Mar	
Okra (Domestic)	Piece	July	2 8-10 pieces	2 4-6 pieces	Feb	
Tomato (Domestic)	Piece	June-Dec	1 _ 3-4 pieces _	2 3-4 pieces	Jan-May	
Onion (Import)	Piece	Aug-Jan	2 4 pieces	5 5 pieces	Dec-Apr	
Cabbage (Domestic)	Head	July-Nov	3 -	7	Jan-June	
Irish potato (Import)	Piece	Aug-Dec	2 4 pieces	5 5 pieces	Feb-May	

Source: CAMP survey team 2013. *This not a representative sample.

Туре	Unit	Currency	Cost			
Uganda-Yei	Truck (50 ton)	SSP	2,500			
Uganda-Nimule	Truck (50 ton)	Ush	1,000,000			
Juba-Yei	Truck (6 ton)	SSP	2,750			
Juba-Morobo	Truck (6 ton)	SSP	3.500			
Juba- Kajo Keji	Truck (6 ton)	SSP	3,000			
Juba-Lainya	Truck (6 ton)	SSP	2,000			
Source: CAMP survey team 2013. *This not a representative sample.						
Taxes and charges (Yei, April, 2013)						
(Wholesaler size 4mx4m)						
Туре	Cost (SSP)	Fre	equency			
Licence	200		ually			
Rent	30	-	nthly			
Customs tax	6	Per	bag			
	-	Every purchase				
Chamber of Commerce (5% of value)		=:•				
	-					
Chamber of Commerce (5% of value)	Cost (SSP) (range)		equency			
Chamber of Commerce (5% of value) (Retailer)						





Cross cutting issues

(Land)

- Land boundary issues between urban and sub-urban areas
- Tension between pastoralists and sedentary farmers in Terekeka County

(Gender)

- Weak land rights of widows
- (Security)
 - There are few serious security issues.

(IDPs and returnees)

- Refugees from DRC near border
- Considerable number of IDPs especially from Jonglei State

(HIV)

• HIV infection rate is higher in areas along the border.

Opportunities

Crop

- Fertile land with sufficient rainfall
- Double crop farming is available.
- Considerable number of farmers is commercial oriented.

Challenges

Overall

- Feeder roads are not well established.
- Poor access to financial institutions
- High tax rates
- High transport costs
- High labour costs

Crop

- Appropriate agricultural inputs are not available for most farmers.
- Capacities of the extension workers and farmers are underdeveloped.
- Market information is not available for some farmers.
- Few agricultural processing facilities
- The number of tractors does not meet the farmers' needs.
- Few opportunities of practical training for farmers
- Conditions of storage facilities at local level are not adequate to keep agricultural products long term.
- Effective pest and disease control methods are not available.
- Occasionally floods occur mainly in July and August.
- Soil fertility goes down due to over cropping without sufficient fertilizer and manure input.

9.4 Forestry									
			-	oing and		-	-		
				st of on-g		rojects			
	ct name	•	ctives/activ			Durat		Annual cost	
	Afforestation (CETC: Central Equatoria Teak Company)			and utilizat	tion of for		Informatio vailable)	on not	(Information not available)
			culture an	d nursery	developn		Informatic vailable)	on not	(Information not available)
(KFTC: Kage Training Cer	Forestry management (KFTC: Kagelu Forestry Training Centre) Source: CAMP team survey. 2013.			restry mar ry Training			Informatio vailable)	on not	(Information not available)
		-	Lis	t of prop	osed p	rojects	6		
Proje	ct name		Objectives/activities				Durati	on	Annual cost
Afforestation			Plantation development		· ·	(Information not available)		(Information not available)	
Capacity de	•		Support tree out-growers			ava	(Information not available)		(Information not available)
Capacity de	velopment	2 Trai	Train farmers on forestry			(Information not available)		(Information not available)	
Extension p	rogram	Dev	elop exter	nsion syste	m (Information not available)		not	(Information not available)	
Source: CAMP te	am survey. 20)13.							
			Land co	ver perc	entage	to tota	l area		
County	AG	TCO	SCO	HCO	URB	BS	WAT	Total	Total area (ha)
Juba	3.8%	25.3%	56.2%	13.7%	0.4%	0.2%	0.3%	100.0%	1,889,060
Kajo Keji	22.6%	19.1%	54.9%	3.1%		0.1%	0.1%	100.0%	265,002
Lainya	14.5%	53.8%	24.0%	7.2%	0.0%	0.5%	0.0%	100.0%	345,843
Morobo	41.0%	19.9%	37.7%	1.2%	0.1%	0.2%		100.0%	135,662
Terekeka	4.3%	48.9%	26.2%	20.1%	0.0%	0.1%	0.5%	100.0%	1,085,093
Yei	14.4%	46.1%	24.5%	14.4%	0.1%	0.4%	0.0%	100.0%	
Total	8.7%	36.0%	40.8%	13.9%	0.2%	0.2%	0.3%	100.0%	4,390,569
Source: FAO. 20)11. Land cove	er atlas of Sou =Tree closed	<i>ith Sudan</i> . R	ome: FAO. CO=Shrubs c	losed-to-sp	arse. HCO	=Herbaceou	is closed-to s	parse, URB=Urban areas,

Legend: AG=Agriculture, TCO=Tree closed-to-sparse, SCO=Shrubs closed-to-sparse, HCO=Herbaceous closed-to sparse, URB=Urban areas, BS=Bare Rocks and Soil, and WAT=Waterbodies.



9.5 St	ate Mir	nistry of	f Anima	al Resourc	es and Fisheries (MARF)		
		nogram			Staff		
	J *	- J			Breakdown of information not fully available		
Minister Director	r General	Directo	rate of Vete	rinary Services	Section Number of staff		
			rate of Lives	stock	Directorate of Veterinary Services 62 Department of Epizootic, Disease Control (27)		
		Develo		ariaa	and Epidemiology Department of Veterinary Services (12)		
		Directo	rate of Fish pment	enes	Department of Animal Health (23) Directorate of Livestock Development 78 Department of Animal Production (65)		
			rate of Plan g and Exten	ning, Research, sion	Department of Livestock Marketing (13) Directorate of Fisheries Development 33		
			rate of Rang sture Impro	ge Management ovement	Directorate of Research, Extension, - Training & Planning - Directorate of Range Management and 37		
			rate of Fina	nce and	Pasture Improvement Directorate of Finance and 36		
		Adminis	stration		Administration County Vet. Coordination Office -		
		County	Vet. Coordi	nation office	Total 246		
Source: State MARF.					Source: State MARF.		
E	Budget				Strategic plan		
Category	2011/12 Budget	2011/12 Outturn	2012/13 Budget		toria State Strategic plan (2012-2014)		
Salary	2,076,307	2,030,131	2,461,700		nsure food security in productivity of livestock and fisheries		
Wage and salaries Incentives and overtime	1,739,088 5,000	1,920,428 0	2,104,017 0		oducts		
Pension contributions	274,219	0	357,683		rovide effective veterinary services and control of livestock sease		
Social benefits Operating	58,000 259,299	109,703 400,028	355,203		rovide effective veterinary extension services to pastoralist,		
Travel	45,000	197,637	50,000	-	pro-pastoralists nsure effective livestock disease surveillance and reporting		
Staff training and other staff costs	35,000	7,743	100,000	sy	stem prove production and productivity of livestock and livestock		
Contracted services Repairs and maintenance	20,599 25,000	0 24,650	70,203 80,000		oducts		
Utilities and communications	9,000	24,450	5,000	• Er	rovision of water to livestock hance poultry production and productivity uild capacity of technical staff and farmers		
Supplies, tools and materials	104,200	132,248	30,000		ormation not available)		
Other operating expenses Transfers	20,500 0	13,300 67,540	20,000 0		hance delivery of essential veterinary drugs and vaccines livestock keepers through appropriate channels		
Transfer conditional salaries	0	13,508	0		evelop and implement a training plan for staff at all levels ocus on the development strategies for control of two		
Transfer Operating Transfer Capital	0	40,524 13,508	0	pr	iority diseases of cattle (Contagious bovine europneumonia, East Coast Fever)		
Others	0	25,220	0		eploy the vet staff to all level to coordinate all extension		
Social assistance benefit: Capital	0 557,868	25,220 651,215	0 170,677		tivities for the Directorate of Veterinary Services plement effective rabies control in domestic dogs		
Infrastructure and land	360,720	422,565	0		articipate in the collection of data for a first national		
Vehicles Specialised equipment	24,000 173,148	0 228,650	84,460 86,217		estock census		
Overall total	2,893,474	,	2,987,580		prove meat and milk hygiene stablishment of ranches		
Source: State MARF.				• Co	onstruction of livestock holding facilities		
Unit: SSP					ovision of extension packages in livestock market eservation of hides and skins		
					onstruction of water catchment for livestock		
					stablishment of demonstration farms		
				di	oat units to support the food security in the state through stribution of improved goats to farmers reatment and animal health advices		
					ublic Health awareness		
					rugs on cost recovery basis		
				Source: State MA	sease inspection and control		
	Service	es provid	ed by St		nd local government		
(Animal production se	rvices)				-		
 Promotion of dairy and processors in 		ent/milk proc	duction and	d collection, proce	essing and distribution, marketing to the consumers		
 Promotion of poult Training of various 	• •		-		ent techniques		
 Development of ex 	xtension an	d training m	aterials				
 Extension services (Animal health service) 	Extension services and livestock provision by the state livestock and poultry demonstration centre						

Vaccination/treatment/drugs on cost recovery basis
Disease surveillance and control

	Sondara	9.6 Livestor		~		
lo national governme		provided by National g ations are in the state.	overnment institutio	ns		
	-					
	S	ervices provided by DP				
Organisation	<u> </u>	Activities	Area	Period		
VSF (Vétérinaires Sans Frontières) Belgium		training on meat hygiene e veterinary drugs	Terekeka and Juba Counties	(Information not available)		
NPA (Norwegian People's Aid) FAO	manageProvideProvide	e veterinary equipment e vaccine and veterinary	Kajo-Keji, Terekeka, Juba and Lainya Counties Yei, Lainya and	available) (Information not		
NICODO (Nile Basin Community Development Organisation)	 Deliver livestor Deliver to lives Provide keeper Collect and pro yogurt Establis suppor factory Implem program cooper 	nrough ministries service on treatment and k vaccination training on milk hygiene tock keepers tock keepers training to livestock and CAHWs milk from cattle camps oduce fresh milk and sh a veterinary clinic ted by the milk processing nent goat restocking n for women's group in ation with other NGOs	Morobo Counties Juba County	available) (Information not available)		
CEPA (Central Equatoria Poultry Association, Local community organisation)	provide	nate poultry farmers and extension services in ation with the State MARF	(Information not available)	(Information not available)		
World Vision	Provide product	chicks to develop poultry	(Information not available)	(Information not available)		
ource: CAMP survey team. 20 CAHW: Community Animal He	013.		,			
		Services provided by p	private sector			
Agro-dealer) A number of agro Livestock market) (Information not a Slaughter house) (Information not a Others) (Information not a Structure) 	available) available)	rovide veterinary drugs an	d technical advices to li	vestock keepers.		
		Livestock popula				
Type of Anim	nal	Populat	ion in Terekeka Count	y		
		2,000,000				
Cattle		1,800,000				
Cattle Goat			1,800,000			

_			Livestock dis	eases					
Type of animal			Type of disease		Out	tbreak area in last 2 years			
Cattle			norrhagic septicaemia, B			Coast Fever			
			tagious bovine pleuropne		•	and 2011, Terekeka)			
	•		and mouse disease, Tic			quarter, Haemorrhagi			
			rax, Fasciolosis, Brucell	osis, Mange,		aemia			
	Lumpy skin di		ante Ocateriane consiste			, Terekeka)			
Sheep			ants, Contagions caprine			des Petits Ruminants			
and goat	Pneumonia	eleuropneumonia, Mange, Internal parasite, Foot rot, (2013, Lanya)							
Poultry			ternal parasites, Helmint	hiacic	Nowe	astle Disease (2013)			
Found			osis, Fowl typhoid, Resp						
	Saimoneilosis			iratory disease	availa				
Pig	Internal and e	xternal na	arasites			was no outbreak in th			
19						years.			
Canine	Rabies, Intern	al and ex	ternal parasites, Mange			was no outbreak in th			
••••••			iteritai paraenee, mange		last 2				
Source: State	MARF.					,			
			Animal health	issues					
	ack of laws an	-							
			due to livestock cross bo	order movemen	it				
• F	loods cause m	ore disea	ases.						
• L	ack of veterina	ary drugs							
• L	imited technica	al advices	and extension services.						
			Market						
	livestock and			Market					
livest	ock product			markot					
			mary and secondary)						
0-44		IOrokok							
Cattle			a (primary market)						
Cattle		Yei (prim	nary and secondary mark						
		Yei (prim Kajio kaj	nary and secondary mark i (terminal, primary and s	econdary mark	(et)				
Sheep a	and goat	Yei (prim Kajio kaj All count	nary and secondary mark i (terminal, primary and s ies (primary and seconda	econdary mark ary market)					
Sheep a Poultry		Yei (prim Kajio kaj All count All count	nary and secondary mark i (terminal, primary and s ies (primary and seconda ies (primary market) (Imp	econdary mark ary market) ported poultry fi	rom Ug				
Sheep a Poultry Hide and	d skin	Yei (prim Kajio kaj All count All count Juba prir	nary and secondary mark i (terminal, primary and s ies (primary and seconda	econdary mark ary market) ported poultry fi	rom Ug				
Sheep a Poultry Hide and	~	Yei (prim Kajio kaj All count All count Juba prir	hary and secondary mark i (terminal, primary and s ies (primary and seconda ies (primary market) (Imp mary market, Uganda and	eccondary mark ary market) ported poultry fi d Kenyan secon	rom Ug				
Sheep a Poultry Hide and ource: CAM	d skin P survey team. 2013	Yei (prim Kajio kaj All count All count Juba prir 3.	nary and secondary mark i (terminal, primary and s ies (primary and seconda ies (primary market) (Imp	econdary mark ary market) oorted poultry fi d Kenyan seco ce	rom Ug ndary r				
Sheep a Poultry Hide and ource: CAM	d skin	Yei (prim Kajio kaj All count All count Juba prir	hary and secondary mark i (terminal, primary and s ies (primary and seconda ies (primary market) (Imp mary market, Uganda and Market pri	eccondary mark ary market) ported poultry fi d Kenyan secon	rom Ug ndary r	narket			
Sheep a Poultry Hide and ource: CAM	d skin P survey team. 2013 Item	Yei (prim Kajio kaj All count All count Juba prin Unit	ary and secondary mark i (terminal, primary and secondaries (primary and secondaries (primary market) (Imp mary market, Uganda and Market print Low season	econdary mark ary market) ported poultry fr d Kenyan secon ce Price (SSF	rom Ug ndary r P)	narket High season			
Sheep a Poultry Hide and ource: CAM	d skin P survey team. 2013 Item eef)	Yei (prim Kajio kaj All count All count Juba prin Juba prin Juba prin Juba prin Juba prin Juba prin	hary and secondary mark i (terminal, primary and seconda ies (primary and seconda ies (primary market) (Imp mary market, Uganda and Market pri Low season (Data not available)	econdary mark ary market) ported poultry fi d Kenyan secon ce Price (SSF 30 -	rom Ug ndary r ?) 30	narket High season (Data not available)			
Sheep a Poultry Hide and ource: CAM Meat (be Meat (sh	d skin P survey team. 2013 Item eef) eeep and goat)	Yei (prim Kajio kaj All count Juba prin Juba prin Unit 1 kg 1 kg	ary and secondary mark i (terminal, primary and secondaries (primary and secondaries (primary market) (Imp mary market, Uganda and Market print Low season (Data not available) (Data not available)	econdary mark ary market) ported poultry fi d Kenyan secon ce Price (SSF 30 - 40 -	rom Ug ndary r ?) 30 40	High season (Data not available) (Data not available)			
Sheep a Poultry Hide and ource: CAM Meat (Sh Fresh mi	d skin P survey team. 2013 Item eef)	Yei (prim Kajio kaj All count Juba prin Juba prin Unit 1 kg 1 kg 600 ml	ary and secondary mark i (terminal, primary and secondaries ies (primary and secondaries (primary market) (Imp mary market, Uganda and Market print Low season (Data not available) (Data not available) (Data not available)	econdary mark ary market) ported poultry fi d Kenyan secon ce Price (SSF 30 - 40 - 2 -	rom Ug ndary r ?) <u>30</u> 40 2	High season (Data not available) (Data not available) (Data not available)			
Sheep a Poultry Hide and ource: CAM Meat (be Meat (be Meat (sh Fresh mi Yogurt	d skin P survey team. 2013 Item eef) heep and goat) ilk (Terekeka)	Yei (prim Kajio kaj All count Juba prin Juba p	ary and secondary mark i (terminal, primary and secondaries ies (primary and secondaries ies (primary market) (Imp mary market, Uganda and Market print Low season (Data not available) (Data not available) (Data not available) (Data not available)	econdary mark ary market) ported poultry fi d Kenyan secon ce Price (SSF 30 - 40 - 2 - 3 -	rom Ug ndary r 2) 30 40 2 3	High season (Data not available) (Data not available) (Data not available) (Data not available) (Data not available)			
Sheep a Poultry Hide and ource: CAM Meat (be Meat (be Meat (sh Fresh mi Yogurt Milk (fres	d skin P survey team. 2013 Item eef) ieep and goat) ilk (Terekeka) sh, Juba)	Yei (prim Kajio kaj All count Juba prin Juba p	ary and secondary mark i (terminal, primary and secondaries (primary and secondaries (primary market) (Imp mary market, Uganda and Market print Low season (Data not available) (Data not available) (Data not available) (Data not available) (Data not available) (Data not available) (Data not available)	econdary mark ary market) ported poultry fr d Kenyan secon ce Price (SSF 30 - 40 - 2 - 3 - 4 -	rom Ug ndary r ?) 30 40 2 3 4	High season (Data not available) (Data not available) (Data not available) (Data not available) (Data not available) (Data not available)			
Sheep a Poultry Hide and ource: CAM Meat (be Meat (be Meat (sh Fresh mi Yogurt Milk (fres Sheep a	d skin P survey team. 2013 Item eef) ieep and goat) ilk (Terekeka) sh, Juba) nd goat (Yei)	Yei (prim Kajio kaj All count Juba prin Juba prin Unit 1 kg 1 kg 600 ml 500 ml 500 ml Head	ary and secondary mark i (terminal, primary and secondaries ies (primary and secondaries ies (primary market) (Imp mary market, Uganda and Market print Low season (Data not available) (Data not available)	econdary mark ary market) ported poultry fr d Kenyan secon ce Price (SSF 30 - 40 - 2 - 3 - 4 - 220 -	rom Ug ndary r 30 40 2 3 4 2 2 70	High season (Data not available) (Data not available) (Data not available) (Data not available) (Data not available) (Data not available) (Data not available)			
Sheep a Poultry Hide and ource: CAM Meat (be Meat (sh Fresh mi Yogurt Milk (fres Sheep a Cattle (Ju	d skin P survey team. 2013 Item eef) ieep and goat) ilk (Terekeka) sh, Juba) nd goat (Yei) uba)	Yei (prim Kajio kaj All count Juba prin Juba p	ary and secondary mark i (terminal, primary and secondaries (primary and secondaries (primary market) (Imp mary market, Uganda and Market print Low season (Data not available) (Data not available)	econdary mark ary market) ported poultry fr d Kenyan secon ce Price (SSF 30 - 40 - 2 - 3 - 40 - 2 - 3 - 4 - 220 - 1,200 -	rom Ug ndary r 30 40 2 3 4 270 3,500	High season (Data not available) (Data not available)			
Sheep a Poultry Hide and fource: CAM Meat (be Meat (be Meat (sh Fresh mi Yogurt Milk (fres Sheep an Cattle (Ju Meat (po	d skin P survey team. 2013 Item eef) ieep and goat) ilk (Terekeka) sh, Juba) nd goat (Yei) uba)	Yei (prim Kajio kaj All count Juba prir Juba p	ary and secondary mark i (terminal, primary and secondaries ies (primary and secondaries (primary market) (Imp mary market, Uganda and Market print Low season (Data not available) (Data not available)	econdary mark ary market) ported poultry find d Kenyan secon ce Price (SSF 30 - 40 - 2 - 3 - 40 - 2 - 3 - 4 - 220 - 1,200 - 40 -	rom Ug ndary r 30 40 2 3 4 270 3,500 40	High season (Data not available) (Data not available)			
Sheep a Poultry Hide and ource: CAM Meat (be Meat (be Meat (sh Fresh mi Yogurt Milk (fres Sheep an Cattle (Ju Meat (po Egg	d skin P survey team. 2013 Item eef) ieep and goat) ilk (Terekeka) sh, Juba) nd goat (Yei) uba)	Yei (prim Kajio kaj All count Juba prir Juba p	ary and secondary mark i (terminal, primary and secondaries ies (primary and secondaries (primary market) (Imp mary market, Uganda and Market print Low season (Data not available) (Data not available)	econdary mark ary market) ported poultry find d Kenyan secon ce Price (SSF 30 - 40 - 2 - 3 - 40 - 220 - 1,200 - 40 - 1 -	rom Ug ndary r 30 40 2 3 4 270 3,500 40 1	High season (Data not available) (Data not available)			
Sheep a Poultry Hide and Source: CAM Meat (be Meat (be Meat (be Meat (sh Fresh mi Yogurt Milk (fres Sheep a Cattle (Ju Meat (po Egg Chicken	d skin P survey team. 2013 Item eef) ieep and goat) ilk (Terekeka) sh, Juba) nd goat (Yei) uba) ork)	Yei (prim Kajio kaj All count Juba prir Juba p	ary and secondary mark i (terminal, primary and secondaries ies (primary and secondaries (primary market) (Imp mary market, Uganda and Market print Low season (Data not available) (Data not available)	econdary mark ary market) ported poultry find d Kenyan secon ce Price (SSF 30 - 40 - 2 - 3 - 40 - 2 - 3 - 4 - 220 - 1,200 - 40 -	rom Ug ndary r 30 40 2 3 4 270 3,500 40	High season (Data not available) (Data not available)			
Sheep a Poultry Hide and Source: CAM Meat (be Meat (be Meat (be Meat (sh Fresh mi Yogurt Milk (fres Sheep al Cattle (Ji Meat (po Egg Chicken Frozen c	d skin P survey team. 2013 Item eef) ieep and goat) ilk (Terekeka) sh, Juba) nd goat (Yei) uba) ork) chicken	Yei (prim Kajio kaj All count Juba prin Juba p	Aary and secondary mark i (terminal, primary and secondary ies (primary and secondary) ies (primary market) (Imp mary market, Uganda and Market prine Low season (Data not available) (Data not available)	ary market) ported poultry find d Kenyan second d Kenyan second ce Price (SSF 30 40 2 33 4 220 1,200 40 60	rom Ug ndary r 30 40 2 3 4 270 3,500 40 1 90	High season (Data not available) (Data not available)			
Sheep a Poultry Hide and Source: CAM Meat (be Meat (be Meat (be Meat (sh Fresh mi Yogurt Milk (fres Sheep at Cattle (Ju Meat (po Egg Chicken Frozen c (Imported	d skin P survey team. 2013 Item eef) ieep and goat) ilk (Terekeka) sh, Juba) nd goat (Yei) uba) ork) shicken d from	Yei (prim Kajio kaj All count Juba prir Juba p	ary and secondary mark i (terminal, primary and secondaries ies (primary and secondaries (primary market) (Imp mary market, Uganda and Market print Low season (Data not available) (Data not available)	econdary mark ary market) ported poultry find d Kenyan secon ce Price (SSF 30 - 40 - 2 - 3 - 40 - 220 - 1,200 - 40 - 1 -	rom Ug ndary r 30 40 2 3 4 270 3,500 40 1	High season (Data not available) (Data not available)			
Sheep a Poultry Hide and Source: CAM Meat (be Meat (be Meat (sh Fresh mi Yogurt Milk (fres Sheep at Cattle (Ju Meat (po Egg Chicken Frozen c (Imported Thailand	d skin P survey team. 2013 Item eef) ieep and goat) ilk (Terekeka) sh, Juba) nd goat (Yei) uba) ork) chicken	Yei (prim Kajio kaj All count Juba prin Juba p	Aary and secondary mark i (terminal, primary and secondaries (primary and secondaries (primary market) (Imp mary market, Uganda and Market primary market, Uganda and Market primary market, Uganda and (Data not available) (Data not available)	econdary mark ary market) ported poultry fr d Kenyan secon ce Price (SSF 30 - 40 - 2 - 3 - 40 - 2 - 3 - 4 - 220 - 1,200 - 40 - 1 - 60 - 25 -	rom Ug ndary r 30 40 2 3 4 270 3,500 40 1 90 30	High season (Data not available) (Data not available)			
Sheep a Poultry Hide and Source: CAM Meat (be Meat (be Meat (sh Fresh mi Yogurt Milk (fres Sheep an Cattle (Ju Meat (po Egg Chicken Frozen c (Importee Thailand Hide	d skin P survey team. 2013 Item eef) ieep and goat) ilk (Terekeka) sh, Juba) nd goat (Yei) uba) ork) shicken d from	Yei (prim Kajio kaj All count Juba prin Juba p	Aary and secondary mark i (terminal, primary and secondaries ies (primary and secondaries ies (primary market) (Imp mary market, Uganda and Market prine Low season (Data not available) (Data not available)	econdary mark ary market) ported poultry fr d Kenyan secon ce Price (SSF 30 - 40 - 2 - 3 - 40 - 2 - 3 - 40 - 2 - 1,200 - 1,200 - 40 - 1 - 60 - 25 - 5 -	rom Ug ndary r 30 40 2 3 4 270 3,500 40 1 90 30 5	High season (Data not available) (Data not available)			
Sheep a Poultry Hide and Source: CAM Meat (be Meat (be Meat (sh Fresh mi Yogurt Milk (fres Sheep at Cattle (Ju Meat (po Egg Chicken Frozen c (Imported Thailand	d skin P survey team. 2013 Item eef) ieep and goat) ilk (Terekeka) sh, Juba) nd goat (Yei) uba) ork) shicken d from	Yei (prim Kajio kaj All count Juba prin Juba p	Aary and secondary mark i (terminal, primary and secondaries (primary and secondaries (primary market) (Imp mary market, Uganda and Market primary market, Uganda and Market primary market, Uganda and (Data not available) (Data not available)	econdary mark ary market) ported poultry fr d Kenyan secon ce Price (SSF 30 - 40 - 2 - 3 - 40 - 2 - 3 - 4 - 220 - 1,200 - 40 - 1 - 60 - 25 -	rom Ug ndary r 30 40 2 3 4 270 3,500 40 1 90 30	High season (Data not available) (Data not available)			

()		Taxes and	charges		
(Traders in Tereke	ka) Type		Cost (SSP)	From	uency
Milk market fee (g			<u> </u>	Daily	
Auction fees for c			30	Daily	
Auction fees for s		5		Daily	
Butcher license	geat		200	Annually	
Market fees for b	utcherv		20	Mon	
Source: CAMP survey tear	n. 2013.		_		
*This is not a representativ		ock species and	I producte by	ivelihood zone	
Green		Hills and N		Ironstone	Plateau
Type of Animal	Breed	Type of Animal	Breed	Type of Animal	Breed
Cattle	Nilotic and	Cattle	Nilotic and	Cattle	Nilotic and
	Logari		Logari		Logari
Sheep and goat	Nilotic,	Sheep and goat	Nilotic,	Sheep and goat	Nilotic,
	Toposa, Dworf		Toposa, Dworf		Toposa, Dwarf,
	Dwarf, Sannan and		Dwarf, Sannan and		Sannan and
	Tong burg		Tong burg		Tong burg
Pig	Local	Pig	Local	Pig	Local
Poultry	Local and	Poultry	Local and	Poultry	Local and
	exotic		exotic		exotic
Bee	Local	Bee	Local	L hurata al-	producto
Livestock Meat (cow, sh	neep, goat, pig	Livestock Meat (cow, sl	products heep, goat, pig,	Livestock Meat (cow, sh	products leep, goat, pig
and poultry)	ieep, goal, pig	and poultry)	neep, goal, pig,	and poultry)	ieep, goal, pig
• Yoghurt		Yoghurt		Yoghurt	
Honey		Honey		Hide and skin	
 Hide and skin 		Hide and skir	-	Milk (Fresh ar	nd sour)
Milk (Fresh ar	nd sour)	Milk (Fresh a	nd sour)	Ghee	
Ghee		Ghee		• Egg	
Egg Source: CAMP survey te	am. 2013.	● Egg			
,		stock related fac	ilities and trad	e routes	
	-	Fo Lakes 🛛 📉	Livestock market		
					From Bor
		K			
Cattle	\longrightarrow			J	
Sheep/Goat				Kanan	
Sheep/Goat					
Facilities	۲	To Mundri 🧹	A 1		ock market/
Single head	ded arrow: Trade	route		Slau	ghter slab
	aded arrow: Mig		Y.		
			G	razing	
	Yambio _ 🛌				From
					- Torit/
		Livestock mar	ket 🥂		Magwi
		that (
	Livestock mai		11	V	
	Slaughter ho		 التسو 	\sim	
		5	12/	Grazing Livesto	ock market/
				Slaug	hter house
		The C	77		
		The second second			
		\sim	/		k market/
		l	7	Slaugh	ter slab
		Ugar	nda		
Source: CAMP survey te	eam. 2013.				

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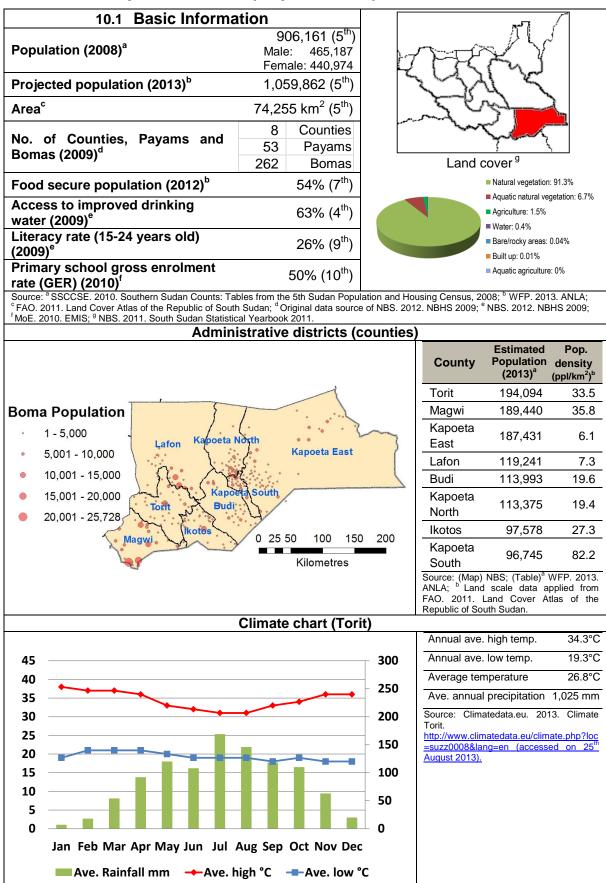
Cross-	cuttina	issues

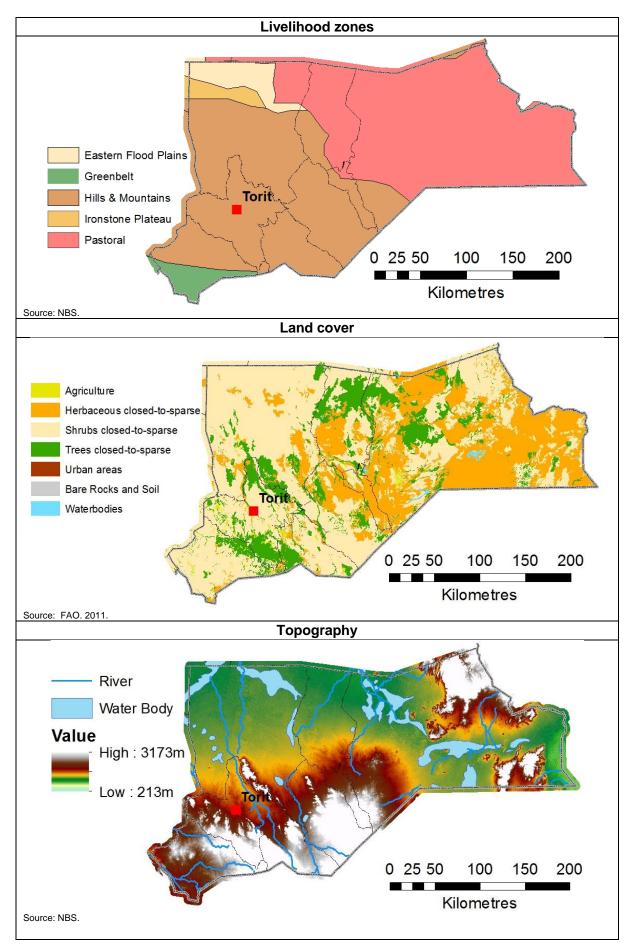
Cross-cutting issues
(Land)
• With the absence of clear land tenure policy, land issues for livestock infrastructures are found.
(Migration)
 There are no regular seasonal migration routes because of abnormal climate and insecurity.
(Conflict and insecurity)
• Conflicts caused by scarce natural resources (water and grazing) among pastoralists and
between pastoralists and sedentary famers
Cattle raiding has become a major source of insecurity in the state.
(Gender disparities)
Unequal ownership rights of cattle
• Widows are allowed to own cattle of their late husbands but they do not have right to sell the
cattle. When widows want to sell them, consultations with their relatives are required.
Women have the right to own and sell poultry.
(Drought and floods)
Floods cause more diseases.
Cattle are forced to move to high land when severe flood affect the communities.
(IDPs and returnees)
Insufficient support programs are prepared for IDPs and returnees.
Opportunities
The livestock keepers are more commercial oriented.
High population of livestock
Piggery and honey industry potential areas in Yei
Sufficient labour from urban areas
High hides and skins demand
Vast land with abundant rangelands resources
Potential supply centre of fodder crop production
Challenges
Limited number of technical staff
 Veterinary services are insufficient to cure animal diseases.
 Lack of extension services and poor government support
Inappropriate land use (e.g. grazing areas)
Poor slaughtering facilities
Investment environment is undeveloped in livestock sectors.
There are no effective countermeasures for inter-state cattle raiding.
- Long distance livesteak migration accessionally equade tension between nectoralists and

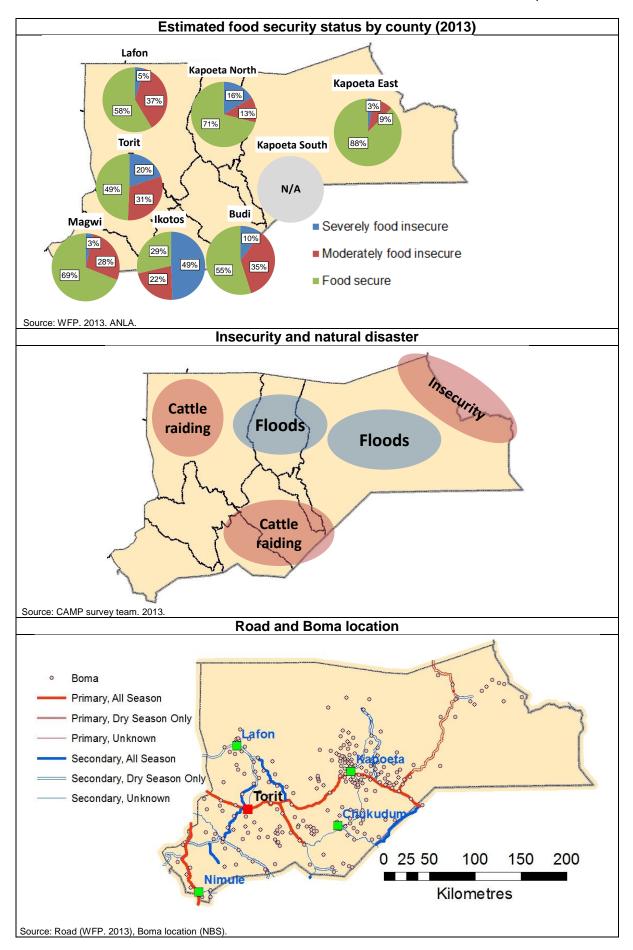
- Long distance livestock migration occasionally causes tension between pastoralists and sedentary agriculturalists.Veterinary drugs are not available due to insufficient budget.

		9.7 Fisheri	es		
Numbers of	f fishing households	22,919	- A		
(ANLA 2012		,			
Fish	Probably from 20,0	00 to 30,000	River		
production	,	,	Real Providence		
p	County, but also from				
	down the Nile and sm	0	Juba		
	lakes throughout the				
	contains Juba, with 1.2				
	so is a destination				
	everywhere. Fish sold		0 25 50 100 150 200		
	to Juba, but also smoke		Kilometres		
Fish			s its way to all of Greater Equatoria, and		
exports	north to Lakes, WBG ar				
Fish			e, and from other states in South Sudan		
imports			uba from Uganda. Dried (Daga'a) from		
	Uganda.				
Seasonality		out best in the wet	season. In the areas away from the Nile		
,			season the fishing households are busy		
			ak, Yor and Nuni are drying and fish		
			tion from these lakes is very seasonal.		
Landing			on the Nile at and around Terekeka and		
sites			hing camps in the Terekeka area alone.		
Gears	Gill nets, long lines, cas				
Vessels			sional fibreglass boat where donors have		
1000010			f motorised steel vessels for transport on		
	the Nile.				
Informal	Particularly heavy on transporters from Terekeka to Juba. Also taxes imposed on				
taxation		•	hrough Nimule to Juba)		
Investment			I boxes, etc. for transport and storage of		
			k of fish, dried and fresh.		
		Aquaculture			
	lr Ir	n Yei County there	e are 49 ponds, of which 14 are operating.		
ALC DE LA			s 9 fish ponds, 22 in Morobo County, 7 in		
and the second			Juba County of which 2 are operative.		
the set of the set of the	T	hese have been s	supported by NGOs and other donors.		
alles in the state			struggling. Problems with skills, feeds,		
and the second			techniques. (also irregular support form		
		IGOs) (Photo: A p	ond in Mugwo Payam near Yei)		
		st-harvest and m			
	CES is the major fish				
	oth fresh and smoked fi				
	transported to Juba who				
	rs. The smoked fish is v				
	ddlemen to consumers				
	being seen in Yei, Yamb				
	eps well but suffers fron shows smoked fish from				
	ing in to CES from Ugan		the Nile river in		
	ity and Lakes. Fresh fro				
	a, dried from Jonglei, U				
	ind Uganda. The marke				
	Iried fish comes from Jo				
			comes up from Uganda. (~300 tonnes		
			de two hygienic structures for fish retailing		
			ae two nygienic structures for fish retailing		
jin Juba, Witi	h insulated chill storage.				

10 Eastern Equatoria State (Capital: Torit)







10.2 State	10.2 State Ministry of Agriculture, Forestry, Cooperative and Rural Development (MAFCRD)								
	Organo		Developin	Staff					
	Organo	gram		Breakdown of information not fully available					
Minister	Director Gene	eral	Directorate of Cooperatives a	f Section Number					
			Rural Develop	Directorate of Cooperative and 40 Rural Development					
			Directorate of						
			Forestry	Department of Rural Development (22) Directorate of Forestry 41					
			Discatorate of	Department of Afferentiation Agro					
			Directorate of Planning	Forestry and Extension					
				Directorate of Planning 7 Directorate of Planning, Budgeting and (-)					
			Directorate of	f M&E					
			Agriculture	Directorate of Agriculture 51 Department of Plant Protection (-)					
			Directorate of						
			Finance and	Mechanization and Irrigation					
			Administration	Department of Horticulture and (-)					
Source: State MAFCRD.				Department of Extension Research (- Directorate of Finance and 40					
				Directorate of Finance and 40 Administration					
				Department of Establishment (-) Department of Accounts and Logistics (-)					
				Total 179 Source: State MAFCRD.					
	Budget			Strategic plan					
Category	2012/13 Budget	2011/12 Outturn	2013/14 Budget	EES policy statement (2012-13)					
Salaries	2,512,57	(Data not	2,593,676	Objective (Information not available)					
Salaries	9	available)	2,555,070	Budget (Information not available) Plan (Information not available)					
Salaries	2,021,76 7	(Data not available)	2,102,864	Activities (Information not available)					
Conditional salaries	490,812	(Data not	490,812	· · · · ·					
		available) (Data not		-					
Operating	495,166	available)	695,166						
Operating Costs	275,520	(Data not available)	475,520						
Conditional Operating	219,646	(Data not	219,646						
cost	219,040	available)	219,040	-					
Transfers	-	(Data not available)	-	-					
Others		(Data not		-					
Others		available)	-	-					
Capital	1,669,93	(Data not available)	1,169,937	7					
		(Data not	FC0 007	7					
Conditional transfers	7	available)	569,937						
Other capital expenses	-	(Data not available)	600,000						
Overall total	4,677,68	(Data not available)	4,458,779	-					
Source: State MAFCRD.	2	avaliable)		-					
Unit: SSP	Convicos r	arovidod	by State M	AFCRD and local government					
(Technical advice)		Jioviaeu	by State Wi	MAPCRD and local government					
•		rided to fa	irmers in cor	poperation with DPs and NGOs.					
(Seeds and tools									
•		•	conneration	n with DPs and NGOs.					
-				ig season due to logistical issues.					
				are best agricultural practices)					
 Demo farms a 									
(Tractor hiring ser			, areas.						

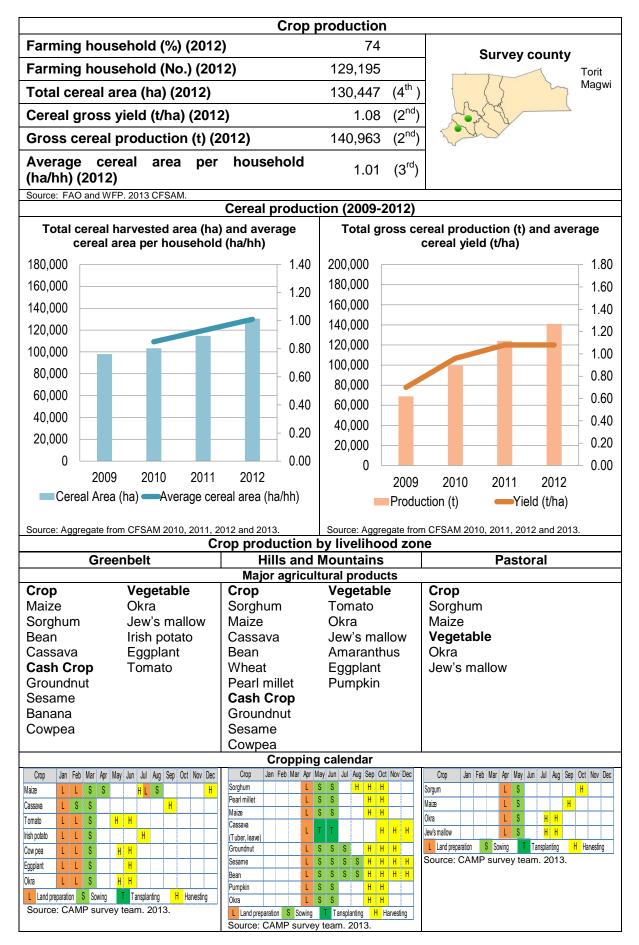
Tractor hiring service) Tractor hiring service is provided to farmers but the number does not meet farmers' needs. The majority of the tractors is not sufficiently maintained and utilised due to lack of spare parts.

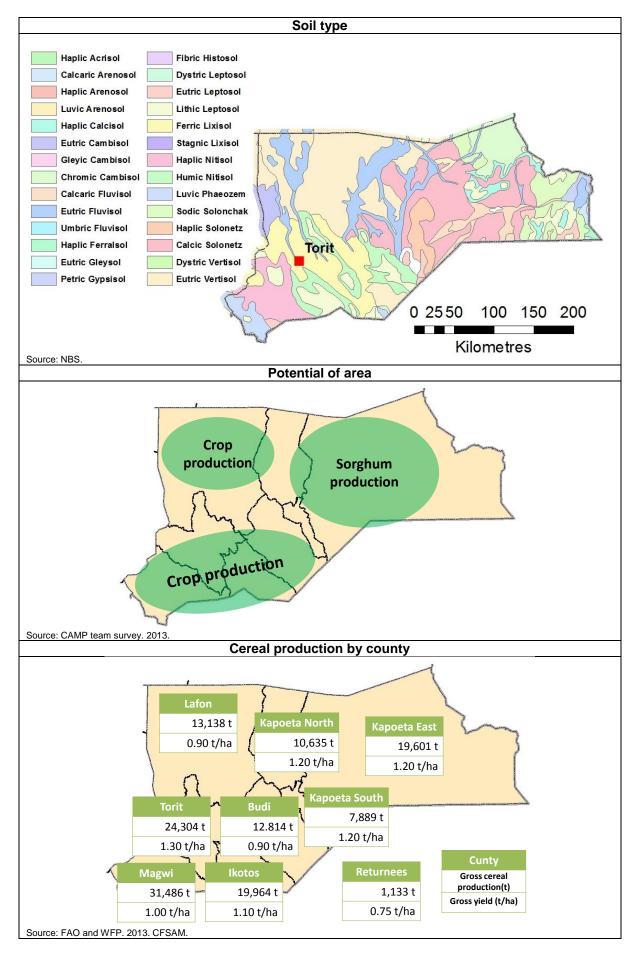
		provided by DP	-	-
Organisation	Activi		Area	Target
FARM Project/USAID	 Seed and cutting groundnut, cassar sesame, millet) Provide training for workers Land preparation the charge will be the project) 	va, bean, or extension support (80% of	Torit, Magwi and Ikotos Counties	Farmers in the pilot areas (FBOs: Farmer-base organisations
Caritas International and SNV (Srpsko narodno vijeće)	 Provide technical Organise famers Provide agricultur Organic farm trair Build a farmers trait Teach nutrition ar 	groups al inputs ning aining centre	Ikotos and other Counties	Farmers in the pilot areas
Catholic Relief Services	 Training extension Provide agricultur farmers 		(Information not available)	Farmers in the pilot areas
	s and NGOs in the state. The a			
(Tractor hiring se	Service	s provided by pr		
 (Information not Agro-dealer) 	Service rvice) t available)	s provided by pr	ivate sector	
 (Information not Agro-dealer) 	Service r vice) t available) alers are available. Th	s provided by pr		
 (Information not Agro-dealer) Some agro-dealer the prices are s 	Service rvice) t available) alers are available. Th hown below: Item	s provided by pr ney provide improv Origin of pro	ivate sector ved seeds, fertilizers	and tools. Some
 (Information not Agro-dealer) Some agro-dea the prices are s Maize seeds (Hyb 	Service rvice) t available) alers are available. Th hown below: Item prid KH600-14E)	s provided by pr ney provide improv Origin of pro Kenya (Fresco)	rivate sector ved seeds, fertilizers pducts Reta	and tools. Some il Price (SSP) 25/kg
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 (Information not Agro-dealer) Some agro-deat the prices are s Maize seeds (Hybrid, ch Sukuma wiki seed Onion seeds(Red Okra (Pusa Sawa 	Service rvice) t available) alers are available. Th hown below: Item orid KH600-14E) emical coating) ds Creole C-5) ni)	s provided by pr ney provide improv Origin of pro Kenya (Fresco) Kenya (Easeed) Kenya (Easeed) Kenya (Easeed/ Kenya (Vegflo)	rivate sector ved seeds, fertilizers pducts Reta	and tools. Some il Price (SSP) 25/k 10/5 k 20/25 25/10 25/10
 (Information not Agro-dealer) Some agro-deat the prices are s Maize seeds (Hybrid, ch Sukuma wiki seed Onion seeds(Red Okra (Pusa Sawa Cabbage seeds (Hybrid, ch 	Service rvice) t available) t available) t available) t available. Th hown below: <u>Item</u> orid KH600-14E) emical coating) ds Creole C-5) ni) Copenhagen market)	s provided by pr ney provide improv Origin of pro Kenya (Fresco) Kenya (Easeed) Kenya (Easeed/ Kenya (Vegflo) East Africa seed	rivate sector ved seeds, fertilizers pducts Reta	and tools. Some il Price (SSP) 25/k 10/5 k 20/25 25/10 25/10 30/50
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 (Information nor Agro-dealer) Some agro-dea the prices are s Maize seeds (Hybrid, ch Sukuma wiki seed Onion seeds(Red Okra (Pusa Sawa Cabbage seeds (f Tomato (Money n Onion (Bombay re Sulban (Insecticid Ogor 40EC (Insection) 	Service rvice) t available) alers are available. Th hown below: Item orid KH600-14E) emical coating) ds Creole C-5) ni) Copenhagen market) maker Tanya) ed)	s provided by pr ney provide improv Origin of pro Kenya (Fresco) Kenya (Easeed) Kenya (Easeed/A Kenya (Vegflo) East Africa seed East Africa seed East Africa seed Kenya (Osho) Kenya (Osho)	ved seeds, fertilizers bducts Reta Naseco) /egflo) 35 (Ease	and tools. Some <u>il Price (SSP)</u> 25/k 10/5 k 20/25 26/10 30/50 30/50 30/50 30/50 35/100 m 15/30 m
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 (Information not Agro-dealer) Some agro-deater Some agro-deater Maize seeds (Hybrid, ch Sukuma wiki seed Onion seeds (Red Okra (Pusa Sawa Cabbage seeds (I Tomato (Money n Onion (Bombay restricted Ogor 40EC (Insect Urea DAP 	Service rvice) t available) alers are available. Th hown below: Item orid KH600-14E) emical coating) ds Creole C-5) ni) Copenhagen market) maker Tanya) ed)	s provided by pr ney provide improvide improvide improvide improvide Origin of provide improvide (Fresco) Kenya (Fresco) Kenya (Fresco) Kenya (Easeed) Kenya (Easeed) Kenya (Easeed) Kenya (Vegflo) East Africa seed East Africa seed East Africa seed Kenya (Osho) Kenya (Osho) USA (packed in U USA (packed in U	ved seeds, fertilizers oducts Reta Naseco) /egflo) 35 (Ease Jganda) Jganda)	and tools. Some <u>il Price (SSP)</u> 25/k 10/5 k 20/25 26/10 30/50 30/50 30/50 30/50 30/50 30/50 30/25 k 30/25 k
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 (Information nor Agro-dealer) Some agro-dea the prices are s Maize seeds (Hybrid, ch Sukuma wiki seed Onion seeds(Red Okra (Pusa Sawa Cabbage seeds ((Tomato (Money n Onion (Bombay re Sulban (Insecticid Ogor 40EC (Insect Urea DAP Hoe 	Service rvice) t available) alers are available. Th hown below: Item orid KH600-14E) emical coating) ds Creole C-5) ni) Copenhagen market) maker Tanya) ed)	s provided by pr ney provide improvide improvide improvide improvide Origin of provide improvide (Fresco) Kenya (Fresco) Kenya (Fresco) Kenya (Easeed) Kenya (Easeed) Kenya (Easeed) Kenya (Vegflo) East Africa seed East Africa seed East Africa seed East Africa seed Kenya (Osho) Kenya (Osho) USA (packed in U USA (packed in U China	ved seeds, fertilizers oducts Reta Naseco) /egflo) 35 (Ease Jganda) Jganda)	and tools. Some <u>il Price (SSP)</u> 25/k 10/5 k 20/25 2ed) 30 (Vegflo)/25 25/10 30/50 30/50 30/50 35/100 m

(Financial institution)

• No financial institutions for farmers are found in the state.

	Agricu	intural products ar	nd the origin (Torit,	April 2013)	
Crop)	Turne	Onimin	(Others)	Turne	Onimin
Item	Type Import	Origin Uganda	Item	Type Import	Origin Uganda
Sorghum	Domestic	EE State	Tomato	Domestic	EE State
	Import	Uganda		Import	Kenya
Maize	Domestic	EE State	Onion	Domestic	-
Maize flour	Import	Uganda	Okra	Import	-
Maize nour	Domestic	ES State	Okia	Domestic	EE State
Millet	Import	Uganda	Jew's mallow	Import	-
	Domestic	-		Domestic	EE State
Cassava	Import	Uganda	Amaranthus	Import	-
	Domestic	Torit, Magwi		Domestic	EE State
Groundnut	Import Domestic	EE State	Cowpea	Import Domestic	- EE State
	Import	Uganda	·	Import	-
Bean	Domestic	EE State	- Eggplant	Domestic	EE State
	Import	-		Import	Uganda
Sesame	Domestic	EE State	Cabbage	Domestic	-
Irich notata	Import	Kenya			
Irish potato	Domestic	-			
ource: CAMP surv			Source: CAMP surve		
i i nis is not a repre 2 EE: Eastern Equ	esentative sample. atoria		*1This is not a repre *2 EES: Eastern Equ		
		larket price (Retai	I price, Torit, April		
		• •		(SSP) (range)	
Item	Uni	Low seas		, , , , , , , , , , , , , , , , , , ,	High season
Maize (Import)	Sack (4			65 - 80	
Cassava flour (Ir			e 130-1	50 - 170	
Sorghum (Impor				60 - 120	,
Villet (Import)	Sack (5	0/ 1		50 - 200	
Tomato (Import)	Box	Dry seaso	on 3	<u>50 - 600</u>) Apr-June
Okra (Domestic)	Piece	Dependin	ig on demand 8 piec	es 3 pieces	Depending on demar
rish potato (Imp	ort) 130 kg	Sep-Jan		00 - 450	
Amaranthus (Do	•	•	available) 10 piec	1 2) (Data not available)
Jew's mallow (D	omestic) Sack	July-Oct		30 - 50	
Eggplant (Dome	stic) Piece	Apr-Oct	4 piec	5 - 3 es 2 pieces	' Nov Mor
Beans (Import)	1 kg	Nov-Jan	4 piec		5 Fab-May
Onion (Import)	1 kg	Jan-May		6 - 8	
ource: CAMP surv	ey team 2013.				
This is not a repres	entative sample.				
		Transportation of	cost (Torit, April, 20	013)	
	Туре		Unit		rency Cost
ransport from L			Truck		Jsh 2,500,000
	Campala to border	knoint	Truck Truck		SP 1,000 SP 150
purce: CAMP surv		νροπι	TUCK		100
his is not a represe					
· ·	· · · · · · · · · · · · · · · · · · ·	Taxes and charge	ges (Torit, April, 20	13)	
/holesaler size					
	Туре		Cost (SSP) (range)		Frequency
			300-700		Annually
Rent Security fee			<u> </u>		Monthly Monthly
Security ree Garbage collecti	on fee		5		Weekly
Profit tax	011100		500-700		Annually
etailer)			000 100		
	Туре		Cost (SSP) (range)		Frequency
			300-700		Annually
_icence			500		Monthly
Rent Security fee			60		Monthly
Licence Rent Security fee Garbage collecti ource: CAMP surv			60 5		Weekly





Cross cutting issues

(Land)

· Land boundary issues between pastoralists and sedentary farmers

(Gender)

• Women take important roles in agricultural production but they are not involved in the decision making process in farming activities.

(Security)

• Cattle raiding and tribal conflicts cause insecurity.

(IDPs and returnees)

• Support for IDPs and returnees is not sufficient to improve their livelihoods.

(HIV)

- The infection rate could be high. No survey has been conducted.
- Sexually transmitted disease education is required to prevent infection.

Opportunities

• Sufficient manpower

Crop

- Vast unutilized land
- Fertile land
- Sufficient rainfall in Greenbelt and Hills and Mountains zones

Challenges

Overall

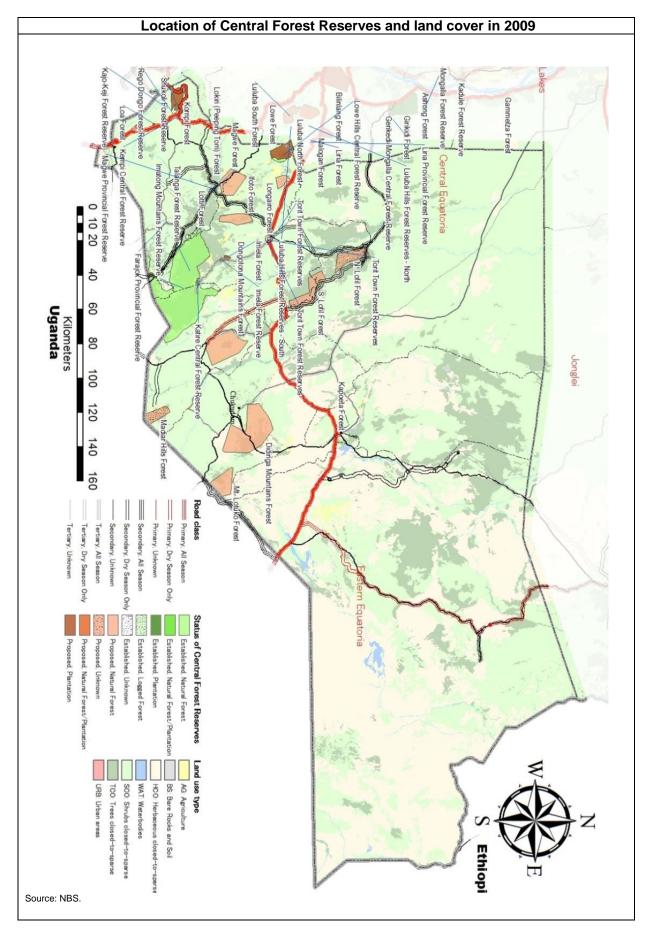
- Feeder roads are not well established.
- Poor access to financial institutions
- High tax rates
- High transport costs
- High labour costs
- Unskilled labour

Crop

- Condition of storage facilities at local level is not adequate to keep agricultural products long term.
- Appropriate agricultural inputs (seeds and tools) are not available for most farmers.
- · Few training opportunities for farmers and extension workers
- Poor means of transport for extension activities
- Insufficient budget for extension work

Project name		10.4 Forestry								
Project name	On-going and proposed projects									
Project name				of on-go						
			Objective	s/activitie			Duratio	า	Annual cost	
UNEP Bur Nursery		commu		•		(Infoi avail	rmation able)	`	formation not ailable)	
Norwegian People's Aid Agro-forestry		Encour	age agro-	forestry p	ractices	(Infoi avail	rmation able)		formation not ailable)	
Source: CAMP team survey. 2013.										
			List o	of propo	sed pro	Diects				
Project name			Objective				Duratior	ו	Annual cost	
Afforestation			p plantati			(Infor availa	mation	not (In	formation not ailable)	
Extension service		Suppor	pport extension system (Informa			· · · · · · · · · · · · · · · · · · ·			formation not	
Agro-forestry		Dissem	ninate sus	tainable la	and use	(Information not (Information not available) available)				
Saw milling		Promote timber production					mation	not (In	formation not ailable)	
Source: CAMP team survey. 2013.										
Country	A.C.		nd cove		-			Total area	Total area (ha)	
	AG 1.6%	TCO 12.0%	SCO 57.0%	HCO 29.3%	URB	BS 0.0%	WAT 0.1%	Total area 100.0%	Total area (ha)	
	5.8%	24.6%	61.6%	29.3% 7.9%		0.0%	U. I /0	100.0%		
Ikotos	0.4%	24.0 <i>%</i> 11.5%	34.1%	53.3%		0.0%	0.6%	100.0%		
		11.070	UT. 1 /0	00.070					3,052,043	
Kapoeta East			38.6%	28 2%		0.3%	0.0%	100 0%	583 174	
Kapoeta East Kapoeta North	3.2%	29.6%	38.6% 23.1%	28.2% 62.0%	0.2%	0.3%	0.0% 0.0%	100.0% 100.0%		
Kapoeta East Kapoeta North Kapoeta South	3.2% 7.0%	29.6% 7.7%	23.1%	62.0%	0.2% 0.0%		0.0%	100.0%	117,721	
Kapoeta East Kapoeta North Kapoeta South Lafon	3.2% 7.0% 0.1%	29.6% 7.7% 8.7%	23.1% 80.1%	62.0% 10.5%	0.0%	0.3% 0.0%	0.0% 0.6%	100.0% 100.0%	117,721 1,624,494	
Kapoeta East Kapoeta North Kapoeta South Lafon Magwi	3.2% 7.0%	29.6% 7.7%	23.1%	62.0%			0.0%	100.0%	117,721 1,624,494 528,696	

Source: FAO. 2011. Land cover atlas of South Sudan. Rome: FAO. Legend: AG=Agriculture, TCO=Tree closed-to-sparse, SCO=Shrubs closed-to-sparse, HCO=Herbaceous closed-to sparse, URB=Urban areas, BS=Bare Rocks and Soil, and WAT=Waterbodies.



10.	10.5 State Ministry of Animal Resources and Fisheries (MARF)								
	0	rganogra	am		Organogram				
					Breakdown of information not fully available				
			D	irectorate of	Section Number of staff				
Minister	Direc	tor General	F	isheries	Director General 1				
			┙╽└	<u> </u>	Director of Veterinary Services 1				
			D	irectorate of Animal	and Livestock Development				
				roduction and	Director of Animal Production 1				
			V	eterinary Services	and Range Management Director of Fisheries 1				
					Director of Marketing 1				
			D	irectorate of	Director of Planning 1				
				lanning, Research,	A/Commissioners 8				
			T	raining and	District veterinary officer 8				
					Livestock production officer 6				
				irectorate of	Range management officer 1 Animal health technician 6				
			IV	arketing	Animal health assistant 3				
				irectorate of	Stock person 1				
				dministration and	Veterinary auxiliary 1				
				inance	Total 40				
Source: State MARF					Source: State MARF.				
	Budge	•							
Category	2012/13	2012/13	2013/14	EES MARE Stra	Strategic plan tegic plan (2012-13)				
Category	Budget	Outturn	Budget	Vision Effic	cient and effective livestock and fisheries service				
Salaries	1,005,201	918,977	1,145,968		very for sustainably development in the State				
Salaries	671,001	-	811,768		ormation not available)				
Conditional salaries	334,200	-	334,200		tainably contribute towards food security and				
Operating	320,620	254,456	320,620		bloyment creation by facilitating and supporting lic and private sector in the animal resources sector				
Operating	235,620	,	235,620		provide institutional capacity to guide, supervise				
costs	235,020	-	233,020		d coordinate all activities in the livestock and				
Conditional	05 000		05 000	-	heries sectors				
operating costs	85,000	-	85,000		develop animal health and protect human again				
Transfers	-	-	-		onosis promote sustainable management of fisheries				
Others	-	8,487	-		sources				
Capital	1,685,701	507,782	751,850		enhance improved livestock production and				
Conditional	1,685,701	_	251,850		oductivity through technology transfer and				
transfer	1,000,701		201,000		stainable use of natural resources				
Other capital expenses	-	-	500,000		promote the integration of livestock and fish arket chain actors into domestic and regional				
		1,689,70			arkets				
Overall total	3,011,522	2	2,218,438	Source: State MARF	(2012) Policy Statement 2012-13.				
Source: State MARF Unit: SSP	•								
			vided by	State MARF a	nd local government				
(Animal produ	uction ser	vices)							
 Technical 	advice ar	id useful i	informatio	n are provided to	livestock keepers including education				
activities f	for cattle rate	aid preve	ntion.						
 Extension 	service is	impleme	ented but r	not fully functiona	al.				
(Animal healt				-					
•		•	and slaug	hter houses/slab	s/arounds				
				ooperation with N					
 Conduct of 									
Conduct									

10.6 Livestock Services provided by national government institutions

Integrated demonstration farm is installed in Kapoeta. It introduces cross-bleeding and ranching practices.

	Services provided by DPs	and NGOs	
Organisation	Activities	Area	Period
FAO	 Provide vaccines and vet. drugs Deliver training to CAHWs Conduct East Coast Fever eradication program Deliver milk handling program to youth with CAHWs 	Torit County	(Information not available)
FARM Africa	 Capacity building for CAHWs Provide veterinary drugs 	Kapoeta South County	Ended September 2013
SNV (Srpsko narodno vijeće), Netherland	 Capacity building for CAHWs Prepare holding grounds at auction yards Provide fencing material for livestock keepers Construct livestock market 	Torit County	
DOT (Diocese of Torit)	 Provide animal health service to livestock keepers Deliver training to CAHWs 	Greater Kapoeta	Ended March 2013

*CAHW: Community Animal Health Worker

Services provided by private sector

(Veterinary services)

- Private veterinarians provide treatments and veterinary drugs.
- Private pharmacies supply veterinary drugs and useful information.

(Livestock product)

Private organisations produce fresh milk (filtered and boiled) and yoghurt.

(Livestock market)

Livestock markets at Torit and Kapoeta South Counties are run by traders union. •

Livestock population										
County	_			Туре						
County	Cattle	Sheep	Goat	Poultry	Donkey	Camel	Pig			
Torit	250,000	175,000	350,000	90,000	25	0	2,500			
Magwi	20,000	80,000	110,000	350,000	0	0	2,400			
Kapoeta South	400,000	380,000	820,000	170,000	340	50	5,200			
Kapoeta North	560,000	450,000	900,000	200,000	450	0	1,500			
Kapoeta East	650,000	760,000	1,400,000	130,000	700	1,000	2,015			
Budi	350,000	250,000	750,000	250,000	300	0	105			
Ikotos	120,000	145,000	320,000	160,000	200	0	0			
Lafon	150,000	160,000	550,000	150,000	0	0	0			
Total	2,500,000	2,400,000	5,200,000	1,500,000	2,015	1,050	13,720			

Statement 2012-2013.

Livestock diseases								
Type of Animal	Туре	e of disease		Outbreak area in last 2 years				
Cattle	Contagious bov East Coast feve septicaemia, Try Brucellosis, Blac	r, Haemorrhagio /panasomiasis, ck quarter	2	East Coast Fever in Torit County Contagious Bovine Pleura Pneumonia in Lafon and Pachiti Counties Black Quarter in Ikotos and Lafon Counties Haemorrhagic Septicaemia in Kapoeta North County				
Sheep and goat	Peste des petits ruminants, Contagious caprine pleuropneumonia, Mange, External and internal parasites, PneumoniaPeste des Petits Ruminants in Kapoeta East Cour Contagious Caprine Pleura Pneumonia in Kapoeta South County							
Poultry	Newcastle disease, Salmonella, Fowl Newcastle Disease in all counties pox Coccidiosis, External and internal parasites							
Camel	Skin diseases, F Trypanasomiasi parasites		internal	There was no	outbreak	in the las	t 2 years.	
Equine	Tetanus, Respir and internal par	asites		There was no				
Canine	Rabies, Respira Genital wounds	-	-	There was no				
Zoonosis	Brucellosis, Tub Hydatid cyst, Ra	abies		There was no				
Pig Source: State	Hydatid cyst, W internal parasite MARF.	s, Respiratory		There was no		the last 2	2 years.	
				health issue	S			
	tock law and regu					.		
• Trans	s-boundary diseas	se (Animai disea		Market	suncient	ly function	ned.)	
Type of	livestock and li	vestock produ		Maikel	M	arket		
Cattle	Investock and in	vestock produc		Kapoeta South			orit Counties	
Sheep ar	nd qoat			Kapoeta South				
Poultry	la goat			Magwi County	i, Euol, No			
Honey				Magwi and Bu	di Countia	c		
	P survey team. 2013.			inagin and bu		3		
	,		Mai	rket price				
	ltem	Unit			Price	(SSP)		
	item	Omit	Low	season			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Bull (big)							High season	
Bull (med Milking co		Head	Dec-A	April	2,200 1,100 999	2,400 2,300 999	High season May-Sept	
Milking co Heifer Goat (ma		Head	Dec-A		1,100	2,300 999 1,100 400 250		
Milking co Heifer Goat (ma Goat (ma Sheep (m Sheep (m	ture male) ture female) ature male) ature female)		Dec-A	April	1,100 999 900 200	2,300 999 1,100 400 250 450 350	May-Sept	
Milking co Heifer Goat (ma Goat (ma Sheep (m Sheep (m Pig (male	ture male) ture female) ature male)	Head	Dec-A	April	1,100 999 900 240 300 240 - 700 -	2,300 999 1,100 400 250 450 350 1000	May-Sept May-Sept	
Milking cc Heifer Goat (ma Goat (ma Sheep (m Sheep (m Pig (male Hen Cock	ture male) ture female) ature male) ature female)	Head Head Head Each	Dec-A Dec-A Dec-A (Data	April April April not available)	1,100 999 900 240 240 240 - 700 - 15 30 -	2,300 999 1,100 400 250 450 350 1000 40 50	May-Sept May-Sept May-Sept May-Sept (Data not available)	
Milking cc Heifer Goat (ma Goat (ma Sheep (m Sheep (m Pig (male Hen Cock Hide	ture male) ture female) ature male) ature female)	Head Head Head Each 1kg	Dec-A Dec-A Dec-A (Data (Data	April April April not available) not available)	1,100 999 200 240 300 240 700 15 30 300 - 5 5	2,300 999 1,100 400 250 450 350 1000 40 50 5	May-Sept May-Sept May-Sept May-Sept (Data not available) (Data not available)	
Milking cc Heifer Goat (ma Goat (ma Sheep (m Sheep (m Pig (male Hen Cock Hide Skin	ture male) ture female) ature male) ature female) or female)	Head Head Head Each 1kg 1kg	Dec-A Dec-A Dec-A (Data (Data (Data	April April not available) not available) not available)	1,100 999 200 240 300 240 - 700 - 15 30 - 5 - 5 - 5 -	2,300 999 1,100 400 250 450 350 1000 40 50 5 5	May-Sept May-Sept May-Sept May-Sept (Data not available) (Data not available) (Data not available)	
Milking cc Heifer Goat (ma Goat (ma Sheep (m Sheep (m Pig (male Hen Cock Hide Skin Meat (bee	ow ture male) ture female) ature male) ature female) or female)	Head Head Head Each 1kg 1kg 1kg	Dec-A Dec-A Dec-A (Data (Data (Data (Data	April April not available) not available) not available) not available)	1,100 999 900 240 - 300 240 - 700 - 15 30 - 30 - 5 - 5 - 24 -	2,300 999 1,100 400 250 450 350 1000 40 50 5 5 30	May-Sept May-Sept May-Sept May-Sept (Data not available) (Data not available) (Data not available) (Data not available)	
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Milking cc Heifer Goat (ma Goat (ma Sheep (m Sheep (m Pig (male Hen Cock Hide Skin Meat (bee Meat (goa Meat (mu Yoghurt	ture male) ture female) ature male) ature female) or female) or female)	Head Head Head Each 1kg 1kg 1kg 1kg	Dec-A Dec-A (Data (Data (Data (Data (Data (Data (Data (Data	April April not available) not available) not available) not available) not available) not available)	1,100 999 900 240 - 300 240 - 700 - 15 - 30 - 5 - 5 - 24 - 27 -	2,300 999 1,100 400 250 450 350 1000 40 50 5 5 5 30 30 30	May-Sept May-Sept May-Sept (Data not available) (Data not available) (Data not available) (Data not available) (Data not available) (Data not available)	
Milking cc Heifer Goat (ma Goat (ma Sheep (m Sheep (m Pig (male Hen Cock Hide Skin Meat (bee Meat (goa Meat (mu Yoghurt Milk (frest camp	bw ture male) ture female) ature male) ature female) or female) ef) ef) at) tton) h) from the cattle	Head Head Each 1kg 1kg 1kg 1kg 1kg 600ml 600ml	Dec-A Dec-A (Data (Data (Data (Data (Data (Data (Data (Data (Data (Data	April April not available) not available) not available) not available) not available) not available) not available) not available)	$\begin{array}{c} 1,100\\999\\900\\240\\240\\-\\300\\240\\-\\700\\-\\15\\30\\-\\5\\-\\240\\-\\27\\-\\24\\-\\27\\-\\24\\-\\27\\-\\24\\-\\3\\-\\24\\-\\27\\-\\24\\-\\24\\-\\27\\-\\24\\-\\27\\-\\24\\-\\24$	2,300 999 1,100 400 250 450 350 1000 40 50 55 5 30 30 30 30 30 2	May-Sept May-Sept May-Sept (Data not available) (Data not available)	
Milking cc <u>Heifer</u> Goat (ma <u>Goat (ma</u> <u>Sheep (m</u> <u>Sheep (m</u> <u>Pig (male</u> <u>Hen</u> <u>Cock</u> <u>Hide</u> <u>Skin</u> <u>Meat (bee</u> <u>Meat (goa</u> <u>Meat (mu</u> <u>Yoghurt</u> <u>Milk (fresl</u> <u>Camp</u>	ture male) ture female) ature male) ature female) or female) or female)	Head Head Head Each 1kg 1kg 1kg 1kg 1kg 1kg	Dec-A Dec-A (Data (Data (Data (Data (Data (Data (Data (Data (Data (Data	April April not available) not available) not available) not available) not available) not available) not available)	$\begin{array}{c} 1,100\\999\\900\\240\\-\\300\\240\\-\\700\\-\\15\\30\\-\\5\\-\\5\\-\\24\\-\\27\\-\\24\\-\\27\\-\\24\\-\\3\\-\\3\\-\\3\\-\\3\\-\\3\\-\\3\\-\\3\\-\\3\\-\\3\\-\\$	2,300 999 1,100 400 250 450 350 1000 40 50 5 5 5 30 30 30 30 30 30	May-Sept May-Sept May-Sept (Data not available) (Data not available)	

		Taxes a	nd charges				
(Taxes and charges paid by traders)							
	Туре		Cost (SSP)				
	county border (pe	r cow)	3	Every tr			
Customs (Nimu			10				
	es at livestock ma	arket	2		ation not available)		
Inspection fee (<u>,</u>	5		ation not available)		
	(per sheep or goat)	1	1	ation not available)		
Slaughtering fe			5	1	ation not available)		
Tax per hide	e (per sheep or go	Dat)	<u> </u>		ation not available) ation not available)		
Tax per skin			2	1	ation not available)		
Source: CAMP survey t	eam. 2013.		I	(intorna			
*This is not a represent	ative sample.						
			and products by I				
	enbelt		d Mountains		astoral		
Type of anima		Type of Animal	Breed	Type of Animal	Breed		
Cattle	Crossbred	Cattle	Local	Cattle	Local		
Sheep	Local	Sheep	Local	Sheep	Local		
Goat	Local,exotic and crossbred	Goat	Local	Goat	Local		
Pig	Exotic	Poultry	Local	Poultry	Local		
Poultry	Local,exotic and crossbred			Camel	Exotic		
Rabit	Local			Donkey	Local		
Livestoc	k products	Livesto	ck products		ck products		
• Egg	-	• Egg	-	• Egg	-		
Meat		Meat		Meat			
Hide and s	skin	Hide and	l skin	Hide and skin			
Milk		• Milk		• Milk			
Source: CAMP surve		took related	facilities and trad	o routoo			
Source: CAMP survey team. 2013. Livestock related facilities and trade routes Slaughter ground To Juba To Juba Slaughter slab Slaughter slab Slaughter slab Slaughter slab Slaughter slab Slaughter slab Slaughter slab Slaughter slab Slaughter slab							
Source: CAMP survey t	eam. 2013.						

Cross-cutting issues (Land) • Land related conflicts in Kidepo valley between Toposa, Didinga, Lotuko, Logir, Lopit and Buya over water sources (Migration) · Seasonal natural resources conflict in dry season within the state (Conflict and insecurity) Border conflict between Thrukana in Kapoeta East (along international border with Kenya) (Gender disparities) • Only widows have right to own the cattle of late husbands. • Widows have the right to sell unproductive cows and bulls but do not have productive cattle. (Drought and floods) • Drought in the north part of the state **Opportunities** Vast unutilised land • • High number of livestock · Cross-border trade creates more livestock products sales and profits. Challenges Lack of drugs, vaccine and equipment Inadequate logistical support and budget · Poor road and livestock related infrastructure · Lack of slaughter houses, slabs, accommodation in counties · Lack of training opportunities for the government officers and farmers Absence of quality assurance/surveillance for drugs, vaccines, equipment and cold chain in ٠ counties • Absence of regulation and acts for livestock