



# Third GF-TADs Regional Roadmap Meeting for Eastern Africa with regard to the FMD, PVS.

By

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#### Introduction

 Livestock contribute significantly to national food security and the welfare of the population in South Sudan both at household and national levels.

 The contribution of livestock to GDP is at (3.015 Billion USD)

#### Livestock density and distribution (maps). Value chain analysis results

SPECIES	POPULATION
Cattle	11,7 Million heads
Sheep	12,1 Million heads
Goat	12,4 Million heads
Poultry	23,582 Heads
Pigs	14,406 Heads
Equine	222,671 Heads

#### ANIMAL HEALTH DELIVERY SERVICES

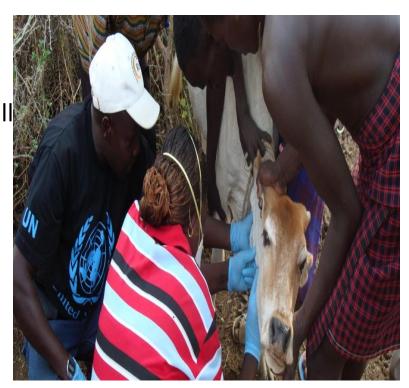
National Veterinary authority supervises all Activities of animal services delivery

NGOs support the government and Filling the gaps in services delivery

CAHW fills the gap in terms of disease surveillance

Private Sector is weak to undertake disease surveillance

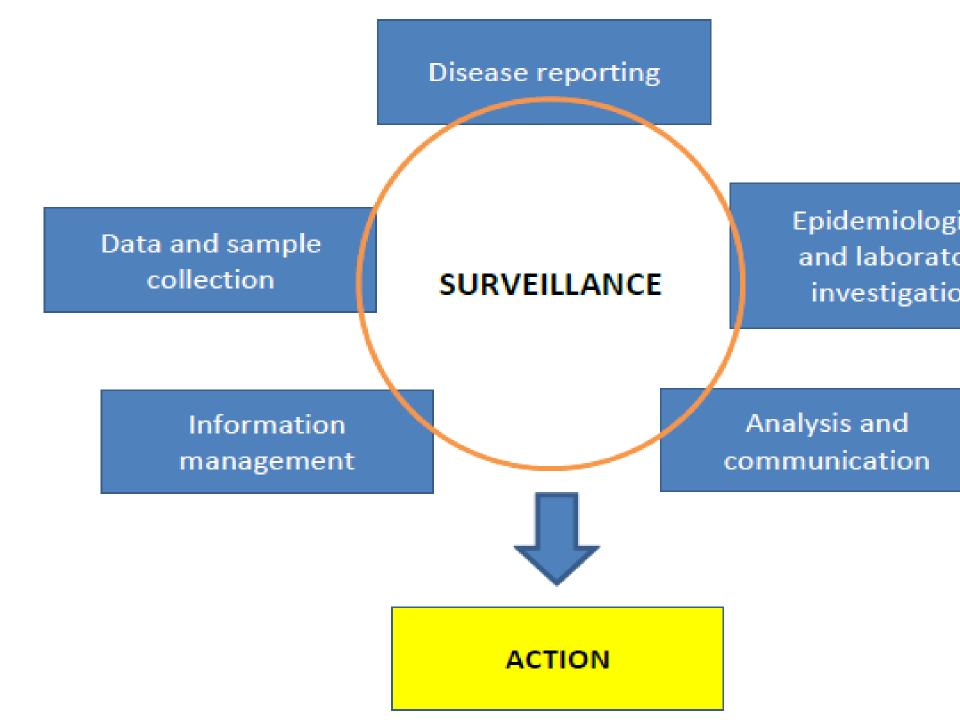
Cost recovery is applied in vaccination programme



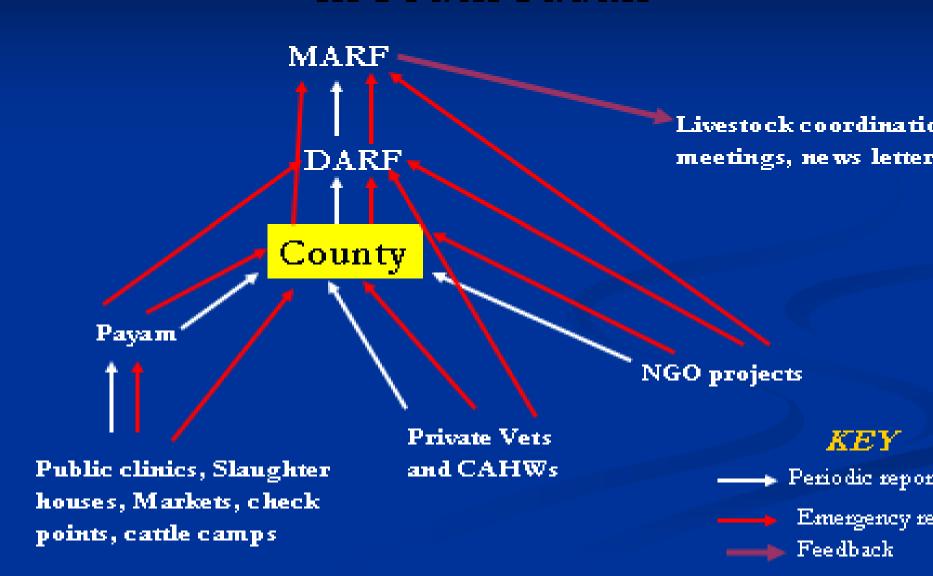
#### Disease surveillance

- All disease outbreak rumors reported and investigated by animal health staff.
- Disease occurrences compiled and reported to the Ministry and OIE is notified





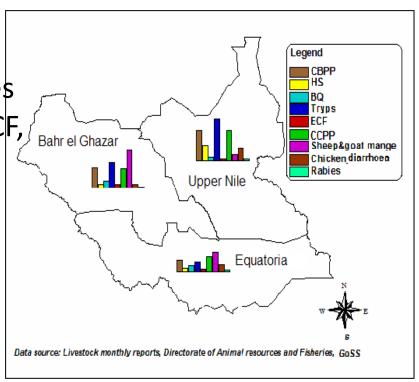
## Organisational information flow in MOSS in South Sudan



### Geographical Distribution of Diseases

The most commonly reported diseases
Are CBPP, RVF, Tryps, CCPP, BQ, HS, ECF,
PPR, Sheep and goat pox in different
parts of South Sudan





### FMD and other TADS outbreaks

Species	Outbreak	No. of outbreak	Response	Reference Lab	Remark
Cattle	FMD	15	Movement restriction	Ambakasi	
Cattle Shoats	RVF	6	Awareness creation	OVI	
Human&dog s	Rabies	4	Dogs vaccination & awareness creation		

### Passive Surveillance in 2016-2017

Jonglei	Disease	Bor	Controlled
	LSD	Duk	On going mission
Unity	HS Trypanosomasis CBPP	Rubkona	Controlled On going mission
Upper Nile	FMD LSD	Melut & Renk	Controlled
Lakes	LSD	Rumbek Centre	Controlled
WBG	LSD	Jur River	Controlled
CES	Anthrax, PPR, Rabies	Juba	On going mission
CES	Rabies	Terekeka	Controlled
	HS PPR		

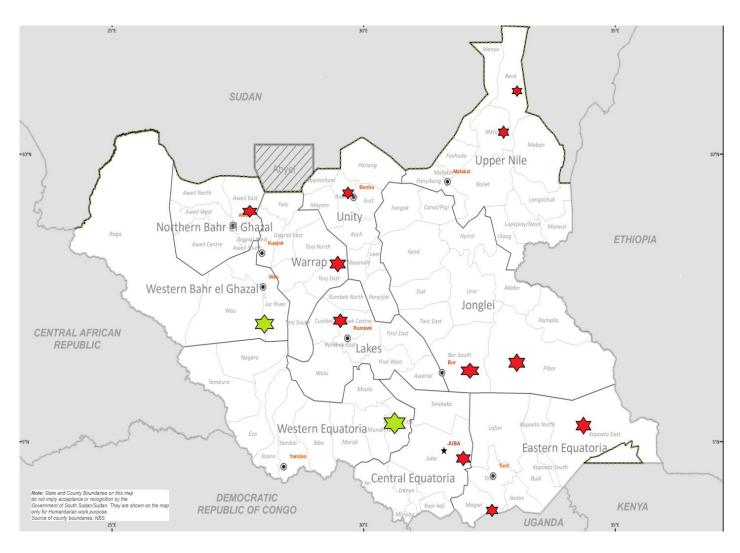
## Cross section survey of major TADs

- Diseases are major constraint to improve livestock production and productivity and trade in livestock in South Sudan
- Priority trans-boundary diseases are FMD,
   PPR, RVF and CBPP

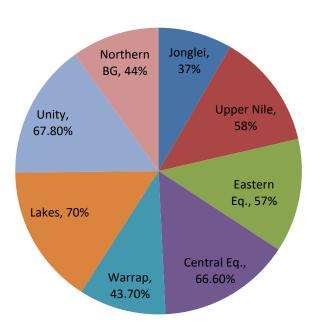
## Result of the survey

Disease	overall sero- prevalence
FMD	55.02 %
CBPP	56 %
PPR	63.60 %
RVF	2.90 %

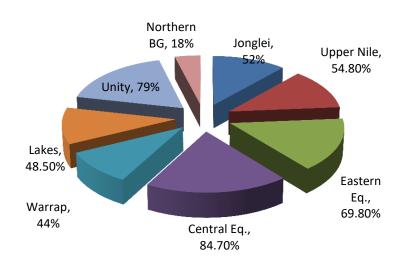
## Map shows areas of samples collection



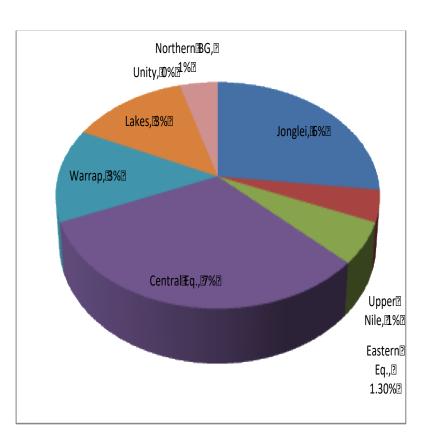
#### **CBPP**



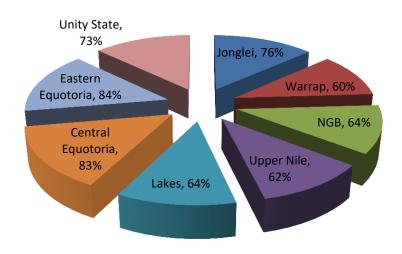
#### **FMD**



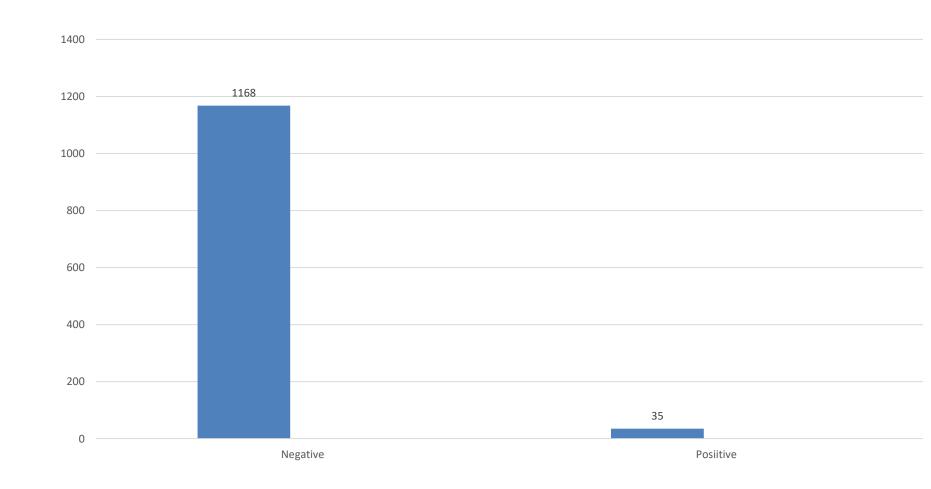
#### **RVF**



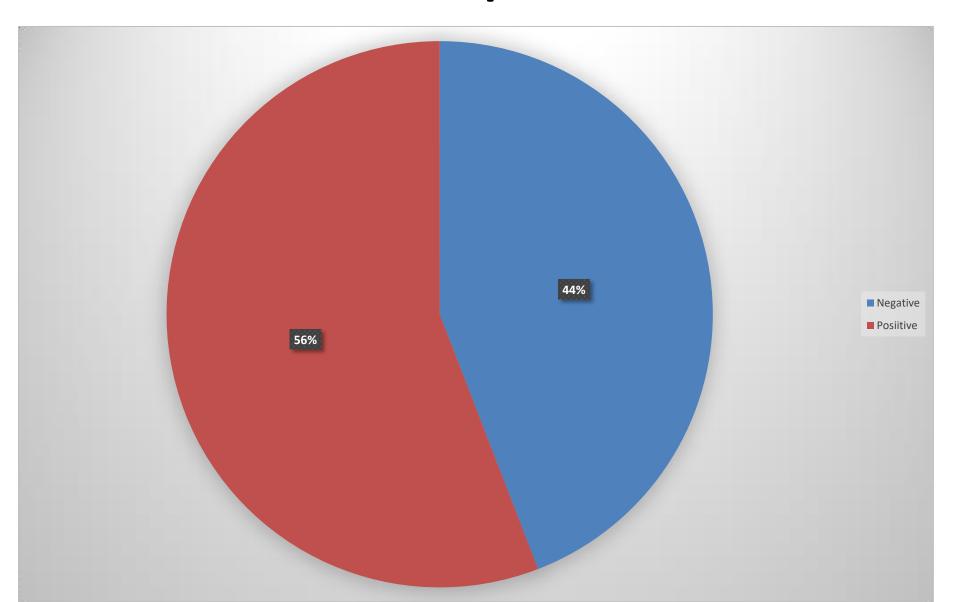
#### **PPR**



## **RVF** overall sero-prevalence

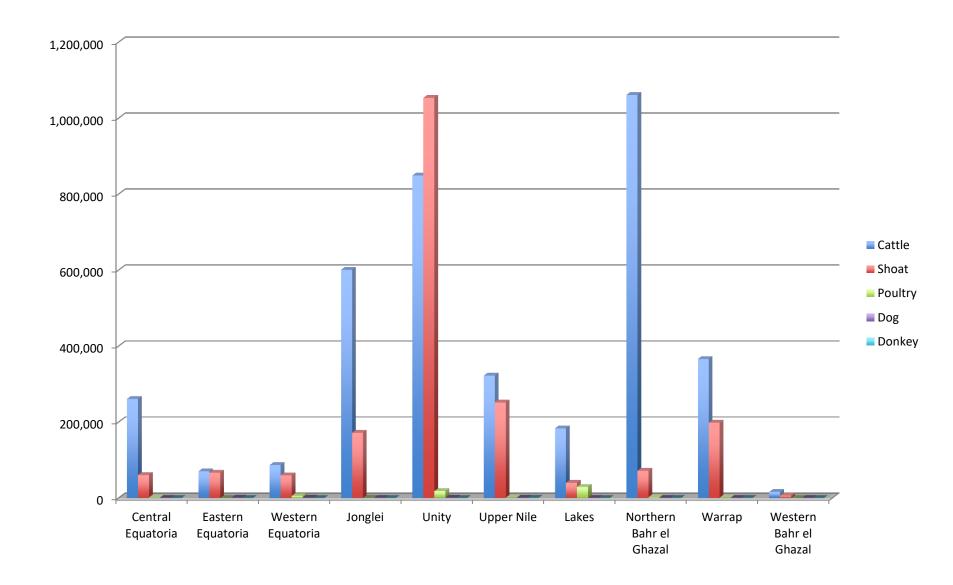


## FMD overall sero-prevalence

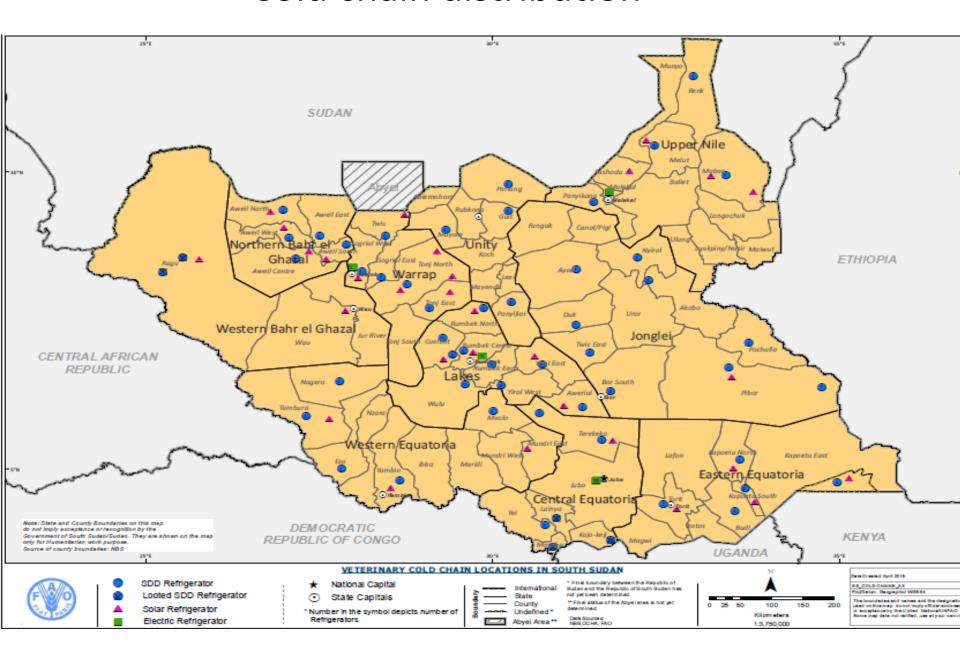


## Vaccination

State	Cattle	Shoat	Poultry	Dog	Donkey
Central Equatoria	260,575	60,450	1,076	64	0
Eastern Equatoria	69,730	65,959	0	236	0
Western Equatoria	86,440	59,380	5,048	343	0
Jonglei	600,490	171,186	194	46	0
Unity	848,734	1,053,093	17,861	465	0
Upper Nile	321,805	251,504	596	267	113
Lakes	183,282	39,853	29,002	15	0
Northern Bahr el Ghazal	1,060,854	71,444	1,830	51	46
Warrap	365,524	197,763	991	80	48
Western Bahr el Ghazal	15,525	6,256	0	80	0
Grand Total	3,812,959	1,976,888	56,598	1,647	207



#### Cold chain distribution



## FMD socio-economic impact study

 The aim of this study was to estimate the socio-economic impact of Foot and Mouth disease (FMD) on individual pastoralists and economy of south Sudan

## Findings of the study

 In herds which implemented vaccinations against FMD, the estimated level of net benefit was USD 1,318 per year.

 But in cattle herds that did not vaccinate, the estimated loss was approximately USD 1,437 per year.

## Findings of the study

- The estimated national impact of FMD on south Sudan's economy was USD 164 million per year
- The strategy with minimal costs for FMD control in the pastoral systems, the estimated total cost to the nation would only be USD
   14.4 million per year.

## Challenges for FMD strategy implementation

 Social and cultural beliefs and the value society have attached to livestock may hamper any disease control effort.

 Inadequate Veterinary services delivery system

## Activities to strengthen the veterinary services

Critical competencies relevant to PCP-FMD Stage 1	Score required	Current score (OIE evaluation or self- evaluation)	Comments (if any)
I.2.A. Professional competencies of veterinarians	3	4	
I.3. Continuing education	3	3	
I.6.B. External coordination	3	4	
II.3 Risk analysis	3	2	
III.1 Communications			
III.2 Consultation with stakeholders	3	3	
IV 1 Proparation of	2	2	

## Synergies to control other TADs

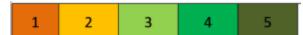
FMD Activity	Control other diseases
Awareness & training on FMD control	Awareness raising & improve capacity of veterinary services providers to a control other diseases
Refresher training on sample collection and handling.	Improved capacity of national and local institutions to effectively control other diseases in South Sudan
Training of enumerators to carry out household survey (impact assessment)	Improve capacity of surveillance of to effectively
Provide technical support to the Epidemiological and lab-Units	Improve effectiveness of Veterinary services to control other TADS
National consultative meetings with stakeholders	
Training on sample and epidemiology data collect	Improve capacity of national surveillance to effectively control other TADS.

## Gaps and request for support

GAPS	Support Needed
Inadequate qualified human resources in disease surveillance and control	Building capacity of animal health services providers in surveillance, laboratory and disease control.
Lack of supportive policies, legislations and lows in diseases surveillance and control	support in development of policy ,strategic plan and regulations.
Inadequate surveillance and laboratory Equipment, laboratory Kits and reagents	Support in provision of required surveillance GIS, surveillance and laboratory Equipment, laboratory Kits and reagents.
Lack of public awareness on importance of FMD and other TADs	Conduct awareness creation campaigns on FMD and other TADS.

## Provisional PCP-FMD Roadmap for {South Sudan} 2017-2025

Country	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Estimation in 2012	1	1	1	1	2	2	3	3	4	4	4	5	5	5
Estimation in 2017	2													



## The way forward

- Efficient strategy for control of FMD required
- strong political will,
- effective national veterinary services,
- williness of private sector to facilitate and systematic mass vaccination campaigns of the susceptible herds.

