

# Bek-en-Klouseer: Die huidige realiteit en die pad vorentoe



**Herkouersdag**

*Dr Muller Strydom*



OVERBERG

# Bek-en- klouseer(BEK)

Die huidige situasie en die pad  
voorentoe

DR. MULLER STRYDOM

GEORGE DIEREHOSPITAAL



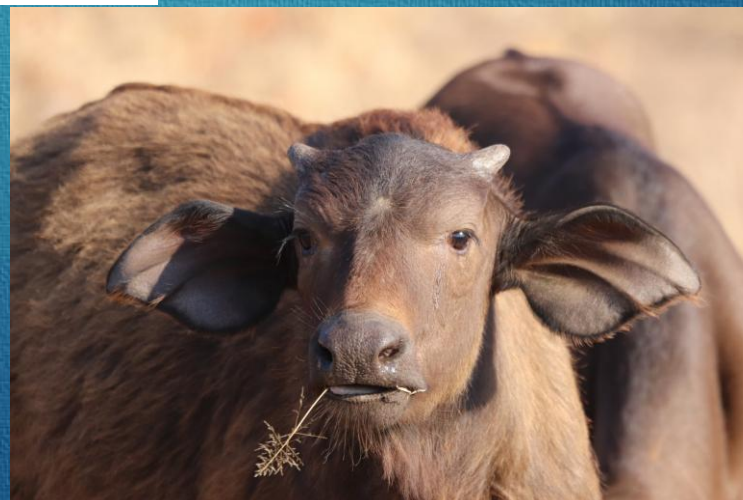
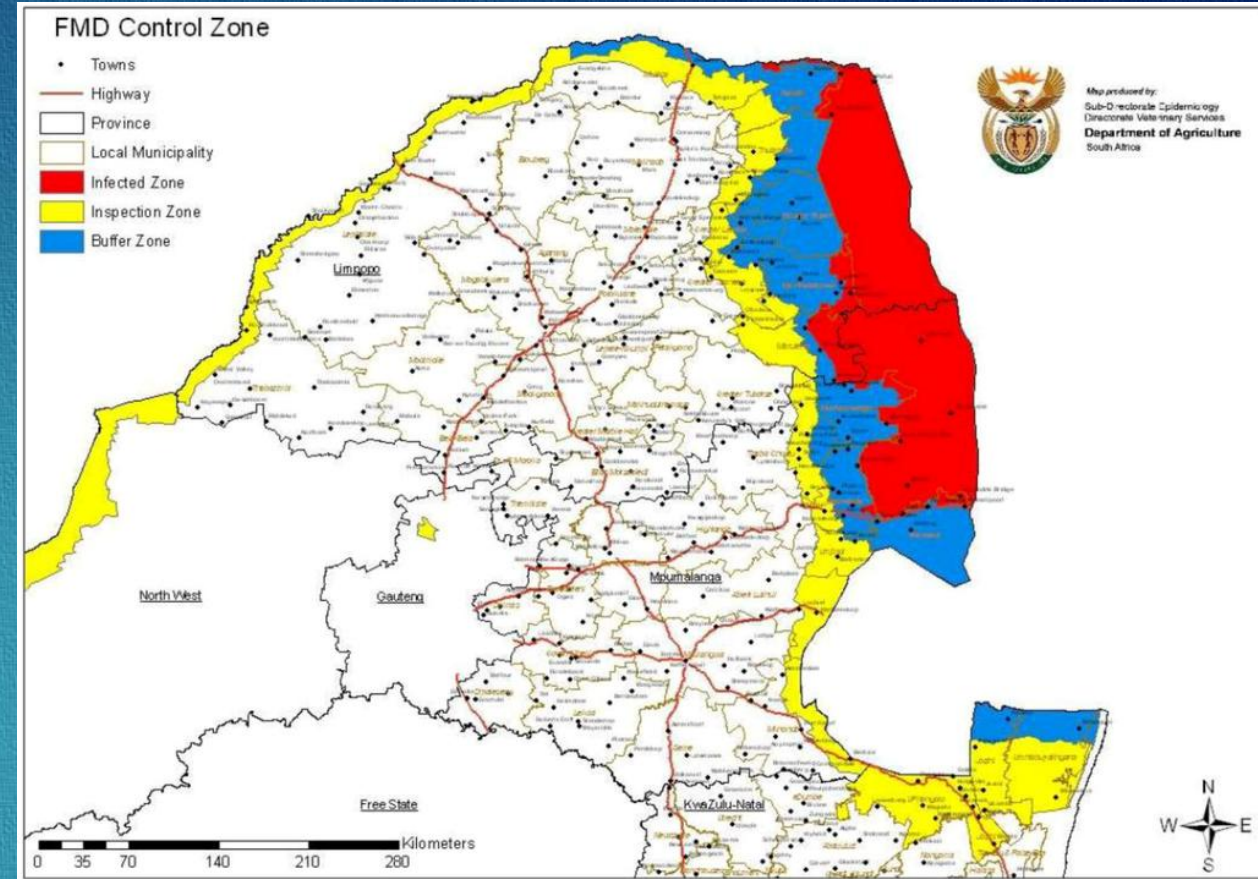
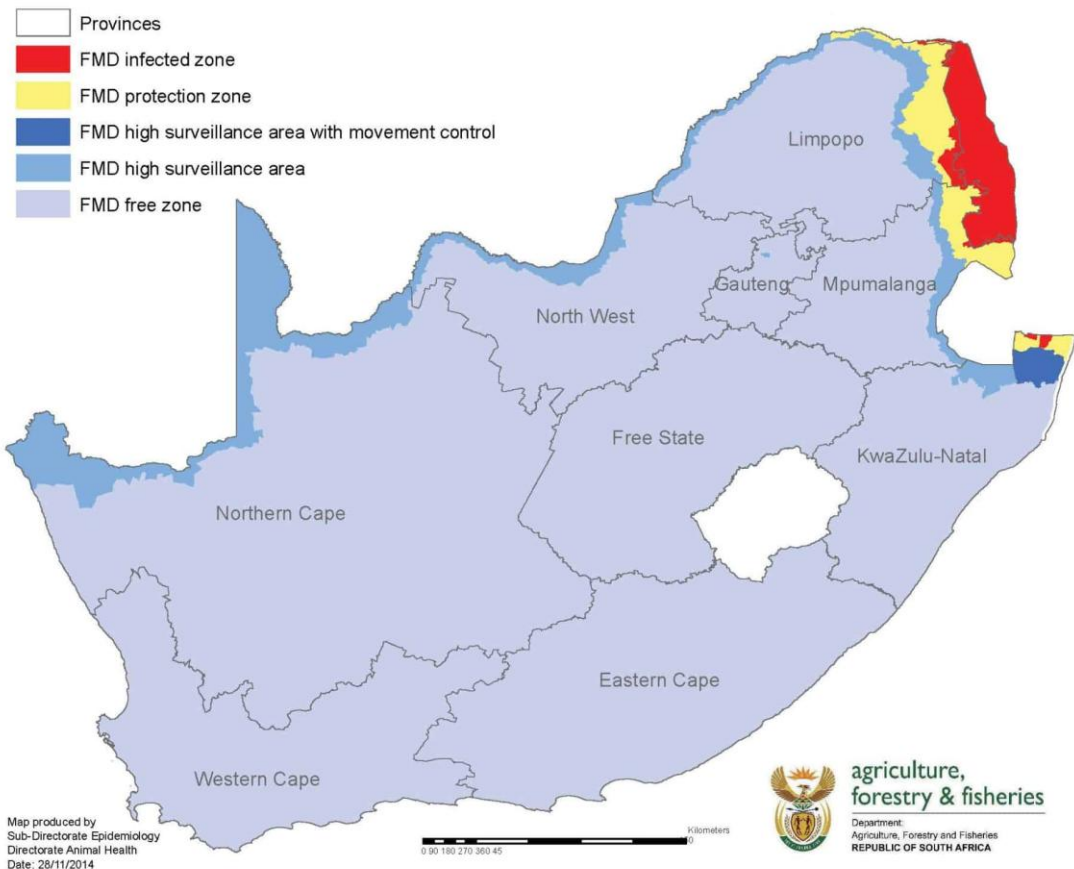
# INHOUD

- ▶ Waar kom ons vandaan?
- ▶ Wat het ons tot dusver geleer?
- ▶ Hoe gaan ons BEK in die toekoms Beheer?
- ▶ Algemene vrae.



# Waar kom ons vandaan?

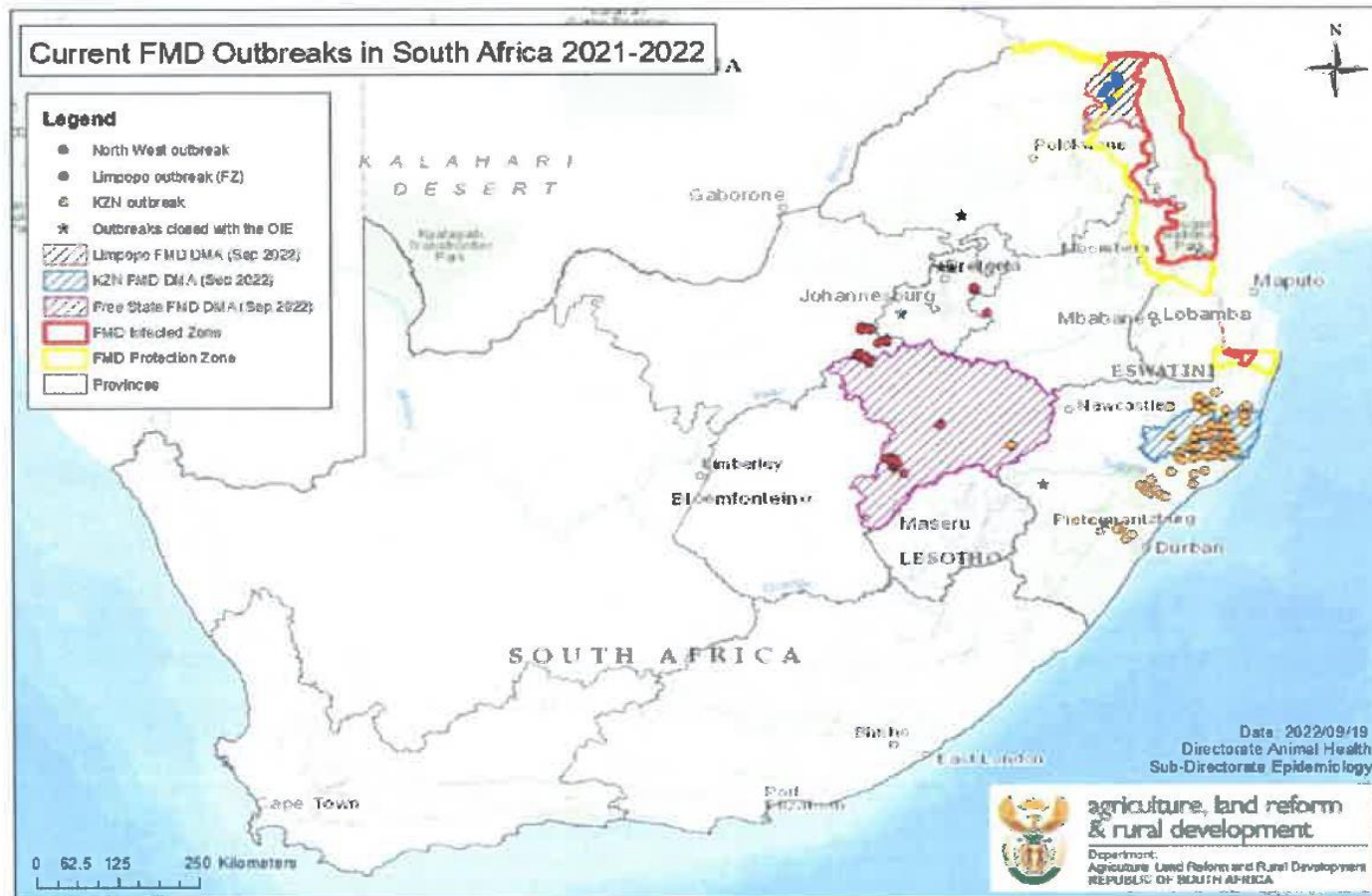




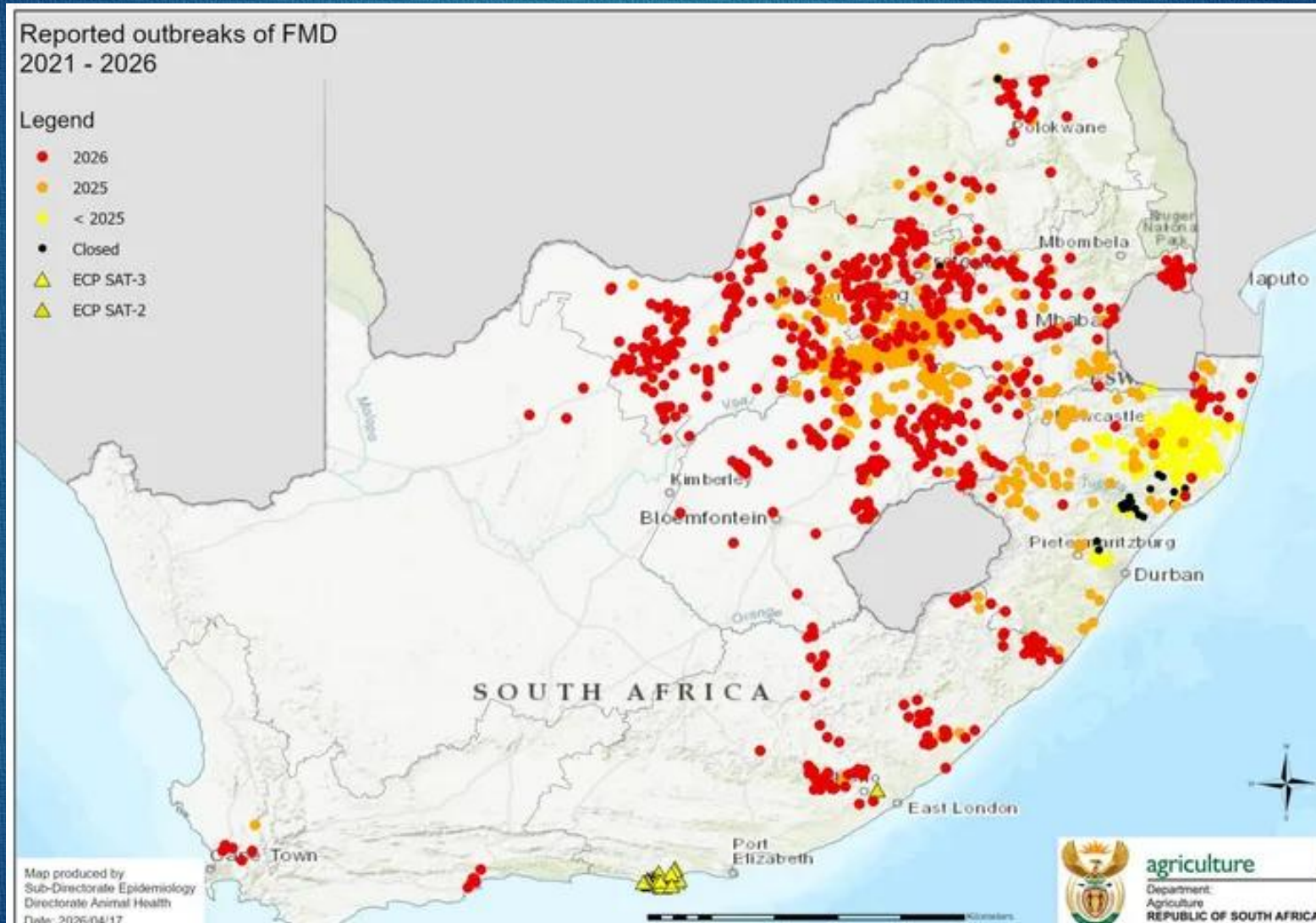
# 2021-2022

## Map 1: Reported outbreaks in the previous FMD free zone 2021 - 2022

Note: Dots on the maps that indicate locations in close proximity might appear as single dots.



# 2021 - 2026



<https://gis.westerncape.gov.za/portal/apps/experiencebuilder/experience/?id=46f73682c6fc4b3a9fdc03bfa62223b4>

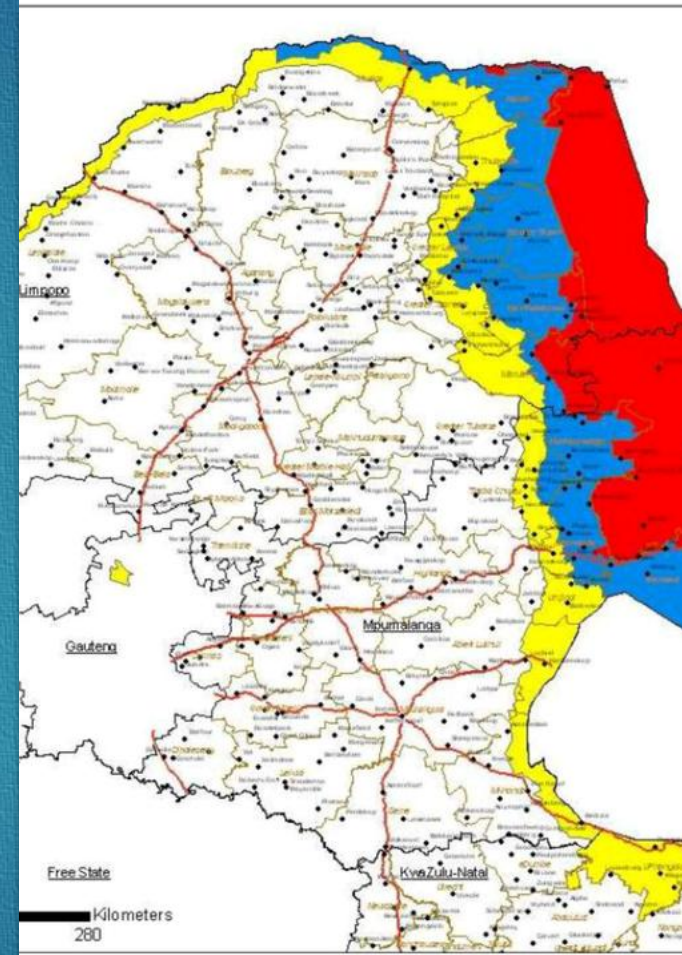
<https://rmis.co.za/disease-incidents/>



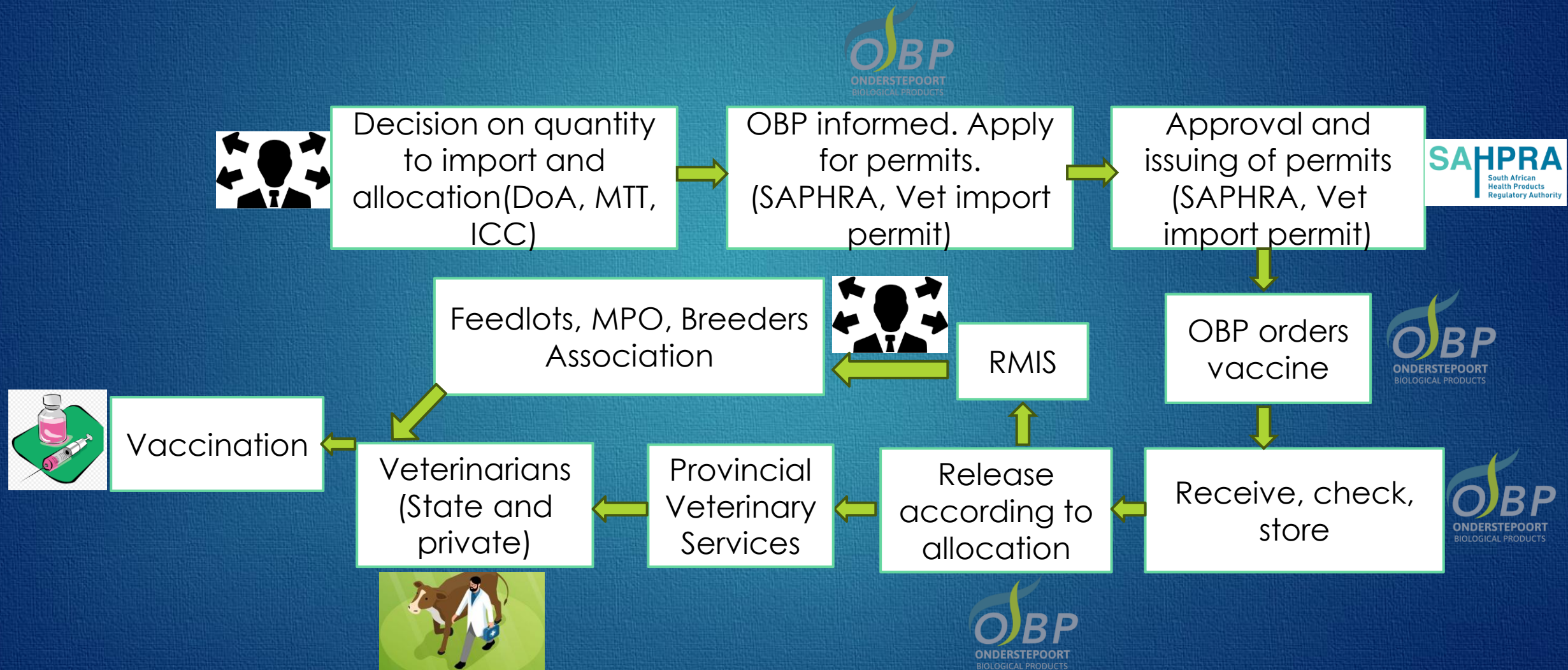
# Hoe het inenting gewerk?

\*100% staatsbeheer, m.a.w.  
net die staatveeartse kon  
inenting.

\*Net in die beskermings  
areas en met uitbreke



# Vaccination rollout



# Waar staan ons nou:

**Onthou, om kuddeimmunititeit te verkry, moet 80% van die populasie ingeënt wees.**

8 Julie 2026: >2500 Plase positief

Min. Willie Aucamp: Nuwe beheermaatreëls

- Gewone reëls word verslap sodat boere makliker kan handel dryf.
- Minder voorskriftelik
- Staatsveearts het meer vryheid om plaaslike besluite te neem.
- OBP is nie meer alleeninvoerder van entstowwe nie.



# Waar staan ons nou? Vervolg

- Boere kan vrywilliglik self ent @ BEK in lyn met **biosekuriteitsmaatreëls, wetlike voorskrifte, naspeurbaarheid en rapportering.**
- Dag Zero is nou van die dag waar geen tekens meer waargeneem word nie. Nie meer wag vir Lab.
- Kwarantyn is verminder van 12 mnde na 42 dae na Dag Zero
- Na 42 dae kan diere by enige abattoir geslag word.
- 10 km radius verval – 3km
- Melk vir binnelandse verspreiding hoef net 1x gepasteuriseer te word.
- en vele meer.



# Wat het ons sover geleer?

## 1. Verspreiding?

- \* Versprei baie maklik deur wind, reën, water en mis (fog)
- \* “Fomites”
- \* Diere – draers en geïnfekteerde diere

## 2. Die siekte self

- \* Baie meer patogenies
- \* Baie diere vrek meer – Tiger Heart
- \* Vinnige mutasies
- \* Ander spesies: bv varke, wild, skape ens





### 3. **Entstof?**

- \* *OBP* = 12 maande
- \* *BVI* = 2-3 maande
- \* *Aftodoll* en *Bioaftogen* = 6 maande, met 'n skraagdosys 4 weke na 1ste enting.



# Hoe gaan ons BEK uitwis en weer normaal funksioneer?

## INENTING & BIOSEKURITEIT



# Verkryging van die entstof





1. Dunevax /  
Dollvet – Aftodol®  
(Turkse)

2. Biogenesis Bago -  
Bioaftogen®  
(Argentynse)

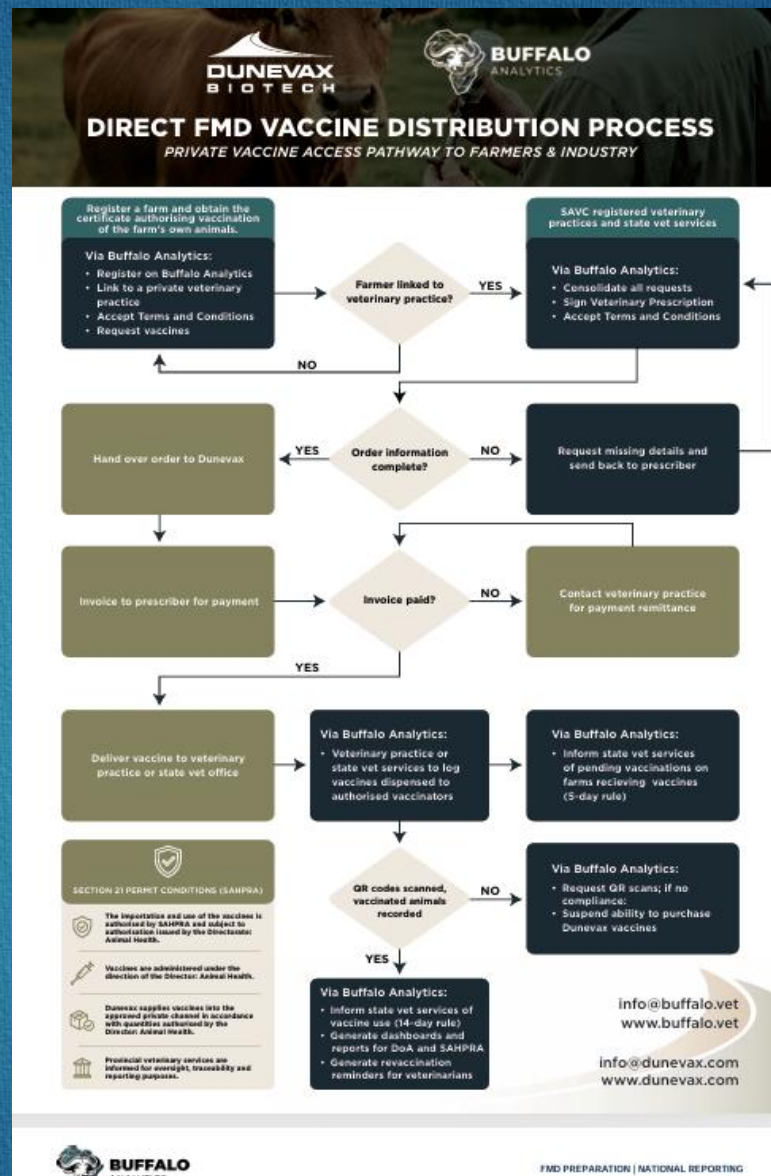


3. OBP ???????

4. BVI .....



# Buffalo Analytics



## LIVE • INTEGRATED • IN USE

### Fully integrated with the National Department of Agriculture

Buffalo Analytics provides a single digital workflow for farmer FMD authorisation, the five-day notification of intent to vaccinate, and the fourteen-day confirmation of vaccination. Submissions are transmitted electronically to the National Department of Agriculture through the active national API integration.

Users capture the information once on Buffalo Analytics. The platform manages the structured submission and maintains a traceable digital record.

#### 1 AUTHORISE

##### Farmer FMD authorisation

Select the Natural Person, accept the prescribed terms, sign and submit. The Department processes and issues the authorisation.

#### 2 NOTIFY

##### Five-day rule

Select the farm and intended animals, or an animal group. Choose the vaccination purpose: Infected, pre-emptive or booster. Review and submit.

#### 3 CONFIRM

##### Fourteen-day rule

Record the vaccine treatment against every vaccinated animal. Individual unique IDs are required. Pigs may use Department-approved batch identification where applicable.

#### Why this matters

- Direct digital integration with the national system
- One auditable record linking farmer, farm, animals, vaccine and responsible person
- No paperwork, no duplicate data entry and automated regulatory reporting
- Veterinarian verification, prescription control and traceable vaccine use

**Critical preparation requirement:** For the fourteen-day confirmation, every vaccinated animal must have a unique visual or RFID identifier. Records may be entered individually, uploaded by CSV, or imported from a supported database. During vaccination, records can also be generated automatically by linking an RFID scanner via Bluetooth to the Dunevax App.

#### THIS IS NOT A FUTURE INTEGRATION.

**BUFFALO ANALYTICS IS APPROVED BY THE DEPARTMENT OF AGRICULTURE AND THE MINISTER.**

National system integration is complete, and Buffalo Analytics is operational.

Prepare now at [www.buffalo.vet](http://www.buffalo.vet)

Register your user, create the Natural Person profile, link the farm and nominate the veterinarian.



**George Animal Hospital**

# RMIS

[HTTPS://RMIS.CO.ZA/WP-  
CONTENT/UPLOADS/2026/06/2026.06.03\\_VACCINEORDERING\\_SOP-2.PDF](https://rmis.co.za/wp-content/uploads/2026/06/2026.06.03_VACCINEORDERING_SOP-2.PDF)



# IDTrax

► <https://idtrax.co.za/app/home.html>

# IDTrax



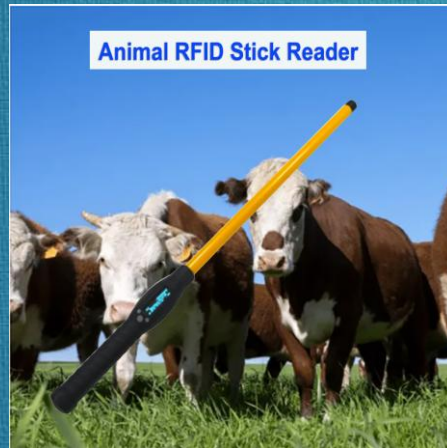
# Soos dit nou gaan wees:

- ▶ 1. Dollvet via Dunevax (Aftodol) en Buffalo Analytics (R?/dosis)
- ▶ 2. Biogenesis Bago (Bioaftogen) via RMIS (R?/dosis)
- ▶ 3. IDTrax - MPO
- ▶ 4. Via Staat
- ▶ 5. Wat van kommunale boere?
- ▶ Weskaap?
- ▶ <https://fmd.nda.gov.za/>
- ▶ [https://rmis.co.za/wp-content/uploads/2026/06/2026.06.03\\_VaccineOrdering\\_SOP-2.pdf](https://rmis.co.za/wp-content/uploads/2026/06/2026.06.03_VaccineOrdering_SOP-2.pdf)
- ▶ Diere gaan op 'n unieke metode gemerk moet word - elektronies



# Oorplaatjes

- ▶ RFID of LIFS oorplaatjes
- ▶ Skandeerder

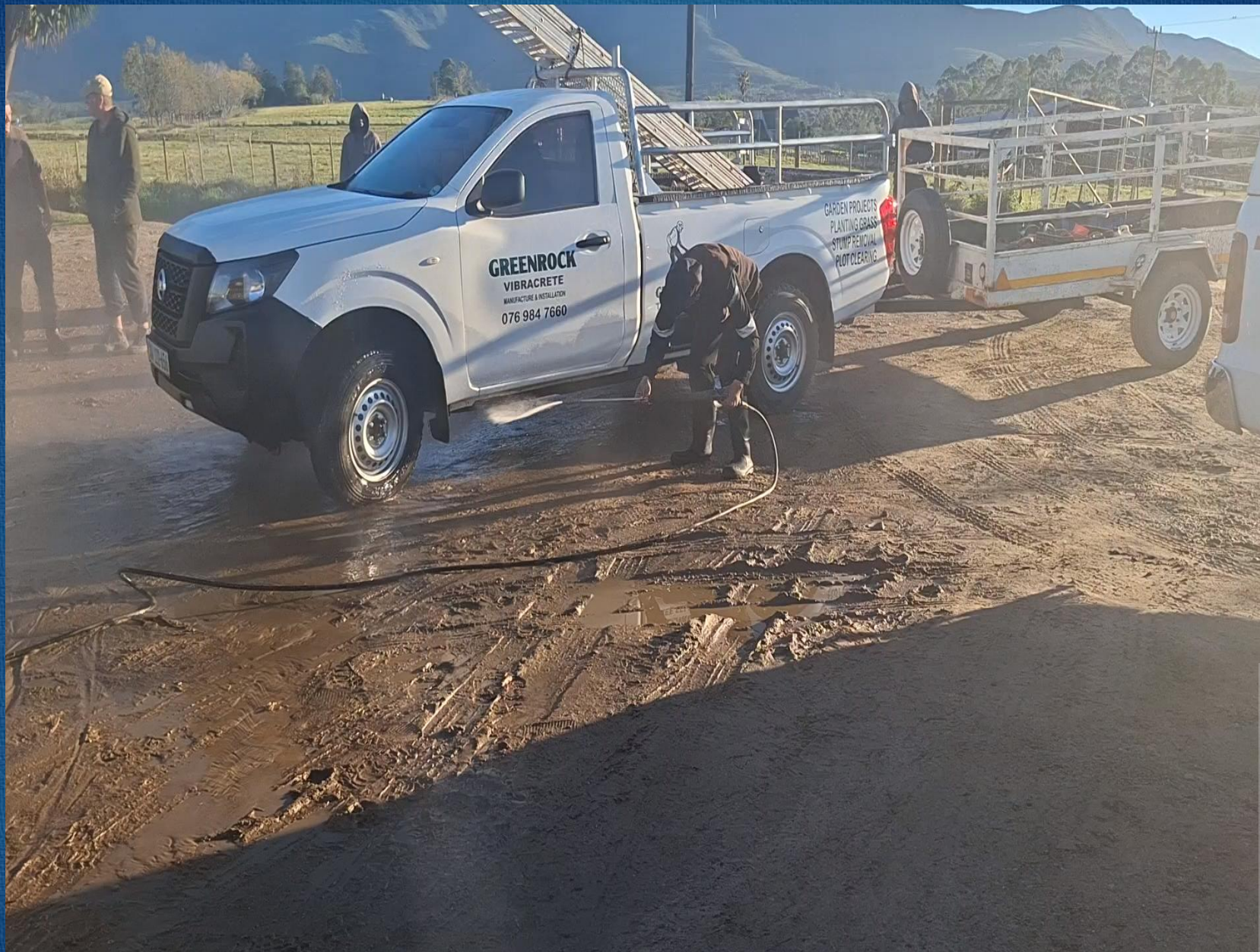




# Biosekuriteit

- Dink baie mooi voordat jy diere inkoop van 'n ander area
- Beheer wie op jou plaas kom – wees hardekwas!
- Wees kreatief met wat jy doen
- Dink wyer as BEK





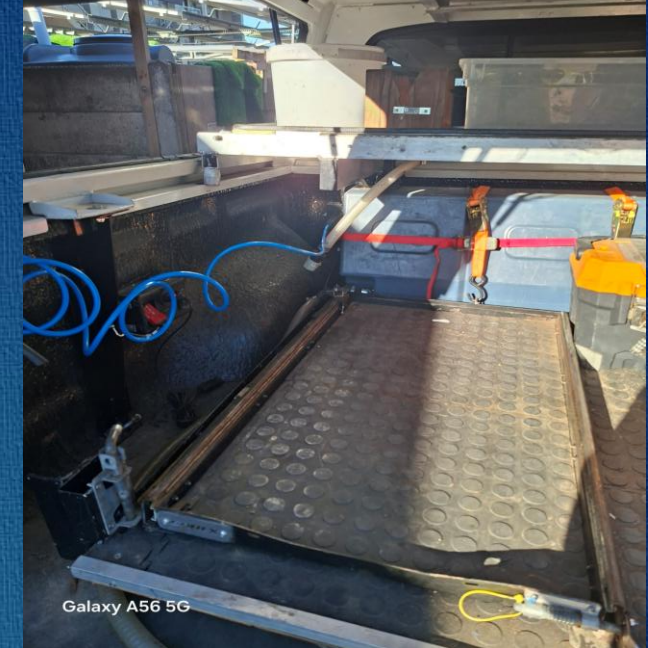


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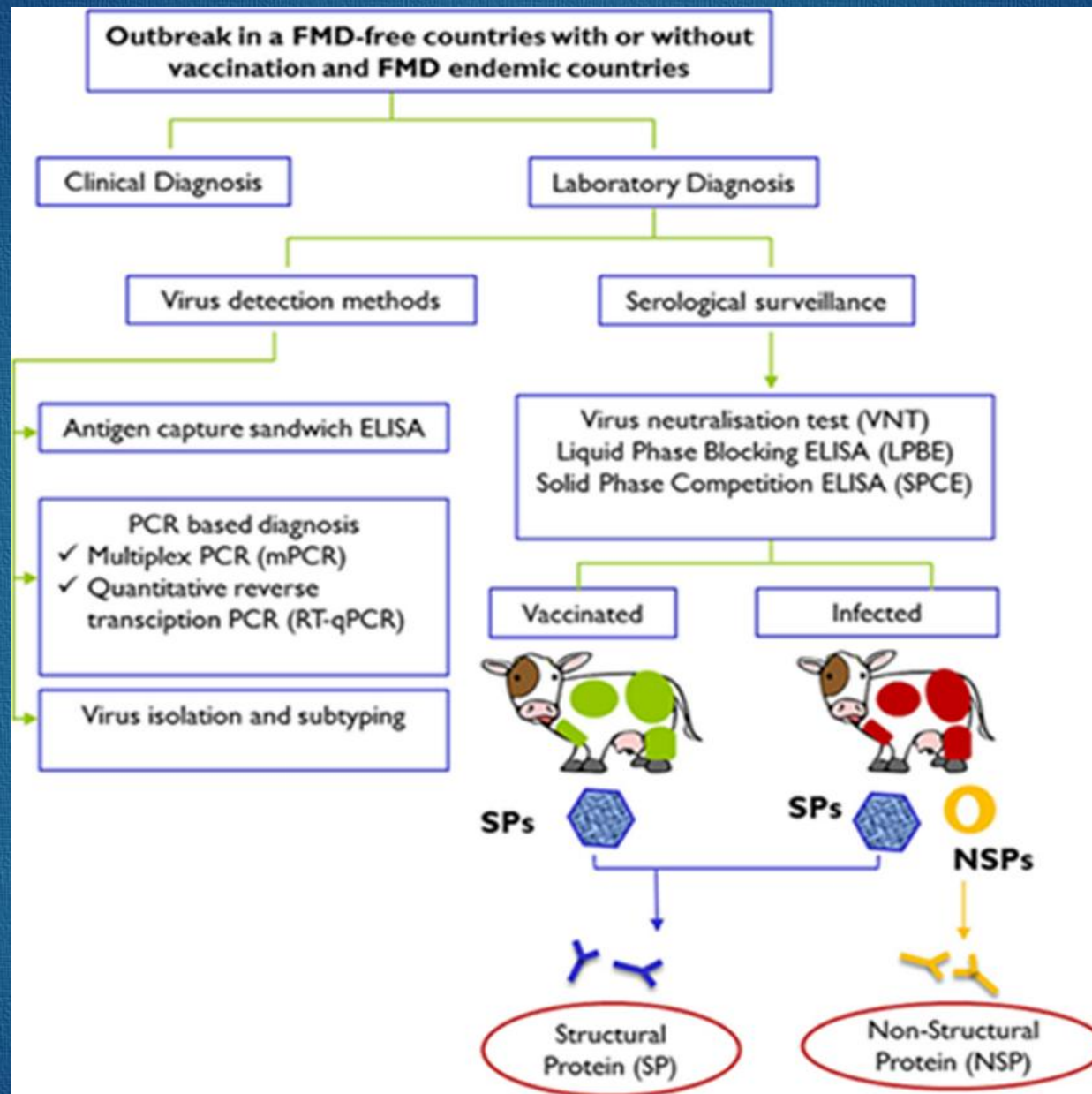


Dis my storie



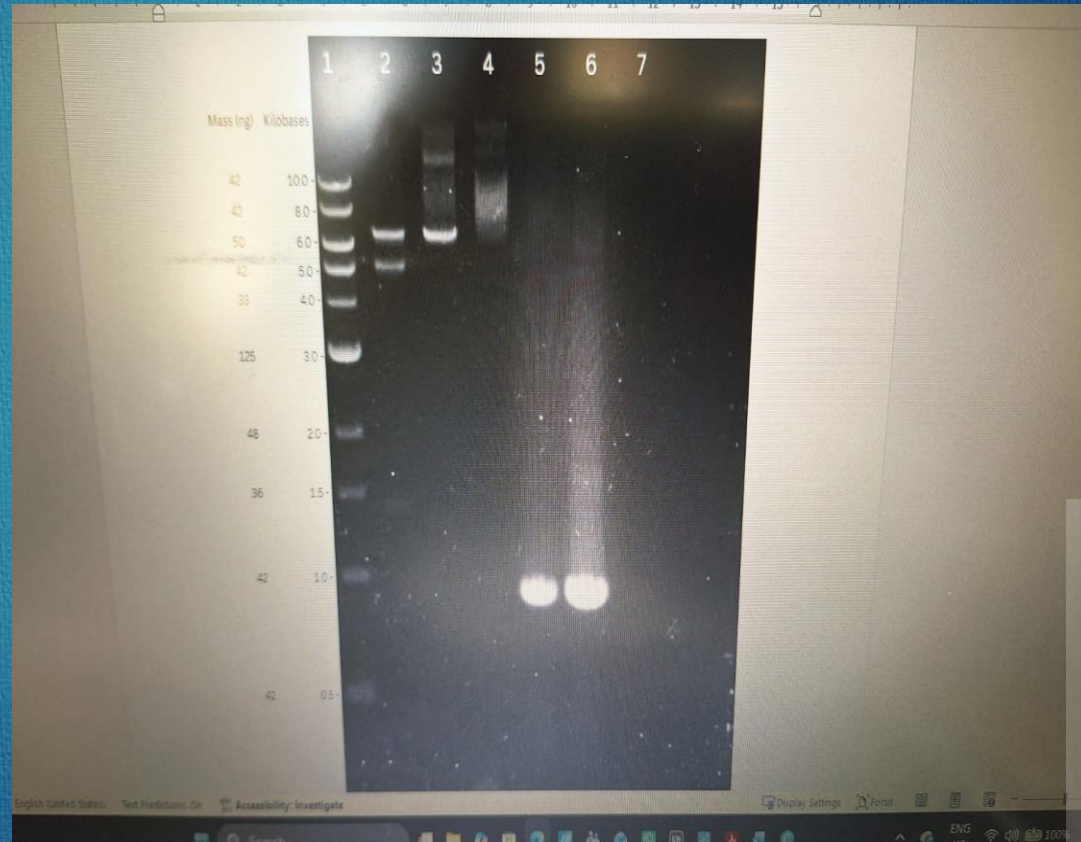
# Testing for FMD





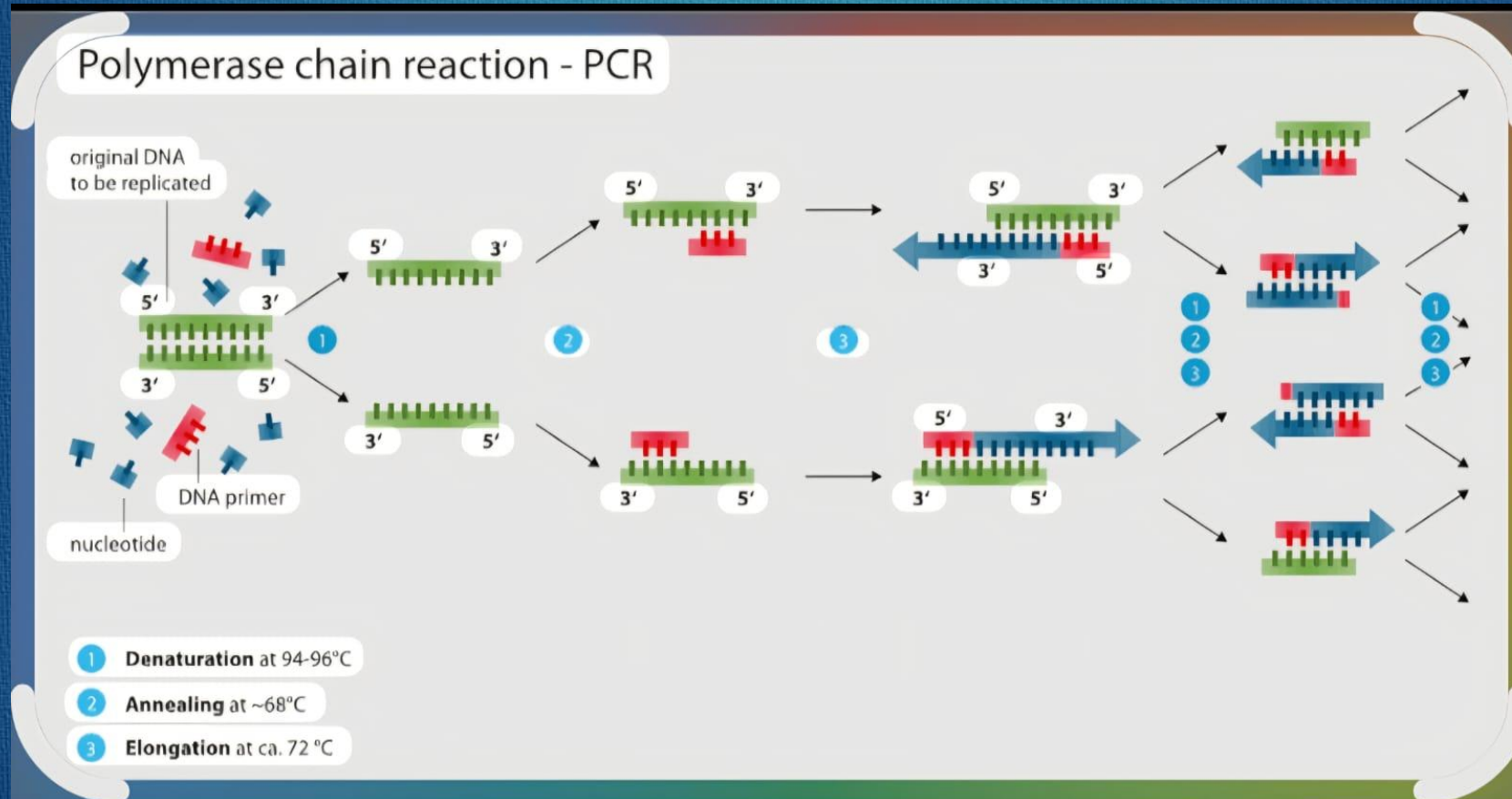


# PCR cont.



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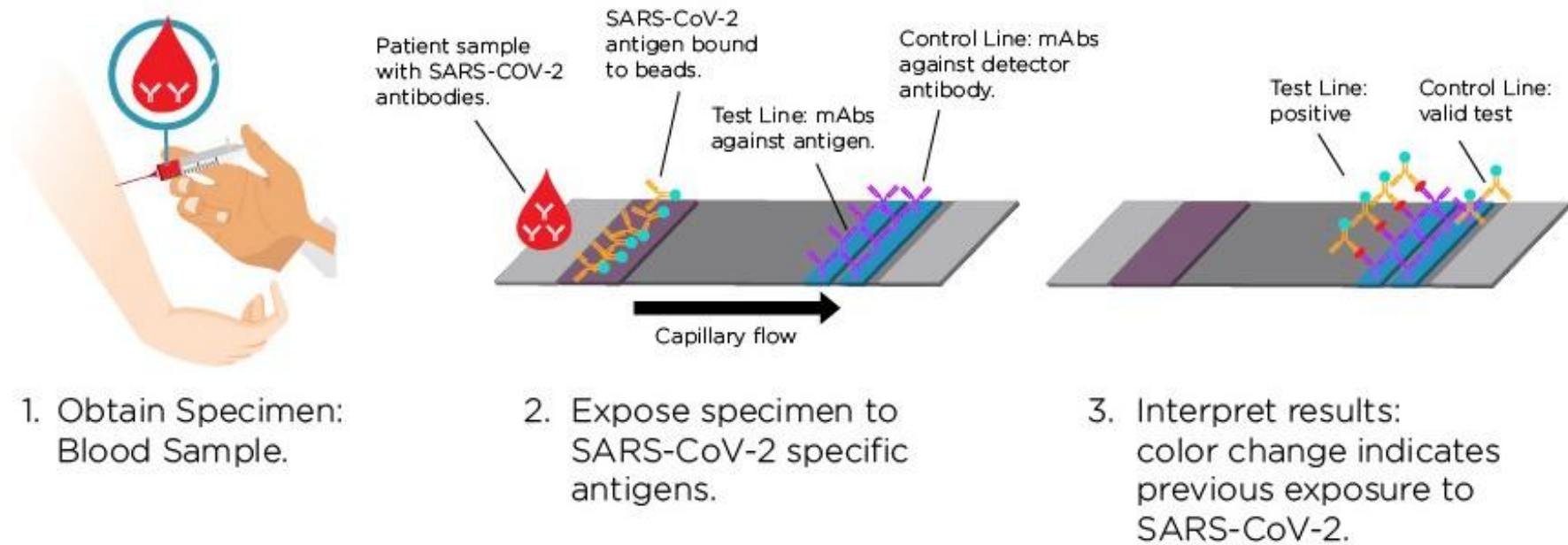
# PCR: Polymerase Chain Reaction





# Antibody Tests (Serology)

*Detect immune response to SARS-CoV-2 exposure*



# Serology

