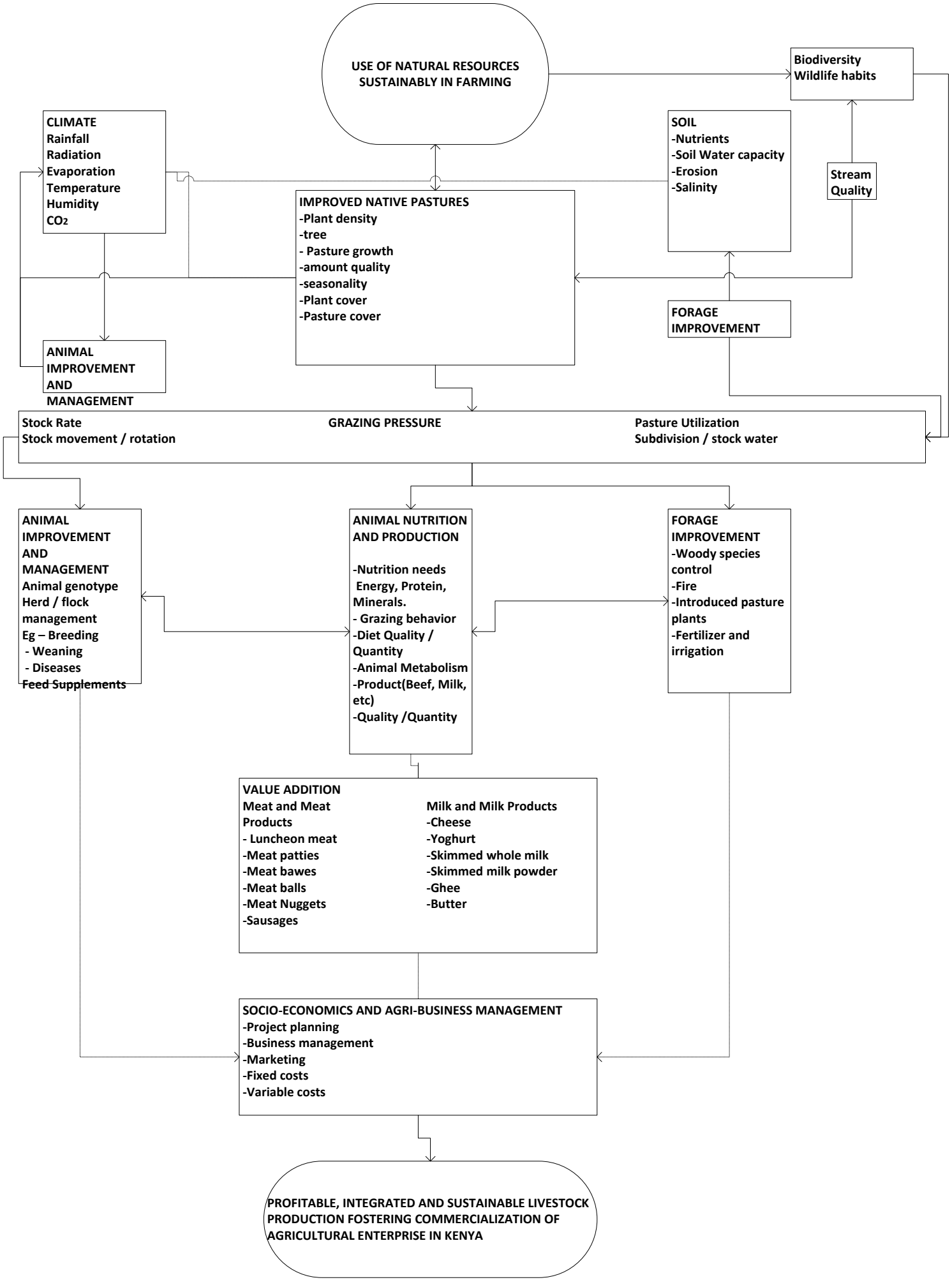
USE OF NATURAL RESOURCES SUSTAINABLY IN FARMING
Biodiversity
Wildlife habits
CLIMATE
Rainfall
Radiation
Evaporation
Temperature
Humidity
CO2
SOIL
-Nutrients
-Soil Water capacity
-Erosion
-Salinity
Stream Quality
IMPROVED NATIVE PASTURES
-Plant density
-tree
- Pasture growth
-amount quality
-seasonality
-Plant cover
-Pasture cover
FORAGE IMPROVEMENT
ANIMAL IMPROVEMENT AND MANAGEMENT
Stock Rate
Stock movement / rotation
GRAZING PRESSURE
Pasture Utilization
Subdivision / stock water
ANIMAL IMPROVEMENT AND MANAGEMENT
Animal genotype
Herd / flock management
Eg – Breeding
- Weaning
- Diseases
Feed Supplements
ANIMAL NUTRITION AND PRODUCTION
-Nutrition needs
Energy, Protein, Minerals.
- Grazing behavior
-Diet Quality / Quantity
-Animal Metabolism
-Product(Beef, Milk, etc)
-Quality /Quantity
FORAGE IMPROVEMENT
-Woody species control
-Fire
-Introduced pasture plants
-Fertilizer and irrigation
VALUE ADDITION
Meat and Meat Products
- Luncheon meat
-Meat patties
-Meat bawes
-Meat balls
-Meat Nuggets
-Sausages
Milk and Milk Products
-Cheese
-Yoghurt
-Skimmed whole milk
-Skimmed milk powder
-Ghee
-Butter
SOCIO-ECONOMICS AND AGRI-BUSINESS MANAGEMENT
-Project planning
-Business management
-Marketing
-Fixed costs
-Variable costs
PROFITABLE, INTEGRATED AND SUSTAINABLE LIVESTOCK PRODUCTION FOSTERING COMMERCIALIZATION OF AGRICULTURAL ENTERPRISE IN KENYA