



AFRICAN UNION  
**INTERAFRICAN BUREAU  
FOR ANIMAL RESOURCES**

# **REGIONAL STRATEGY FOR THE CONTROL OF AFRICAN SWINE FEVER IN AFRICA**

**Prof. Ahmed Elsayalhy, Director of AU-IBAR; Dr. Hiver Boussini, Animal Health Officer; Prof. James Wabacha, Animal Health Expert**

**African swine fever: an unprecedented global threat- a challenge to food security, wildlife management**

**Call for Actions**

**Webinar, Food and Agriculture Organization of the UN**

**26-30 October 2020**



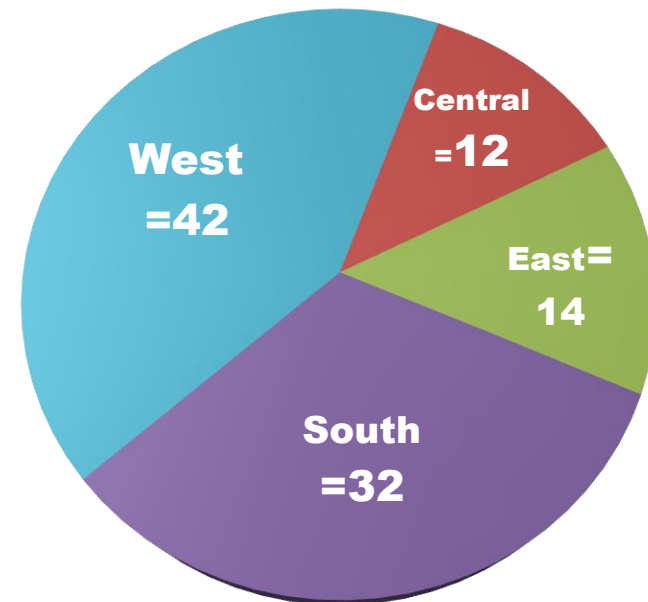
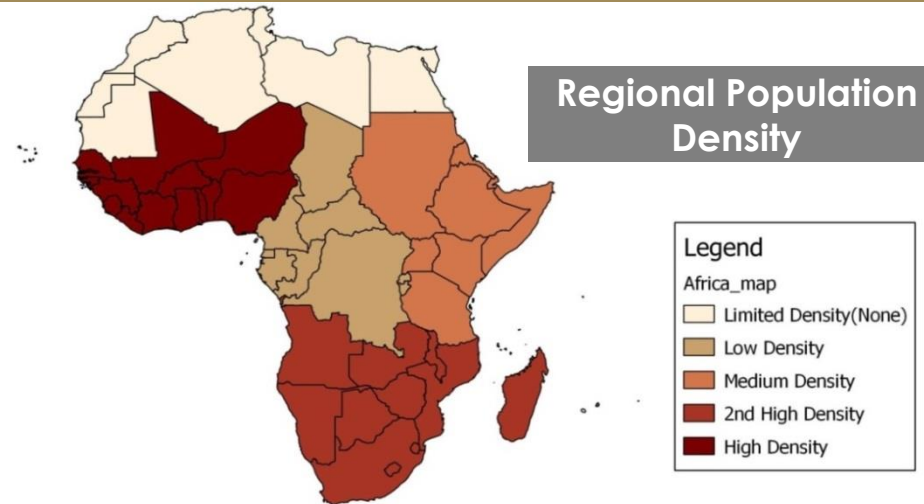
# Outline

- **Background**
- **The Pig Sector – importance & challenges**
- **ASF Epidemiology**
- **ASF Control Strategy in Africa**
- **Action Plan**
- **Next Steps/Call for action**



# The Pig Sector in Africa

- **Important source of food and nutritional security,**
- **32.2 million heads**
- **Significant growth in the pig population in South, East and Western Africa regions over the past decade**





# The Pig Sector...

- **Consumption of roasted or grilled meat becoming popular in many African countries**
- **2.6 million tons of pork produced in 2011**
- **Nigeria, South Africa and Uganda bulk producers**





# The Pig Sector...

- Much of the pork produced under the extensive system
- Predominantly small-scale scavenging production (extensive) system
- Characterized by minimum investment (inputs, housing)





# Challenges of the Pig Sector

- **Challenges are related to genetics, feeding, health, husbandry practices**
- **Local breeds are characterized by low growth rate, performance and small litter size**
- **Husbandry largely depends on low quality feed such as household wastes**







# Challenges....

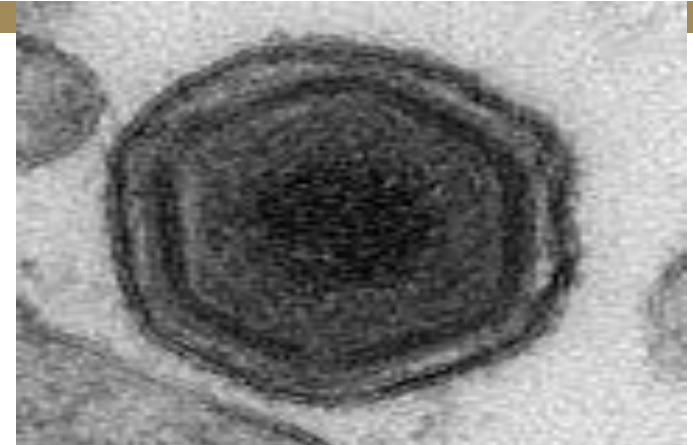
- Diseases such as **ASF**, SVD, FMD, parasitosis lower productivity of the sector





# ASF Epidemiology

- **ASF is a priority pig disease, with epidemics characterized by high mortality and case fatality rates, often up to 100 percent,**
- **The transmission and maintenance of ASFV can occur in a sylvatic cycle and/or in a domestic cycle,**
- **Soft tick species of genus *Ornithodoros* can be involved as vectors**



**Electron Micrograph of ASFV particle**



*Ornithodoros talaje*. Female, dorsal view.

*Ornithodoros talaje*. Femelle en vue dorsale



Skin lesion showing reddening of the ears.

Lésions cutanées montrant une rougeur des oreilles.





# ...Epidemiology

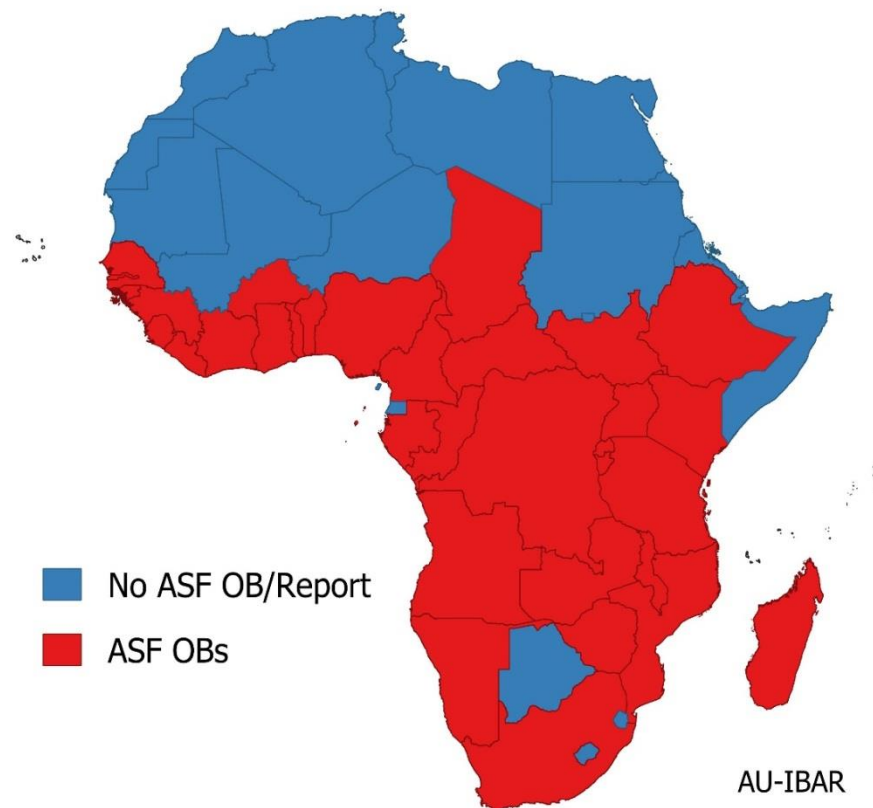
- **ASF outbreaks in domestic pigs do not usually involve wild life,**
- **Movement of live animals, pork and other pig products play significant role in spread of virus among domestic pigs,**
- **The epidemiology and dynamics of ASF and the role of wildlife in the spread not fully understood**





## ...Epidemiology

- **ASF is endemic in all regions of Africa, except in the North**
- **Map indicates the situation of ASF disease in African MSs**

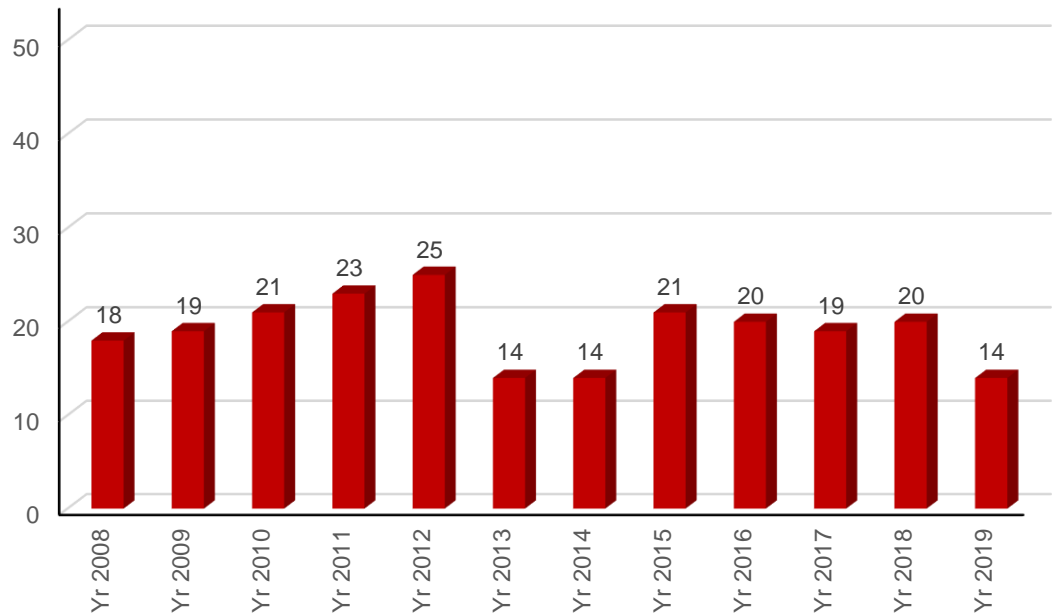




# ...Epidemiology

- Large number of MS report ASF every year
- Disease is currently underreported

Number of MS reporting ASF

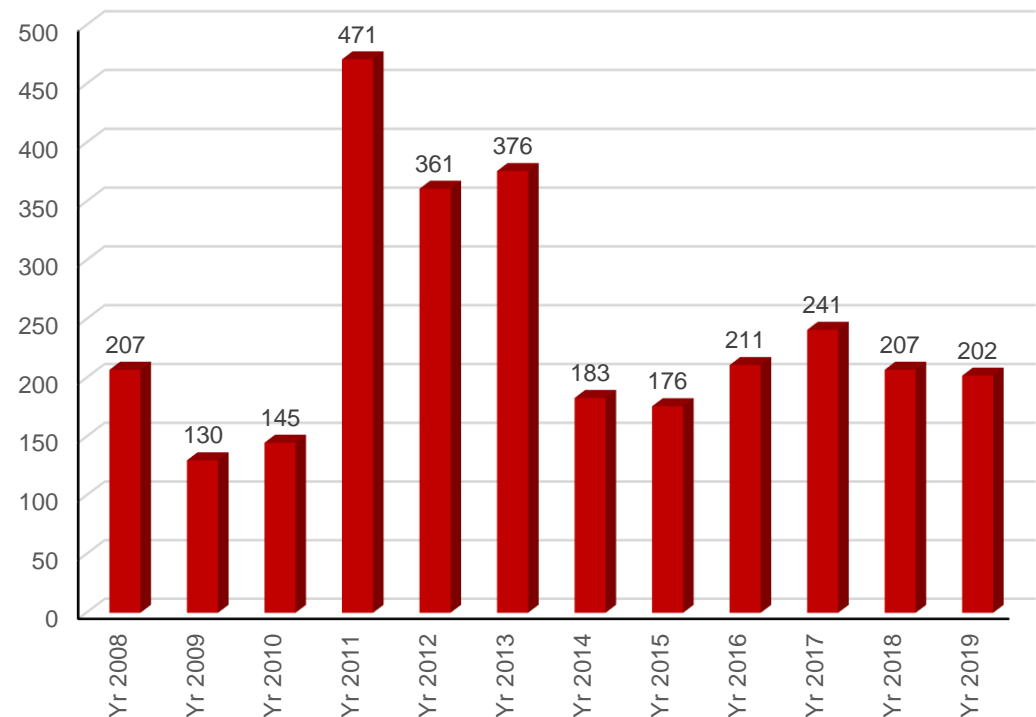




# ...Epidemiology

- Large number of epidemiological units affected every year

Number of Reported ASF OBs in Africa





# REGIONAL STRATEGY AND ACTION PLAN FOR THE CONTROL OF AFRICAN SWINE FEVER (ASF) IN AFRICA



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FAO  
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## REGIONAL STRATEGY FOR THE CONTROL OF AFRICAN SWINE FEVER IN AFRICA



Accra, 2017

## STRATÉGIE RÉGIONALE POUR LE CONTRÔLE DE LA PESTE PORCINE AFRICAINE EN AFRIQUE



Accra, 2017





# **ASF Control Strategy ....**

## **Vision and Overall Goal**



- **An African continent where ASF no longer constrains sustainable pig production and rural development or threatens livelihoods**



- **Reduce the impact of ASF on the pig sector in Africa thereby i) promoting viable pig production and ii) improving the livelihoods of all pig/pork value chain actors, especially the poor**



# **ASF Control Strategy...**

## **Objectives**



### **Objectives**

- **To control ASF in infected countries and**
- **To prevent the introduction of ASF into non-infected countries**



# **ASF Control Strategy...**

## **Expected Outputs**

### **Knowledge Creation**

- **Epidemiology and socio-economic drivers for ASF status, spread, prevention and control are better understood**

### **Knowledge Transfer**

- **Awareness of farmers, traders, butchers and other pig sector stakeholders is raised**

### **Capacity Building**

- **Capacities of veterinary services in disease detection, diagnosis, surveillance, management, contingency planning and emergency response as well as risk analysis are strengthened**



# ASF Control Strategy...

## Expected Outputs

**Application  
of Measures**

- **Prevalence and incidence of ASF are reduced**

**Impact  
Reduction**

- **Performance of pig and pork value chains are improved**



# ASF Control Strategy...

## Components







# ASF Strategy Components...

## Surveillance

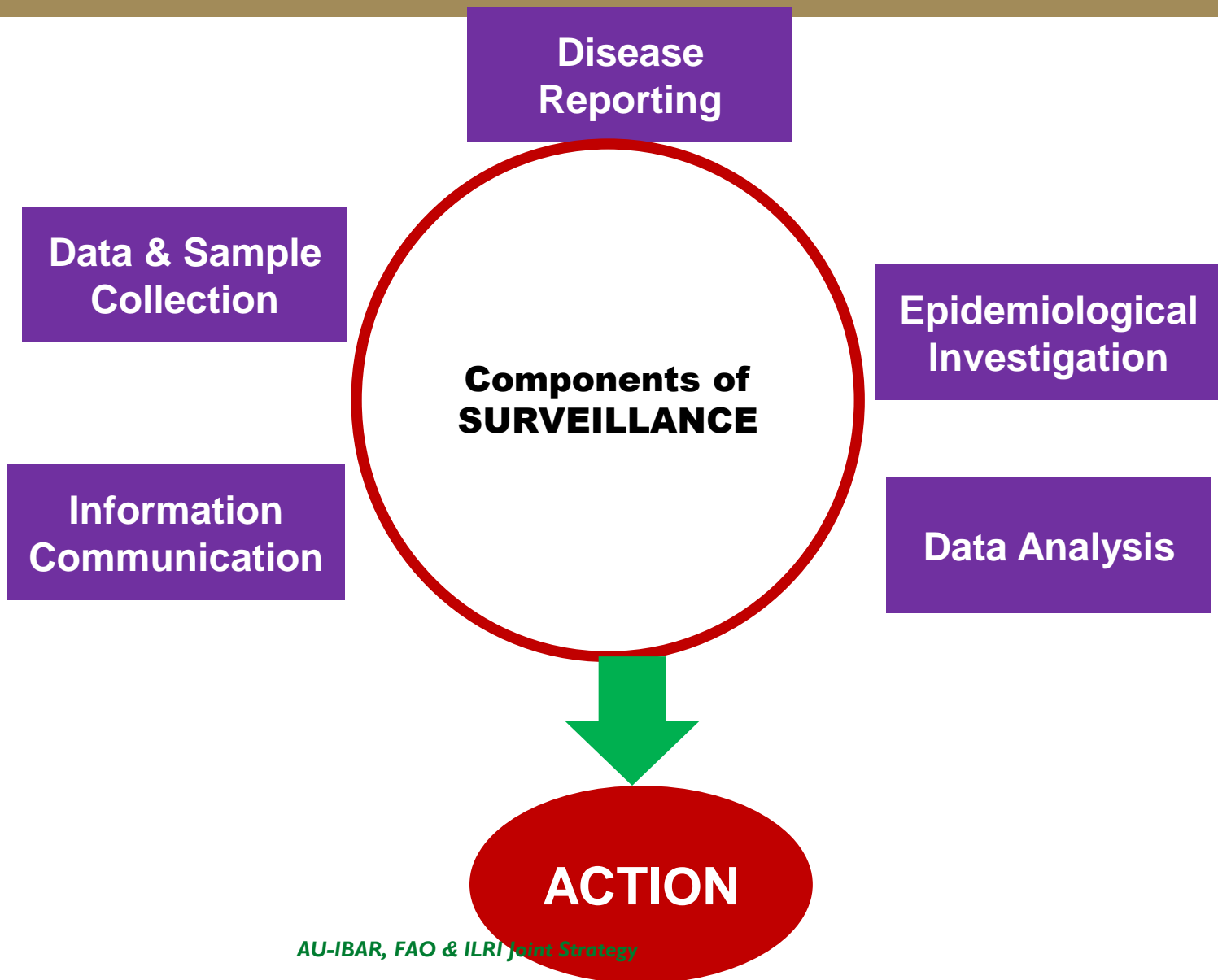
- **Strengthen epidemio-surveillance systems**
- **Disease reporting and prompt notification**
- **Surveillance network**
- **Awareness creation of surveillance stakeholders**
- **Capacity building i.e. training, infrastructure, logistics etc.**





# ASF Strategy Components...

## Surveillance Components





# ASF Strategy Components...

## Lab Diagnosis

- Capacity to undertake basic and advanced diagnostic tests
- Capacity to collect and transport samples to regional labs
- Capacity building i.e. training, infrastructure, logistics etc...
- Twining
- Lab networking





# ASF Strategy Components...

## Biosecurity

- Raise awareness of actors
- Continuous dialogue with stakeholders
- Technical capacity
- Improve husbandry and bio-security practices
- Gradual transformation of production system – scavenging into semi-intensive system
- Improve HACCP and waste management procedures







# ASF Strategy Components...

## Disease Management

- **Early notification and rapid response**
- **Movement control and quarantine**
- **Stamping out with compensation**
- **Cleaning and disinfection**







# **ASF Strategy Components...**

## **Awareness & Communication**

- **Development of communication & awareness raising strategy involving actors along value-chain,**
- **Advocacy**
- **Education**
- **Extension and**
- **Social mobilization interventions through strategic alliances with civil society organizations in disease management, control and surveillance.**





# ASF Strategy Components...

## Research

- Vaccine development,
- Validation of diagnostic tools
- Understanding of Risk factors,
- Virus strains and characteristics,
- Role of ticks,
- Role of wildlife, etc...





# ASF Strategy Components...

## Legislation and Policy

- **Compensation schemes**
- **Enforcement of veterinary legislation , movement control & other existing policies**
- **Harmonization of policies and legislation**
- **Commitment by governments**





# ASF Strategy Components...

## Coordination & Partnership

- Coordinated and collective efforts for complementarity, synergy and reduction of duplication  
Maximum impact
- Share experiences, lessons & technical expertise
- Support of regional and international organizations (AU-IBAR, RECs, FAO, ILRI, OIE...)
- Support of research institutions
- Support of donors







**African Union**

**Interafrican Bureau for Animal Resources**

# **ACTION PLAN FOR THE IMPLEMENTATION OF THE REGIONAL STRATEGY FOR CONTROL OF ASF IN AFRICA**







# Implementation Action Plan

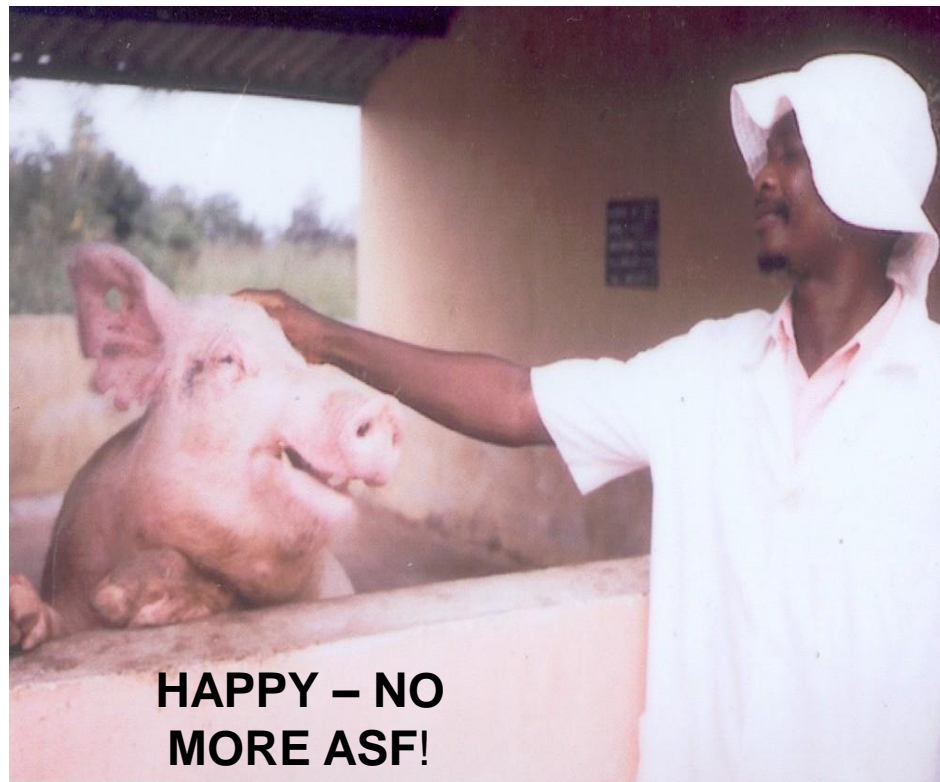
- ❑ Strategy has been translated into an action plan for effective implementation
- ❑ Approach
  - Knowledge based, areas specific and holistic approach
  - Actions of each key pillar ranked in short (**1-3 yrs**), medium (**4-7 yrs**) and long term (**7 yrs and beyond**)





# MAIN FOCUS AREAS

- Improving the pig sector
- Managing African swine fever





# ASF Action Plan...

## Approach

### Knowledge based approach

- **Information management, Disease Surveillance, Diagnosis and Research improved**

### Areas -specific

- **Biosecurity, Awareness, Communication and Information, Outbreak management and recovery strengthened**

### Holistic Approach

- **Development and organization of the pig sector with the ultimate goal of its transformation; Harmonization of strategies, policy and legislation; foster coordination and partnership among stakeholders**



# Next Steps/Call for action

- **ASF is now a global threat to the world's food security and economy;**
- **Need to review the ASF control strategy for Africa and update the action plan as well as the continental ASF control program**
- **Resource mobilization for implementation of the continental program for ASF control and containment**
- **Need for a comprehensive framework and mechanisms for multi-sectoral collaboration and partnerships among all value chain stakeholders (Farmers, traders, Researchers, Veterinary and animal production services, CSOs, and development partners) to improve ASF control and containment in Africa and worldwide**
- **Call for a Continental conference on ASF and strategic alliances between private and public sectors, donors and research institutions under the Global GF-TADs and GF-TADs Africa initiatives**
- **Emphasis to be on concerted efforts and synergy of actions to tackle the growing threat of ASF in Africa and worldwide.**



# Acknowledgments

- **Task Force Members**
- **Global platform for ASF**
- **Regional Economic Communities (RECs)**
- **ASF Working Group for Eastern Africa**
- **Members States**
- **Research Institutions (OVI, CISA-INIA Spain, Pirbright Institute)**





# Thank You/Merci

[www.au-ibar.org](http://www.au-ibar.org)



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**Providing Leadership in the Development of  
Animal Resources for Africa**