



# BIOSECURITY ALONG THE VALUE CHAIN

SECTOR 1: MOVEMENT CONTROL, QUARANTINE,  
IDENTIFICATION AND TRACEABILITY

DR PETER EVANS  
SOUTH AFRICA



# Biography

- ← General Veterinarian (5 years)
- ← Piggery manager (5 years)
- ← Partner at CS Vet (30 years)
- ← SAPPO veterinarian on part time basis (last 15 years).
- ← Pig Farm Owner (Last 8 years)



# Normal situation (No outbreak)

## **MOVEMENT control**

- ▶ Control zones / High risk areas e.g.,
  - ▶ where sylvatic cycle is present
  - ▶ domestic cycle
- ▶ Live pigs
- ▶ Pork products
- ▶ Wild suids, hunting trophies, meat

## **CONTINGENCY PLANS**

- ▶ Negotiated by all role players = PPP

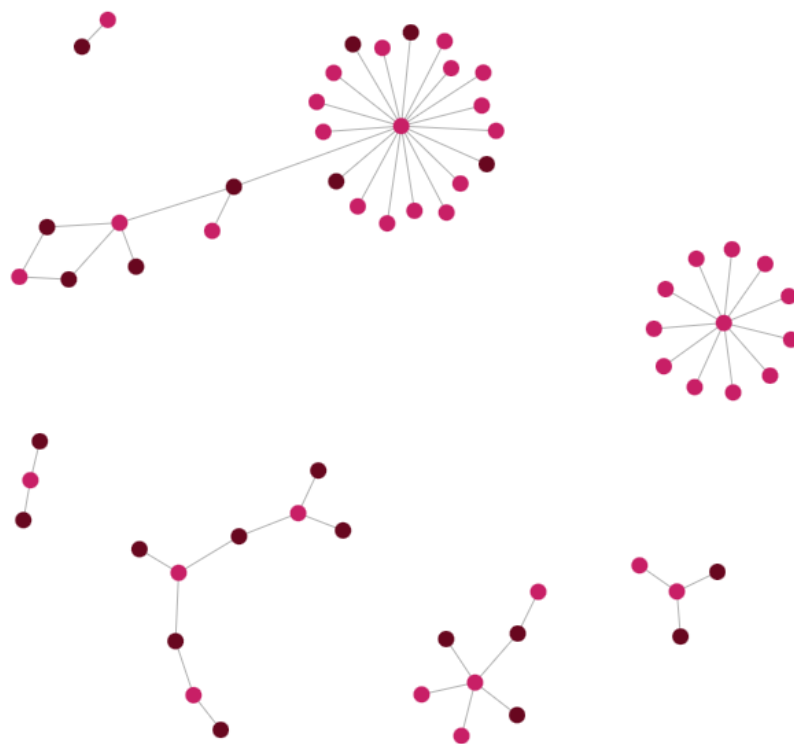


# Normal situation (No outbreak)

## MOVEMENT tracking

PRD = Producer  
ABR = Abattoir

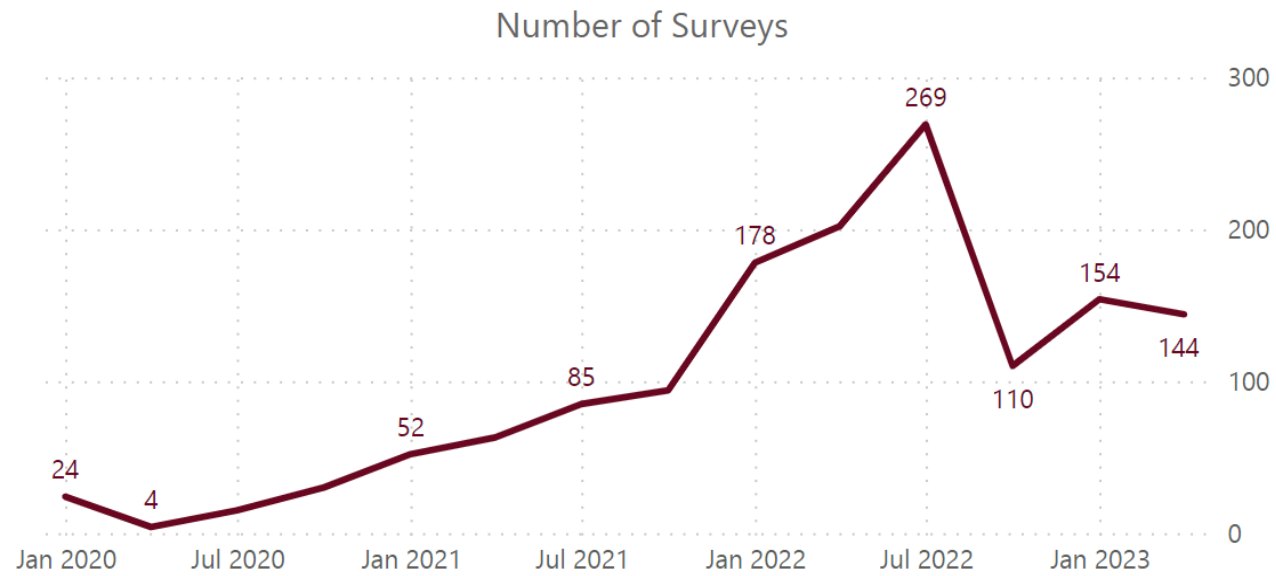
7 Networks





# Normal situation (No outbreak)

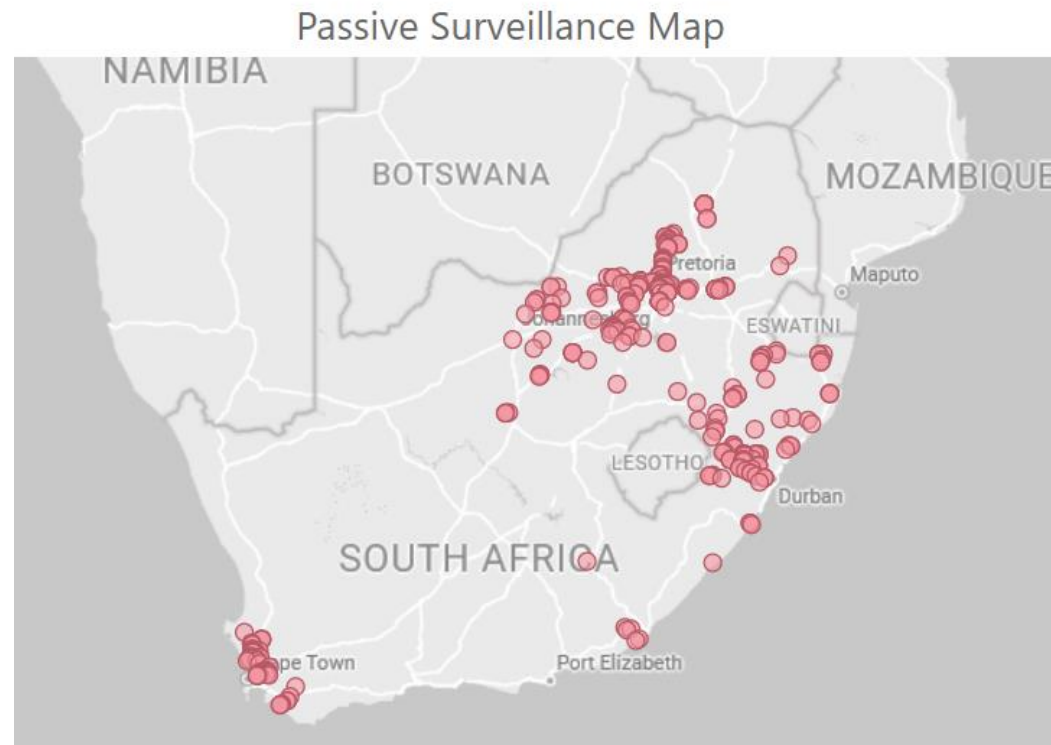
## PASSIVE DISEASE SURVEILLANCE





# Normal situation (No outbreak)

## PASSIVE DISEASE SURVEILLANCE





# Normal situation (No outbreak)

## BIOSECURITY ASSESSMENT



- Producer or Approved Assessor
- **31** Scoring Questions
  - Used to calculate Bio-Security rating out of 100
- Recipient of Animals Determines Type
  - Self-Assessment
  - Independent
    - SAPPO Approved Assessor
    - Pork 360 Veterinary Auditor
- Can be completed/updated at any time.

# Animal Movement Report - Detailed Movement



**Business of Origin:** Butt Farming (Pty) Ltd

**Estimated Date of Arrival (YYYY/MM/DD):** 2023/6/1

**Destination Business:** WINTERTON ABATTOIR

**Estimated Time of Arrival:** 14:00

**Movement Reference:** AM-1077

**Movement Permit Number:**

**Movement Type:** From My Production Unit to an Abattoir

**Movement Total Number of Animals:** 36

**Movement Status:** Draft

**Movement Weight (kg):** 0.00

**Red Cross Permit Number:**

Batch Number: B1187			
<b>Unit of Origin</b>	Prairie	<b>Number of Animals Moved by Product Type</b>	
<b>To Abattoir</b>	WINTERTON ABATTOIR	<b>Growers Gilts</b>	0
<b>From Unit Detail</b>		<b>Growers Boar</b>	0
<b>Unit of Origin</b>	Prairie	<b>Growers Mixed Sex</b>	0
<b>Unit of Origin Certification Status</b>	Pork 360 plus Compartment	<b>Culled Females</b>	36
<b>Unit of Origin Compartment Number</b>	ZA10/11A	<b>Boars</b>	0
<b>House Reference</b>	PR	<b>Weaners</b>	0
<b>Farm Batch Reference</b>	PR	<b>Replacement Gilts</b>	0
<b>Delivery Note Number</b>		<b>Batch Total</b>	36
<b>Finisher Feed Include Paylean?</b>	No	<b>Age (Weeks)</b>	0
<b>Used Improvac?</b>	No	<b>Live Weight (kg)</b>	0.00
<b>Truck reference</b>	NMR12482	<b>Last Veterinary Visit Detail</b>	
<b>Trailer Reference</b>		<b>Last Recorded Veterinary Visit (YYYY/MM/DD)</b>	2023/5/22
<b>To Abattoir Detail</b>		<b>Veterinarian</b>	Annie Labuscagne
<b>To Abattoir</b>	WINTERTON ABATTOIR	<b>Movement Status</b>	CCM 1
<b>To Abattoir Pork360 Status</b>	Not specified	<b>Biosecurity Score</b>	
<b>Comments</b>			

**Who Created:** Grant Lavers

**Report Date:** 2023/5/23





# DISEASE OUTBREAK

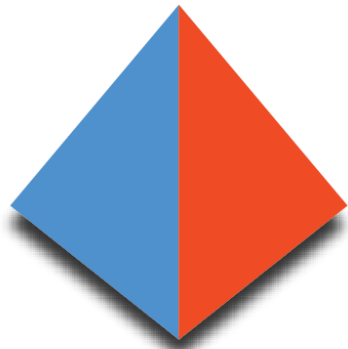
- ▶ **QUARANTINE**
  - ▶ Compliance
  - ▶ Enforcement
- ▶ **SLAUGHTER** of healthy pigs (salvage)
  - ▶ Routes to abattoir
- ▶ **EUTHANASIA**
  - ▶ How?
  - ▶ Prevent contamination
- ▶ **DISPOSAL** of mortalities
  - ▶ Where?
  - ▶ Legislation



# IDENTIFICATION & TRACEABILITY

- ▶ CRITICAL ELEMENT
  - ▶ Legislation
  - ▶ Cost effectiveness
  - ▶ Compliance

**THANK YOU**



# GF-TADs

GLOBAL FRAMEWORK FOR THE  
PROGRESSIVE CONTROL OF  
TRANSBOUNDARY ANIMAL DISEASES



Food and Agriculture  
Organization of the  
United Nations



World Organisation  
for Animal Health  
Founded as OIE

*Africa*

African  
Union 