

# INTERNATIONAL PROFILE OF SMALL SCALE FARMERS

- ◉ United Nations Declared 2014 International Year of Family Farming
- ◉ In line with the International Year of Family Farming (IYFF), the theme for the 2014 World Food Day celebrations was "Family Farming: Feeding the world, caring for the earth" .
- ◉ This theme has been chosen for 2014 World Food Day so to raise the profile of family farming and smallholder farmers

# EMPOWERING THE SMALLHOLDER FARMER TO BE MARKET SAVVY

- ◉ In Africa, smallholder farmers contribute over 80 percent of food and agricultural production on the continent and much of the world's food supply-
- ◉ Big companies like like Uniliver, Nestle and Guinness all share the view that the livelihood of smallholders is critical to the commercial; expansion of giant food retailers- by Emmanuel Amponsah in Ghanaian Times, Monday, 23<sup>rd</sup> March 2015

(SUB-SECTOR : SHARE IN SECTOR EXPENDITURE RELATIVE TO CONTRIBUTION TO AGGDP - 2006-2011)

a	b	c	d=b:c
Sub-sector	Share in Agricultural Sector Expenditure (2006-2011)	Average Contribution to AgGDP (2006-2011)	Share in expenditure relative to contribution to AgGDP
Non-cocoa crops	58.5	62.0	0.9:1
Cocoa	31.2	10.0	3.1:1
Livestock	2.7	8.0	0.3:1
Fisheries	1.2	8.0	0.2:1
Forestry	6.3	12.0	0.5:1
Total	99.9	100.0	
Source: MOFA 2013			

# MAJOR FARM ANIMAL SPECIES IN GHANA

Species	Major Breeds/type
Cattle	West African Short Horn,N'dama, white Fulani.Frisian Sanga Crosses
Sheep	Djallonke,Sahelian,Djallonke-Sahelian Crosses,West Africa Dwarf
Goats	Djallonke,Sahelian,Djallonke-Sahelian,West African Dwarf
Pigs	Ashanti black,Large White,landrace,crosses
Poultry	Hisex Briwn,ISA briwn,Lohmann Briwn,Lohmann White,Bovan Cobb 500
Rabbits	
Snails	
Grasccutters	
Source: Veterinary Services-2012	

# PERCENTAGE OF HOUSE HOLDS KEEPING FARM ANIMALS IN GHANA

Type of farm Animal	Percentage of Households keeping ,%
Chicken	30
Goats	18
Sheep	11
Cattle	4
Duck,turkey,Guinea Fowl	4
Pigs,rabbits and grasscutters	23
Total households keeping livestock(farm animals)	60.5
Source:5 <sup>th</sup> Round Ghana Living Standards,GSS-2008	

## FACTORS OF TRENDS IN GHANA COMMERCIAL POULTRY SECTOR

Parameter/factors	Period	Period
	1960-1999	2000-present
No. of Feed mills	30	14
No. of poultry hatcheries	28	10
No. of large scale processing plants	7	3
No. of large scale commercial farms	20	5
Management training for poultry farmers	YES	NO
Number of NGOs operating In Poultry Sector	12	3

# FLOCK SIZE AND TYPE BIRDS IN COMMERCIAL POULTRY

	Number of Farmers		
Flock size	layers	Broilers	Cockerels
100-600	52(46%)	36(85%)	38(78%)
601-6000	55(50%)	7(15%)	10(20%)
6001-10,000,above	5(4%)	0(0%)	1(2%)

Source:Veterinary Services Directorate,2010

# LARGE VERSE SMALL SCALE FARMS

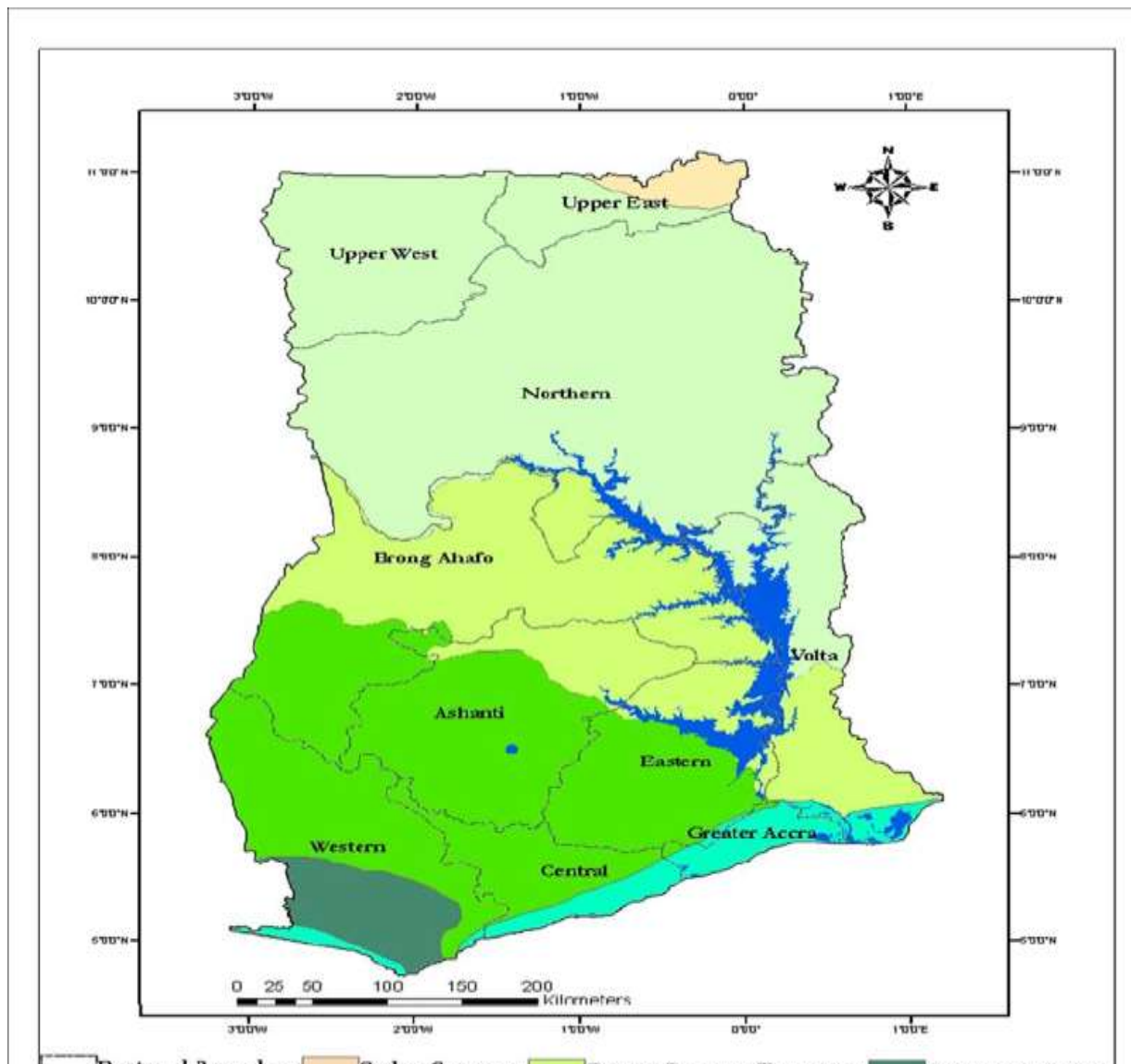
- ◉ Branam cattle ranch-Brong Ahafo Region
- ◉ Wulugu cattle ranch-Northern Region
- ◉ Aveyime cattle ranch-Volta Region
- ◉ Podmaze Poultry Farm
- ◉ Glamour Poultry Farm
- ◉ Farm Vivian
- ◉ Afariwa Farms



# TYPE OF PRODUCTION SYSTEMS FOR FARM ANIMALS

Species	Type of Production system	Proportion of land mass the system covers,(sq.km)	Agroecological Zone
Cattle	Extensive/ sedentary	238.53	All the five (5) Agroecological Zones
	Zero grazing	GAR,ER	Coastal Savanna and Transition
Sheep/Goats	Extensive	238.53	All the five (5) Agroecological Zones
	Zero grazing	Urban areas	All the five (5) Agro-ecological Zones
Pigs, indigenous	Extensive	98.02	Sudan Savanna and Guinea Savanna
Pigs Exotic	Intensive commercial	120.26	Coastal Savanna, Transition and Rainforest/Deciduous
Poultry, layer, broiler	Intensive small scale commercial	120.02	Coastal Savanna, Transition and Rainforest/Deciduous
Poultry, layer, broiler	Intensive large scale commercial	120.02	Coastal Savanna, Transition and Rainforest/Deciduous
Poultry,			All the five (5)

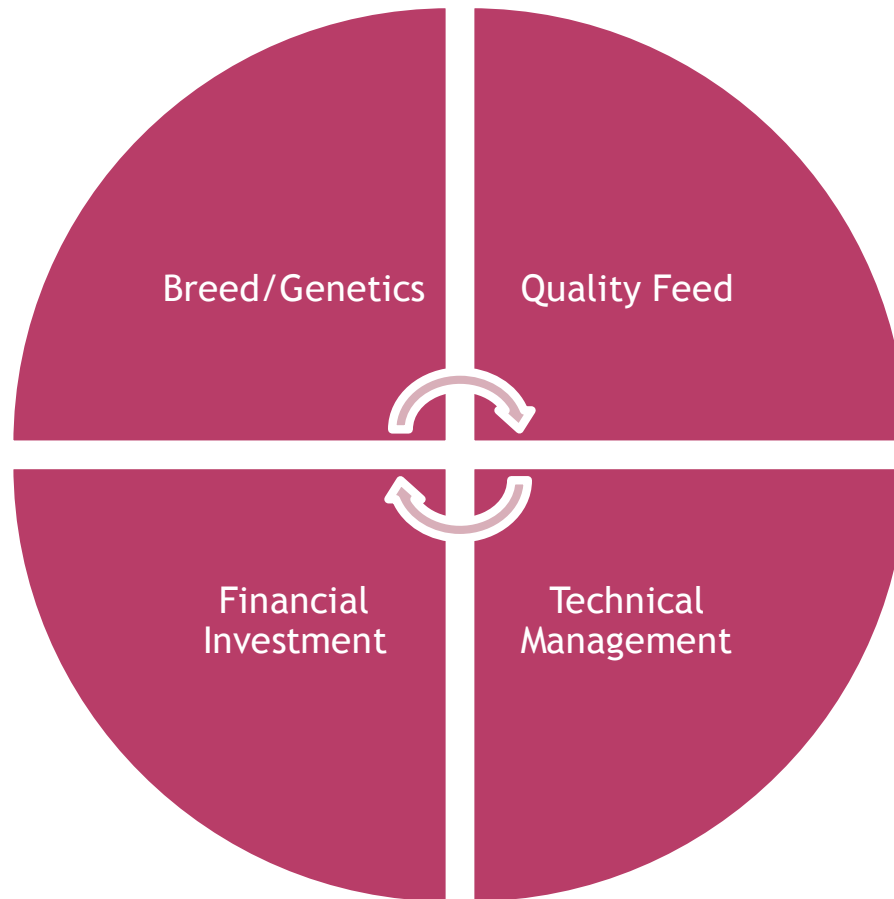
# GHANA-AGROECOLOGICAL MAP



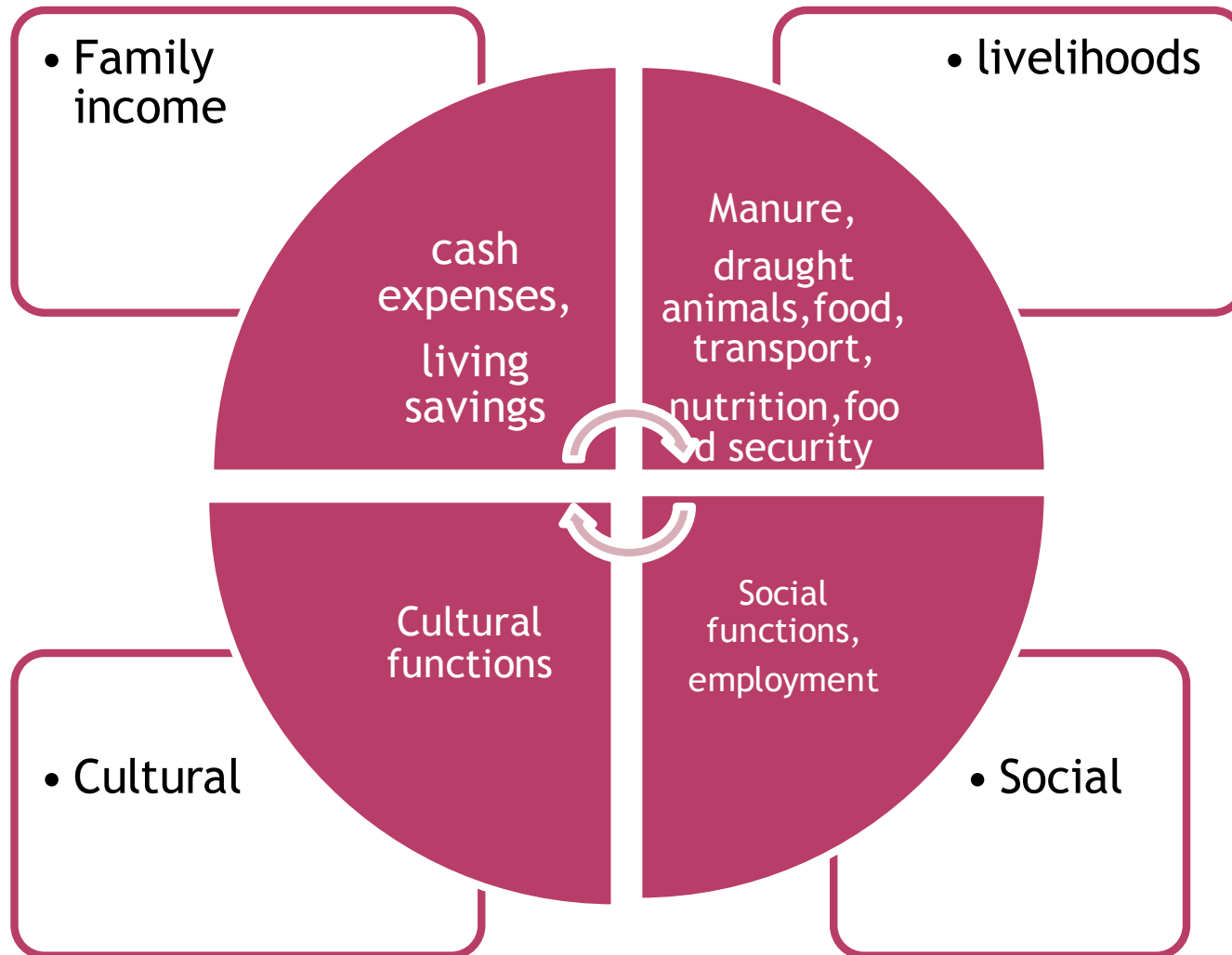
# BREEDING OF FARM ANIMALS

- ◉ Livestock breeding by smallholder farmers: primarily natural/pasture system of mating
- ◉ males for mating are generally the “good” ones as judged by the farmer’s own subjective (visual) appraisal.
- ◉ Some farmers may procure male animals from the Government breeding stations or from other farmers or university farms.
- ◉ Natural mating has its own pitfalls, not least including the possibility of inbreeding and the fact that the most aggressive but not necessarily the most fertile male may monopolize the females.
- ◉ No practical artificial insemination for farm animal

# THE FOUR BASIC PRINCIPLES OF FARM ANIMALS PRODUCTION



# BENEFITS OF FARM ANIMALS



# FARMING SYSTEMS FOR FARM ANIMALS

<b>Ecological Zone</b>	<b>Farming System</b>		
	<b>Cropping</b>	<b>Livestock</b>	<b>Crop – livestock</b>
Sudan	5	5	90
Guinea	16.8	1.8	81.5
Derived	38	0	62
Forest	28	8	64
Coastal	21	9	70
National	21.8	4.7	73.8

Source: MoFA (2008)

# FREE RANGE PIGS: ACCRA





# CATTLE AT AVUKOPE, AFRAM PLAINS BY VOLTA LAKE





# WOMAN CARING FOR SHEEP



# SHEEP GRAZING ,AFRAM PLAINS- FORIFORI





# INSPECTION OF GOATS-FORIFORI- AFRAM PLAINS



# BENEFITS FROM FARM ANIMALS

- Primarily a source of livelihood to farmers and their families providing meat, milk, hides and cash.
  - In the Sudan Savannah Zone 67.0% of the households obtain between 51 to 100% of their incomes from livestock while in the Coastal Savannah, Guinea Savannah, Derived Savannah and Forest zones the households obtaining between 91 to 100% of their incomes from livestock were 19.5, 23.2, 31.0 and 34.3% respectively (Oppong-Anane, 2010).
  - In the Northern Sector of Ghana as elsewhere they may be considered as emergency savings to be sold for money to take care of family needs like children's school fees, dowry or funeral expenses.
- Help in the performance of social functions.

# FENCING USING FISHING NETS





# WOMAN POULTRY FARMER



# LIVE FENCING FOR POULTRY





# RURAL POULTRY: CHICKENS AND GOATS





## DISEASES OF FARM ANIMALS IN WEST AFRICA

Name of disease	Species	Control method	Spread in West Africa
Anthrax	Cattle, sheep, goats	Vaccination, Movement control	Yes
Bovine Tuberculosis	Cattle, sheep and goats	Test and slaughter	Yes
Brucellosis	Cattle, sheep, goats,	Vaccination	Yes
African Swine Fever	Pigs	Biosecurity	Yes
Newcastle disease	poultry	Vaccination	Yes
Peste des petits ruminants	Sheep, goats	Vaccination	Yes

# DISEASE CONTROL IN FARM ANIMALS

- ◉ Vaccination
- ◉ Biosecurity
- ◉ Livestock movement
- ◉ Slaughter house
- ◉ Quarantine

# BIOSECURITY ON A SMALL SCALE FARM



# MARKETING OF EGGS: AT AKYEMFORI FARM



# WEIGHING OF EGGS AT REV ATTIMU FARM, HO





# PULLETS AT WILLIAM AMEGA FARM, AFLAO



# BROODING OF DOC



## STRATEGIES TO IMPROVE FARM ANIMALS FOR SMALL SCALE FARMERS

- ◉ Legislation and policy

Pro-poor livestock policy of the FAO-Extrapolate

The Comprehensive African Agricultural Development Programme, CAADP, targets agricultural growth at least 6% per annum and African governments are urged to raise budgetary allocation to agriculture to at least 10% of national budgets (METASIP, 2010)

- ◉ Farmer organizations such the Ghana National Association of Poultry Farmers, similar organizations for cattle, sheep, goats

More than 80% of the milk output in Kenya is produced by approximately 800,000 small scale dairy farmers (Sere, 2010)



## STRATEGIES TO IMPROVE FARM ANIMALS FOR SMALL SCALE FARMERS

### ◉ Improve feed resources

Further refinement in the use and other emerging feedstuffs such as wheat bran, rice bran, palm kernel cake, cassava peels, cassava for poultry, cocoa pod husk, groundnut cake, copra cake, seaweeds

### ◉ Research /Extension(e-agriculture)

The Ministry of Food and Agriculture supported by the West Africa Agriculture Productivity Project(WAAP) is implementing the e-agriculture as one major tools in agricultural extension

# END OF PRESENTATION

- THANKS FOR YOUR  
ATTENTION

