

Strengthening Preparedness, Prevention and Control Against HPAI and Other Priority Livestock Diseases in Africa An Integrated Approach

Samuel Wakhusama (PhD)

Nairobi, Kenya

8 July 2008



USAID
FROM THE AMERICAN PEOPLE

Animal Health's Contribution to Livelihood in Africa

- **Animal Diseases create barriers to livestock productivity and agricultural development**
 - Decrease access to markets and trade and institutionalize poverty
 - Threaten food security and livelihoods
- **Sub-Saharan Africa: annual economic losses from animal diseases estimated to be >US\$4B**
 - Direct and indirect losses from mortality, slow growth, low fertility, decreased work output, etc.



USAID
FROM THE AMERICAN PEOPLE

OVERALL USAID AI STRATEGY

Objectives:

- Prevent and contain H5N1 outbreaks in animals and humans
- Prepare for a human influenza pandemic



USAID
FROM THE AMERICAN PEOPLE

Key Principles:

- Follow technical recommendations of WHO, FAO, OIE
- Support prevention and containment of animal and human outbreaks
- Use existing platforms (where available), including at regional and community level
- Work closely with other partners/donors



USAID
FROM THE AMERICAN PEOPLE

Focus Areas:

- Preparedness/planning
- Early detection, reporting and surveillance
- Response and containment
- Crosscutting activities: communications and information management



USAID
FROM THE AMERICAN PEOPLE

Priority Activities for Enhancing Animal Health Systems in Africa

**Information
Management Systems**

**Early Detection,
Surveillance and Reporting
of Priority Livestock
Infectious Disease Threats**

**Effective and Efficient
Disease
Prevention and Control**

Strengthen Private and Public Partnerships



USAID
FROM THE AMERICAN PEOPLE

Africa AI/Animal Health Program Results Achieved 2007--2008

- **Training/Workshops**
 - Surveillance (Epidemiology and Laboratory)
 - Biosecurity
 - Outbreak Response and Investigation
- **Table-top, Simulation Exercises to Test /Improve Operational Plans**
- **Provision of Materials for Safe and Effective Response with Training**
- **Risk Behavior Research with Communication Messages Developed and Tested**
- **Avian Influenza Partner Meetings in West, Eastern and Southern Africa**



USAID
FROM THE AMERICAN PEOPLE

Africa AI/Animal Health Program Results Achieved 2007--2008

- **Development and Piloting of AfricaAI.Net Website**
- **Survey Assessment of Regional and National African Livestock Institutions**
- **African animal health information systems assessment completed with plan developed to provide comprehensive capability for field data collection and reporting:**
 - **Central data depository**
 - **Connectivity between regional district offices and headquarters**
 - **Field data collection using handheld devices**



USAID
FROM THE AMERICAN PEOPLE

Planned /Ongoing Activities and Expected Results 2008-09

- **Mapping and Risk Analysis for Targeted Surveillance and Interventions**
- **Strengthening private sector networks and participation**
- **Development, production and improved access to vaccines to prevent and control priority diseases**
- **Evaluation of options for implementation of feasible and sustainable sub-regional laboratory networks**
- **Strengthening information systems to maximize usefulness of surveillance and disease reporting**



USAID
FROM THE AMERICAN PEOPLE

Regional Coordinating Mechanisms

- **African Union**
 - Department of Regional Environment and Agriculture
 - AU Inter-Africa Bureau for Animal Resources
- **Alive –(African Livestock)**
- **FAO/OIE/AU-IBAR regional animal health centers in Bamako, Nairobi, Gabarone, and Tunis**
- **COMESA, EAC, ECOWAS, SADC, etc.**
- **Inter-Governmental Authority on Development**



USAID
FROM THE AMERICAN PEOPLE

A Shared Vision for Animal Agriculture Development in Africa

- **Common Goals and Objectives to Existing Initiatives e.g., CAADP (RELPA)**
- **Strengthening regional/sub-regional platforms linked to national capacity building**
- **Integrated disease approach**
- **Improving animal health systems will lead to:**
 - Improved public health
 - Increased livestock production and poverty reduction
 - Increased access to markets
 - Improved herd management before, during and after crises such as disease outbreaks and drought



USAID
FROM THE AMERICAN PEOPLE

Priority Diseases to Address

- **Poultry**
 - *Avian Influenza, Newcastle Disease, Gumboro's Disease
- **Domestic ruminants & Wildlife**
 - *Rift Valley, PPR, *Bovine TB, East Coast Fever, CBPP, CCPP, FMD, *Brucellosis, *Trypanosomiasis, *Anthrax, * Rabies
- **Pigs**
 - African Swine Fever

* Zoonotic Diseases



USAID
FROM THE AMERICAN PEOPLE

Examples of Measurable Impact from Infectious Diseases

- **RVF: Over 100 human deaths, huge livestock losses with abortions, 150 \$M loss in export trade**
- **PPR: Emerging disease in Kenya, Uganda, endemic in Somalia**
 - Kenya, 8 districts, of 20 M, 7M livestock affected, mortality about 46%
 - Uganda, 10 districts, 2.2 M of 8.3 M sheep and goats affected, up to 17% mortality
 - Tanzania may serve as a buffer zone or increase risk of spread into Southern Africa
- **Avian Influenza outbreak scare in 2005 resulted in estimated KES 2.3 billion (33M US\$) loss in Kenya**



USAID
FROM THE AMERICAN PEOPLE

Summary

- **Animal Health is an Essential Component African Development Through Strengthening:**
 - Capacity to Address Public Health Threats
 - Food Security and Improve Nutrition
 - Opportunities for economic growth and trade
- **People in Africa are largely dependent on Livestock for daily nutrition and cash needs**



USAID
FROM THE AMERICAN PEOPLE

THANK YOU!

