

The background of the slide is a close-up photograph of several piglets. They have pink skin and large, upright ears. The piglets are huddled together, with their heads and backs visible. The lighting is soft, highlighting the texture of their skin.

Control del PRRS

Experiencia Danesa y puntos de aprendizaje

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Vidara, June 2025

SUPPORTED BY
Danish Pig Levy Fund

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Dangerous new PRRS virus strain in Spain

Pig health

Read this article in:  Language ▾

Meat

Spain

Supply

Rosalía is the most dangerous PRRSv strain
highly virulent
farm



PRRS Hot Topics Videos

Productive and economic impact of two PRRS increased virulence outbreaks within a swine farm in Spain



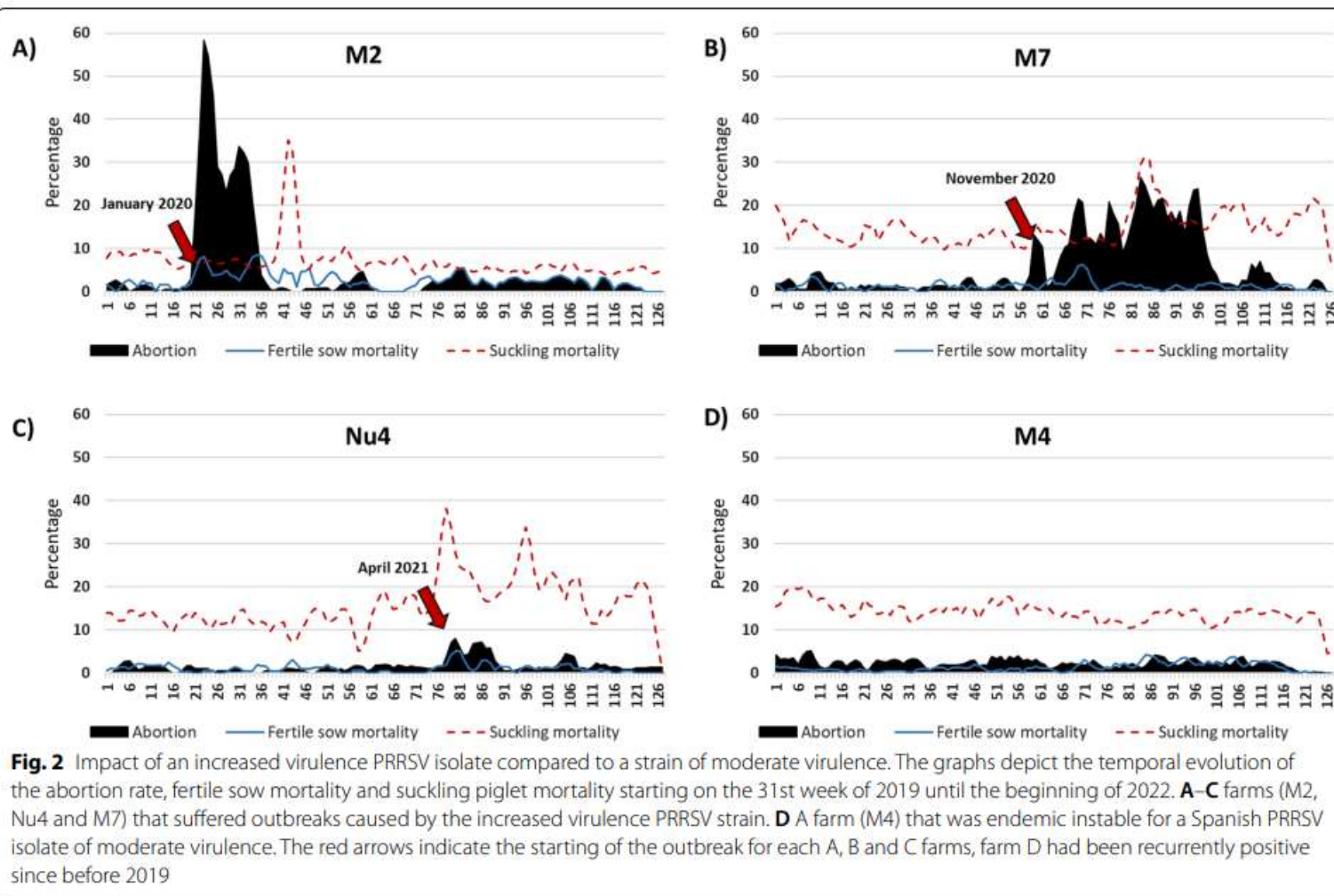
Publication of Alberto García Flores *et al.* in the IPVS 2024

RS virus, known as the 'Rosalia' variant, has been present in Spain for the past three years. It is leading to weaker and stillborn piglets. The situation is worsening, with higher mortality rates in piglets, sows, and a significant increase in PRRS-affected

Introduction

Starting in 2020 in Northeastern Spain, a mosaic PRRSv strain has since been circulating in the country. Commonly known as “Rosalía”, it has caused outbreaks of a severity never previously described in Spain. It has been estimated that 18 million pigs have been impacted by Rosalia, characterized by abortion storms in sow herds, sow mortality, stillbirths, high mortality in suckling piglets and weaners¹. Measuring changes in farm productivity before and after PRRS infection allows quantification of the impact of the

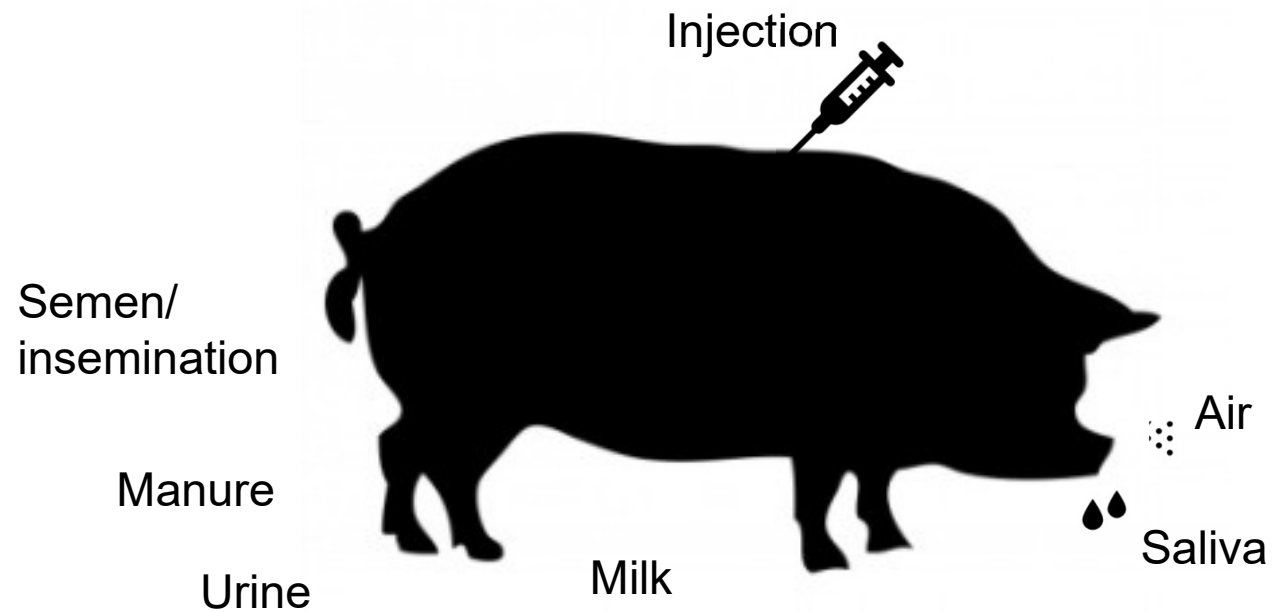
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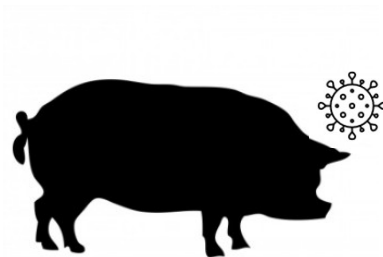
Agenda

1. PRRS in general
2. The Danish PRRS control programme
3. New PRRS cases
4. PRRS eradications on sow farms

How is PRRS transmitted



How is PRRS transmitted between farms?



Air: 5,8 km

(Kvisgaard et al., 2019)

Manure: Up to 14 days (4°C)

(Mesa et al., 2024)



Danish Agriculture & Food Council
Pig Research Centre



3. May 2022

**STRATEGY FOR THE REDUCTION
OF PORCINE REPRODUCTIVE
AND RESPIRATORY SYNDROME (PRRS)
IN PIGS IN DENMARK**



The Danish Veterinary Association



Minister for Food,
Agriculture and Fisheries

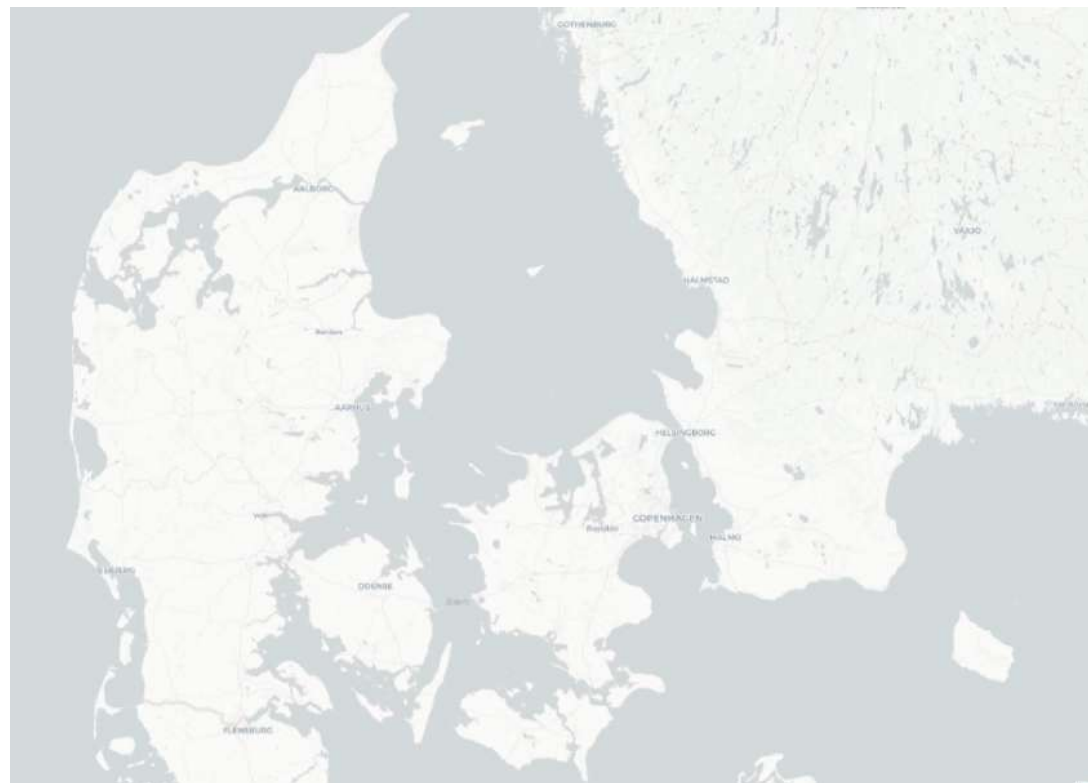
**The Danish PRRS
control programme
2022**

Pigs in Denmark



- 30 mill pigs produced
 - 16.5 mill exported
 - 13.5 mill slaughtered

No pigs imported!

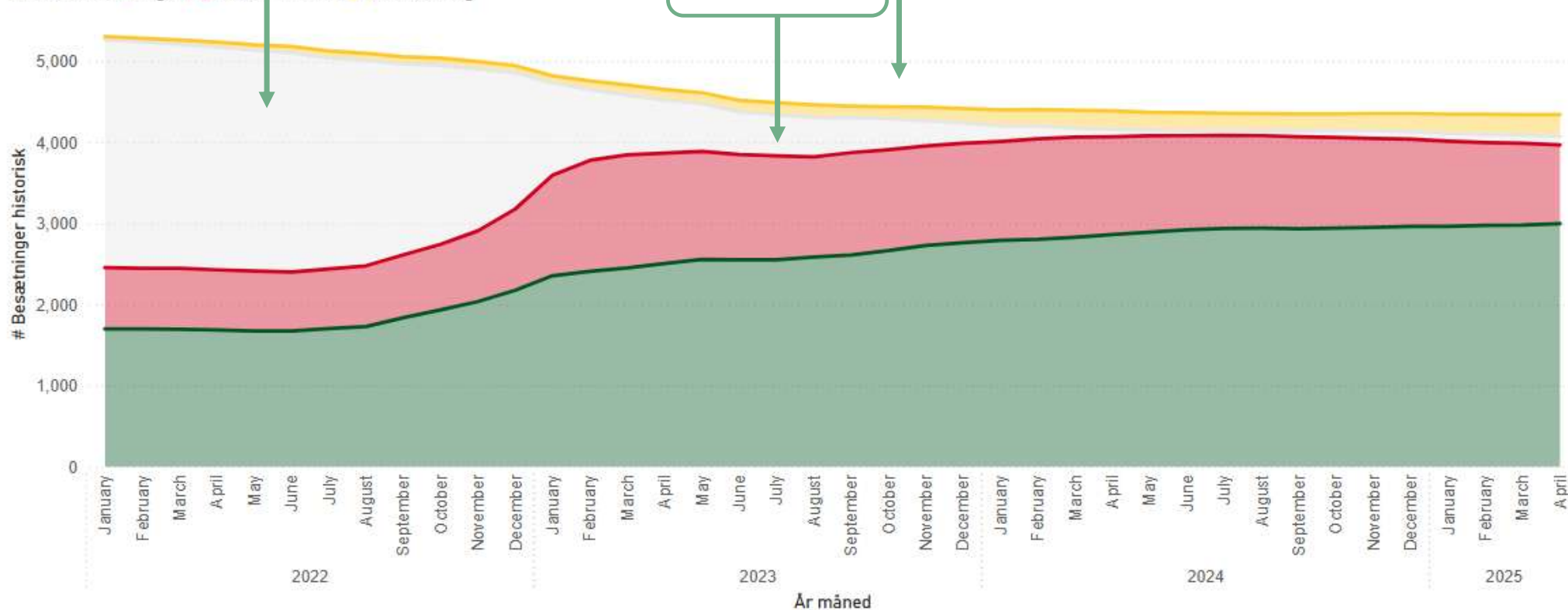


PRRS control
program initiated

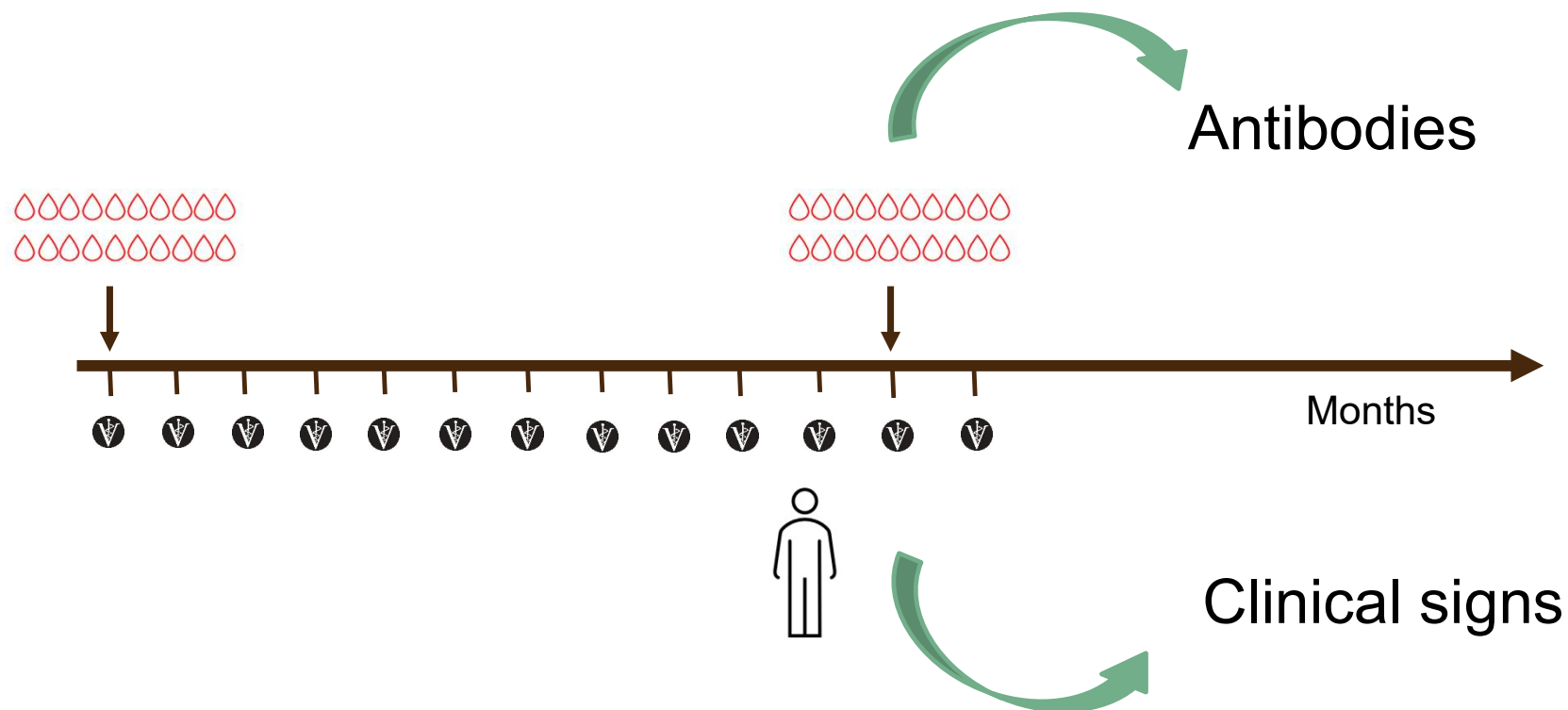
- Mandatory serological PRRS status
- Vet check in PRRS+ farms

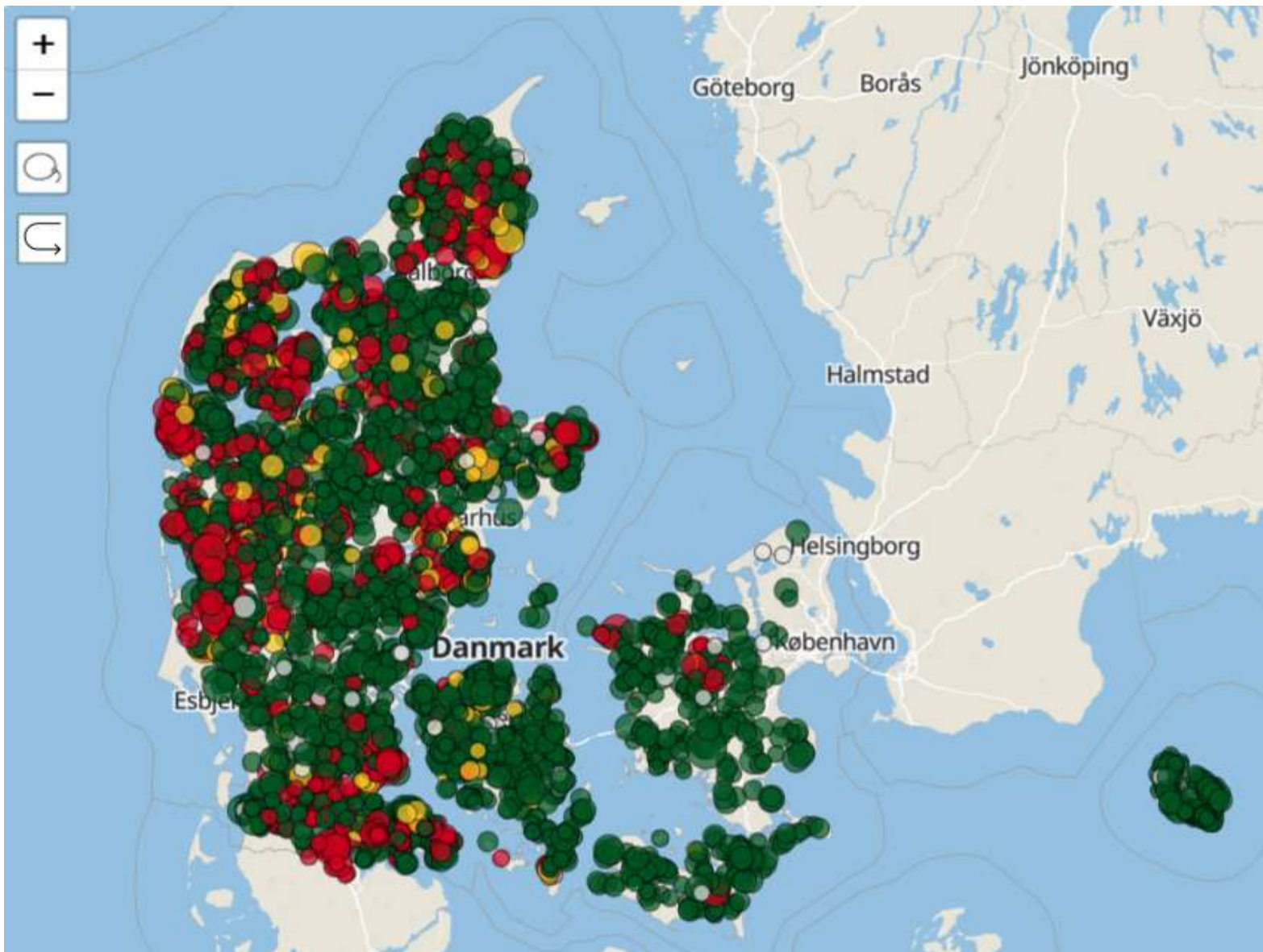
Deduction in
slaughter price

PRRS-status ● Negativ ● Positiv ■ Ukendt ■ Under sanering



Surveillance – PRRS status

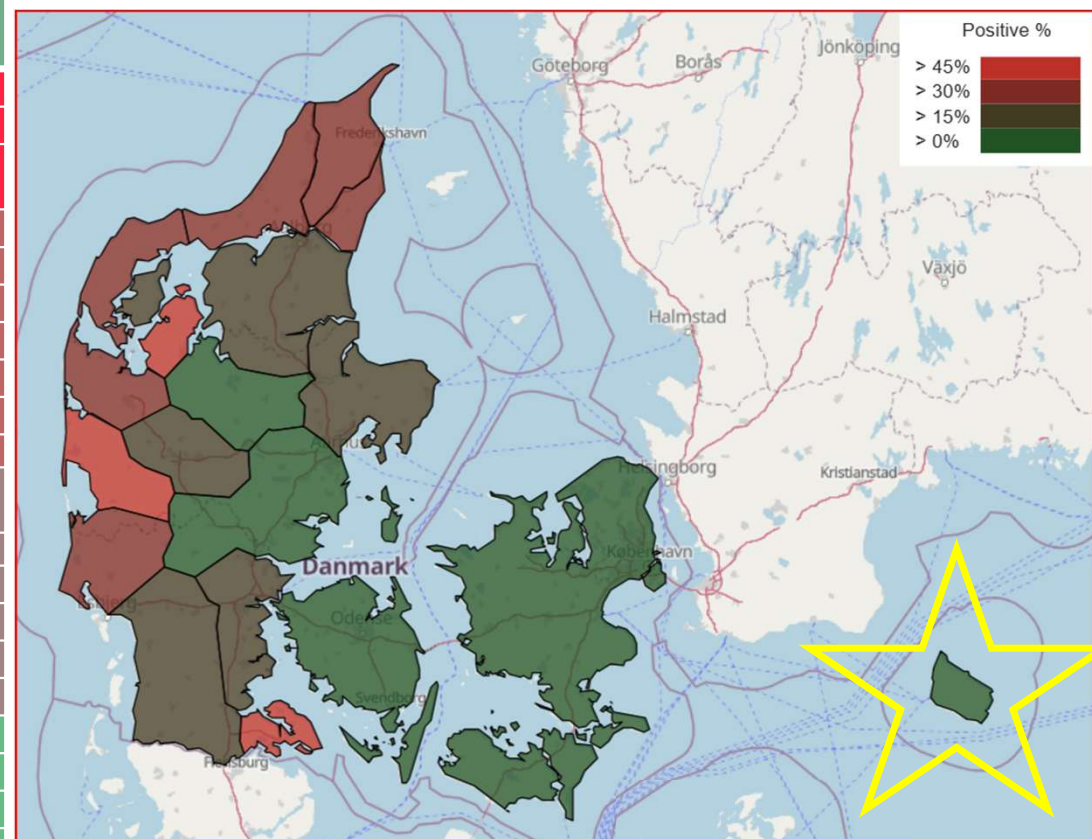






Regional udbredelse af PRRS maj 2025

Region	Antal besætninger	Positive sohold	% positive besætninger
Salling	122	18	63%
Sundeved/Als	188	23	48%
Ringkøbing/Skjern	179	25	46%
Vest-Vendsyssel	151	12	38%
Varde	105	12	39%
Øst-Vendsyssel	82	8	32%
Lemvig	177	15	32%
Midt-Vendsyssel	227	20	32%
Herning/Videbæk	170	14	29%
Thy	160	12	31%
Vest-Sønderjylland	319	20	27%
Haderslev	229	20	25%
Mors	113	12	26%
Djursland	256	12	18%
Østjylland	356	12	15%
Himmerland	299	19	16%
Viborg	183	6	9%
Østlige Øer	376	7	5%
Fyn	458	2	2%
Bornholm	102	0	0%
Samsø	6	0	0%
I alt		272	23%

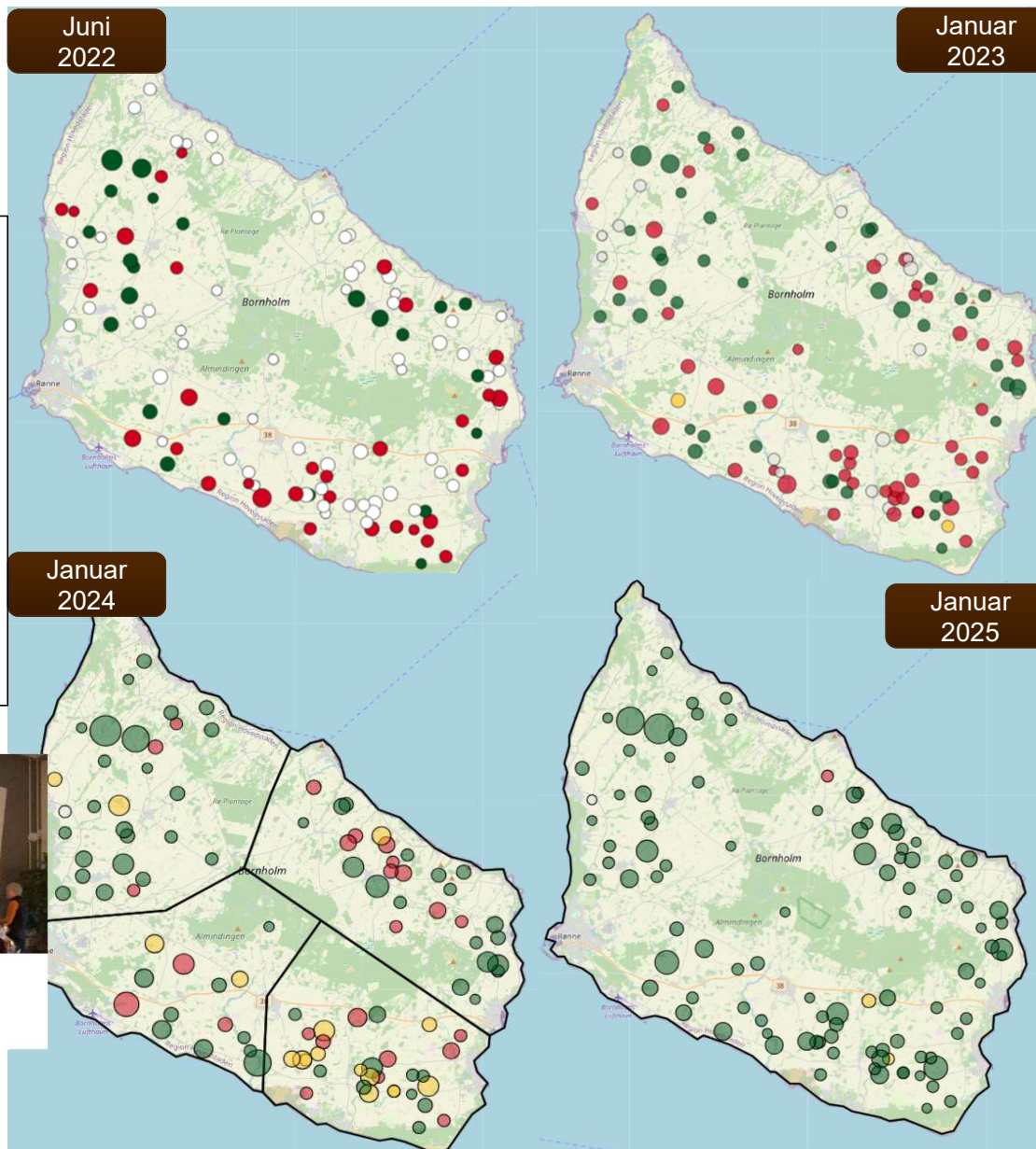
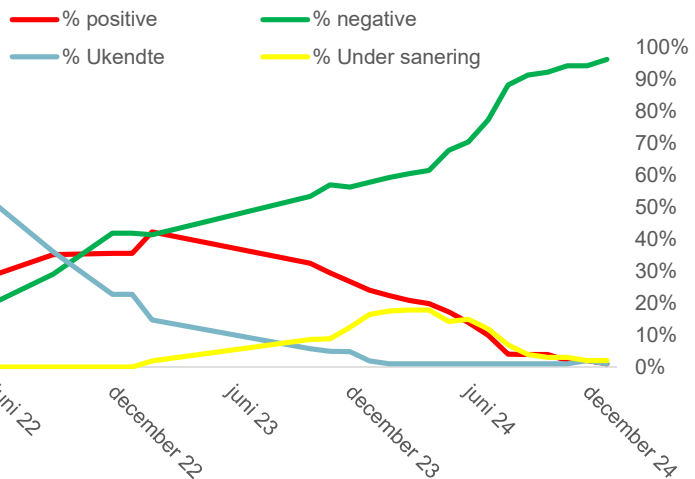


Slides from Nicolai Weber,
Danish Agriculture & Food Council



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Bornholm



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28. FEBRUAR 2025 | OPDATERET/GENNEMLÆST 6. MARTS 2025
HISTORISK BEDRIFT:
BORNHOLM ER FRI FOR PRRS

Slides from Nicolai Weber,
Danish Agriculture & Food Council

***Cooperation between farmers
was key to succeed with the eradication of PRRS
on the island of Bornholm***



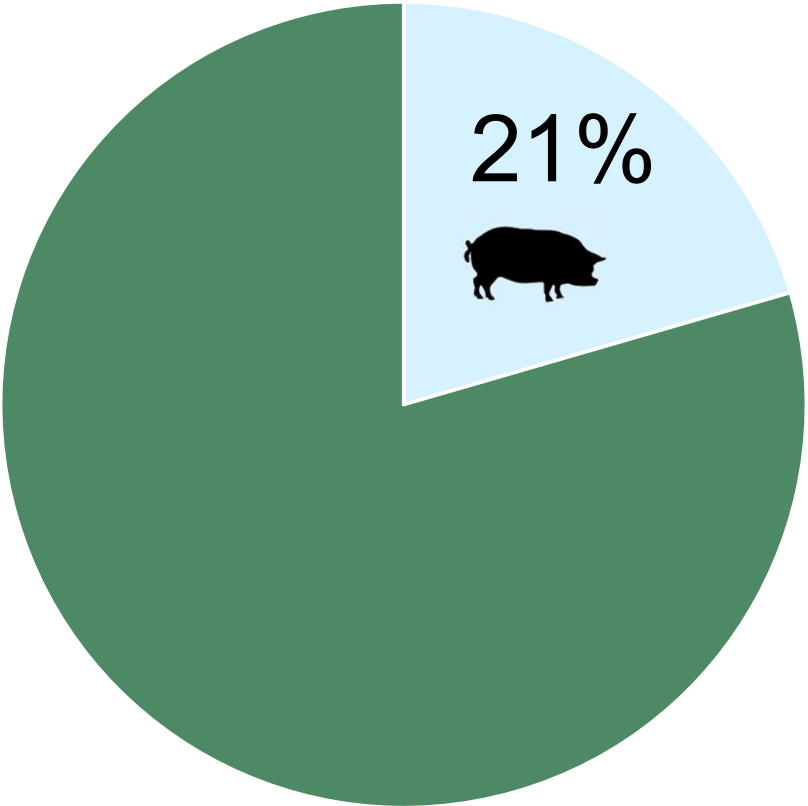
**New
PRRS cases**

New PRRS cases in 2023

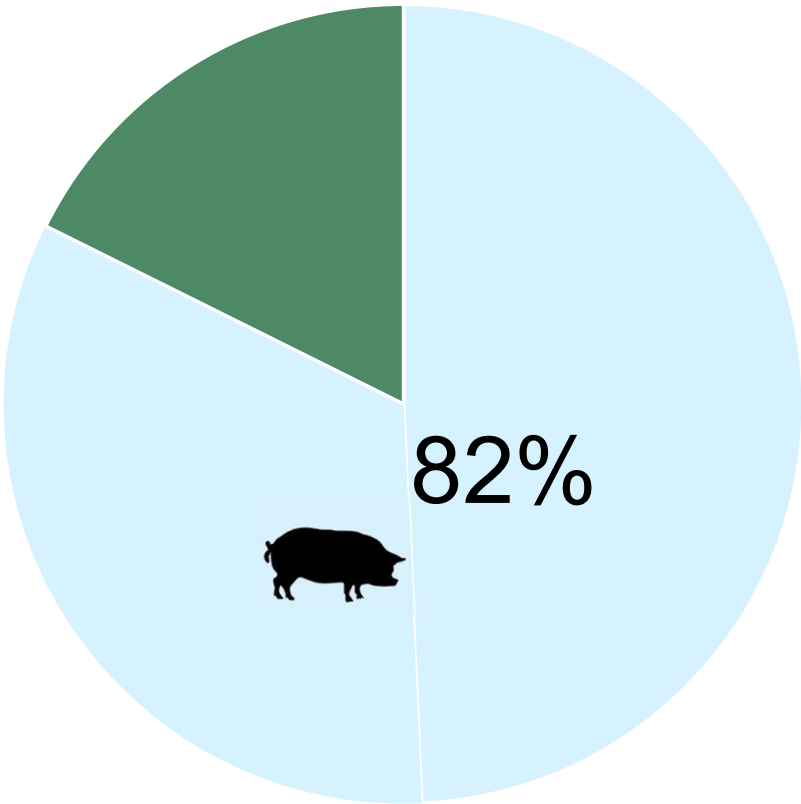
- Sow farms – 39 cases/788 farms – 6% incidence
- Weaner and finisher farms – 136 cases/1,151 farms – 12% incidence

Causes of infection – 2023 cases

Sows (N=39)



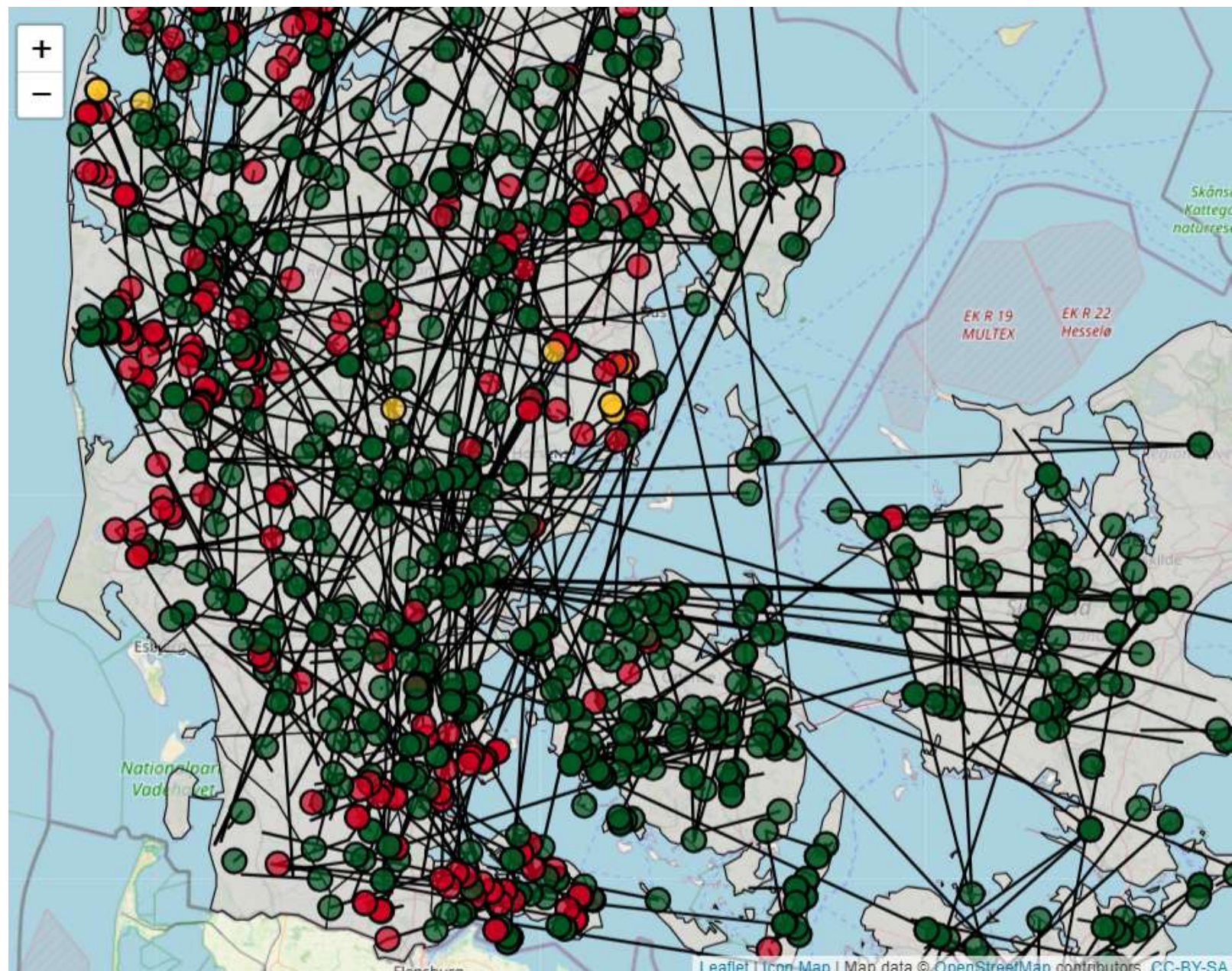
Weaner- and Finisher farms (N=136)



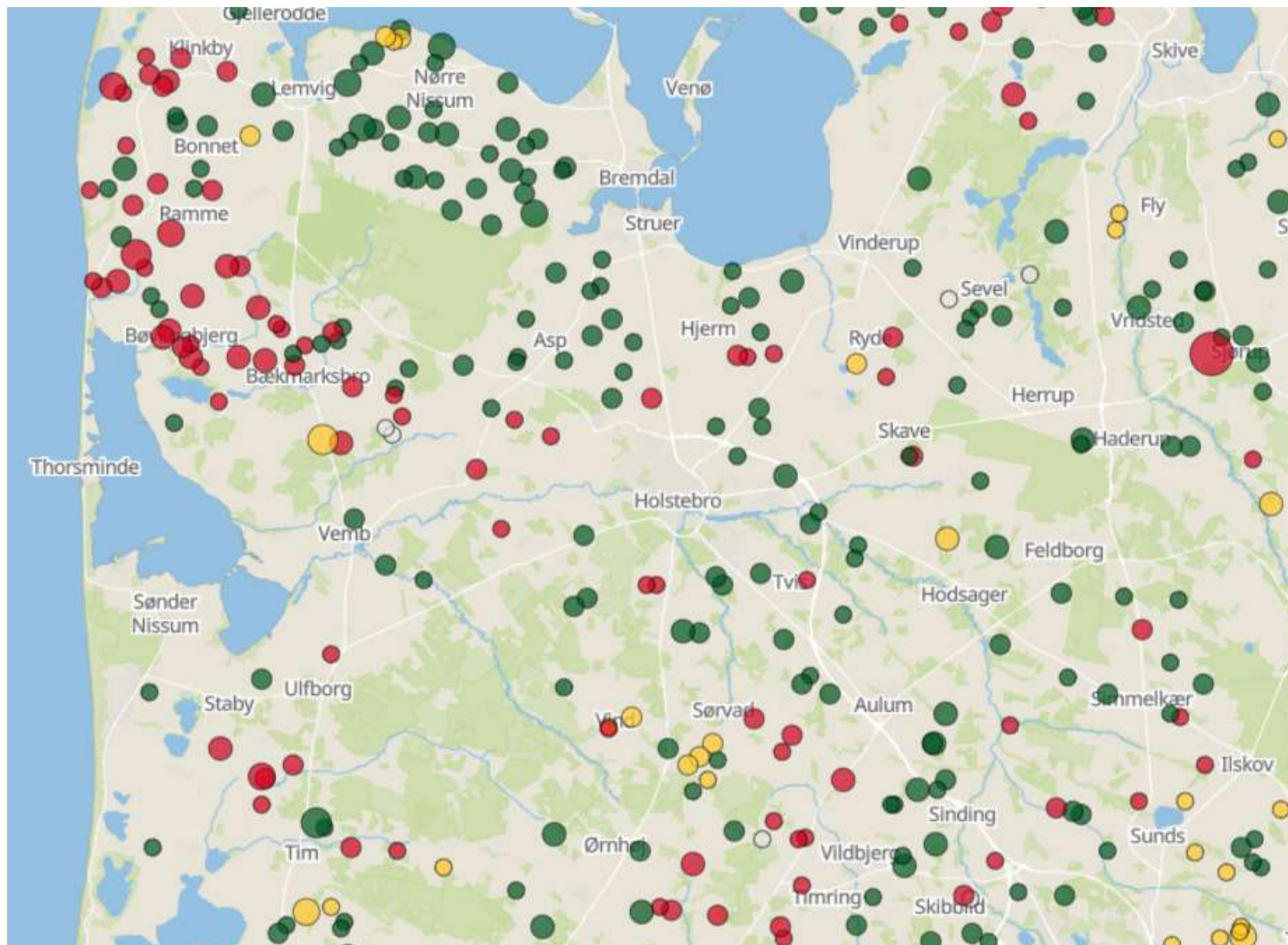
Trucks

300.000
movements of live
pigs in 2023

Movements from
2 weeks →



Distance to PRRS-positive neighbors



4 times higher risk for sow farms becoming PRRS-positive if neighbors were located within 5 km radius, compared to no neighbors

Movement of pigs and PRRS positive neighbors

***Know the PRRS status of pigs which are moved
Cooperate with neighbours***



**PRRS Eradications
on sow farms**

PRRS eradication on Danish sow farms

Partial depopulation

- Load
- Close
- Homogenize
- McRebel
- AASV guidelines

1 year or more
Continued production

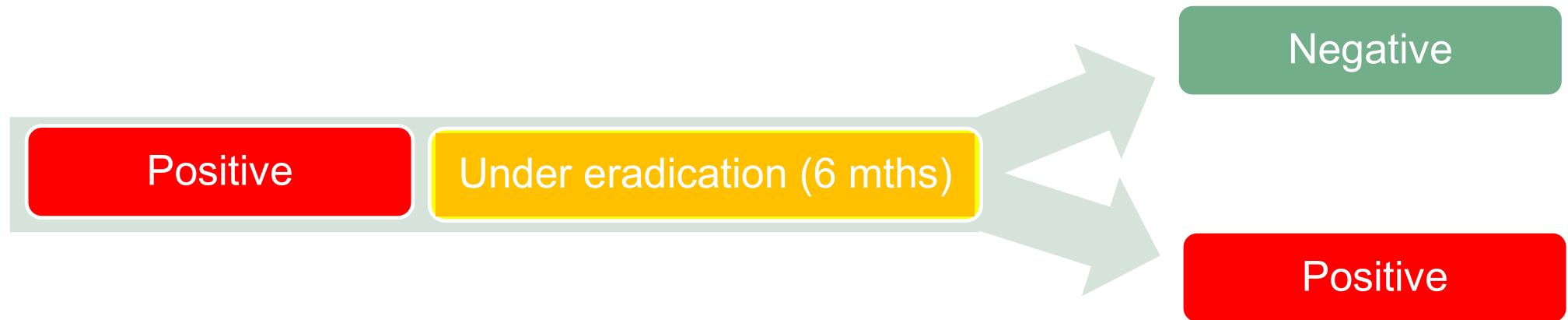
Total depop / repop

- All pigs removed
- Clean and disinfect
- Downtime (min 7 days)
- Seronegative gilts introduced

2 weeks
Discontinued production - expensive

PRRS eradication on Danish sow farms

Jan 2020 – Mar 2024



PRRS eradication on Danish sow farms



	Sum	PRRS1	PRRS2	PRRS1+PRRS2
All eradication	207	99	71	37
Partial eradication	159 (76.8%)	82 (82.8%)	53 (74.6%)	24 (64.9%)
Depop / repop	48 (23.2%)	17 (17.2%)	18 (25.4%)	13 (35.1%)

Successful partial PRRS eradication – PRRS1

	Sum	PRRS1	PRRS2	PRRS1+PRRS2
All eradication	207	99	71	37
Partial eradication	159	82	53	24
Depop / repop	48	17	18	13



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Succesrate		89%	81%	



Successful partial PRRS eradications – PRRS1

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Succesrate		89%	81%	58%



Successful partial PRRS eradications – PRRS1

	Sum	PRRS1	PRRS2	PRRS1+PRRS2
All eradications	207	99	71	37
Partial eradications	159	82	53	24
Depop / repop	48	17	18	13
Succesrate	82%	89%	81%	58%



Antimicrobial prescriptions for sows before and after a PRRS eradication



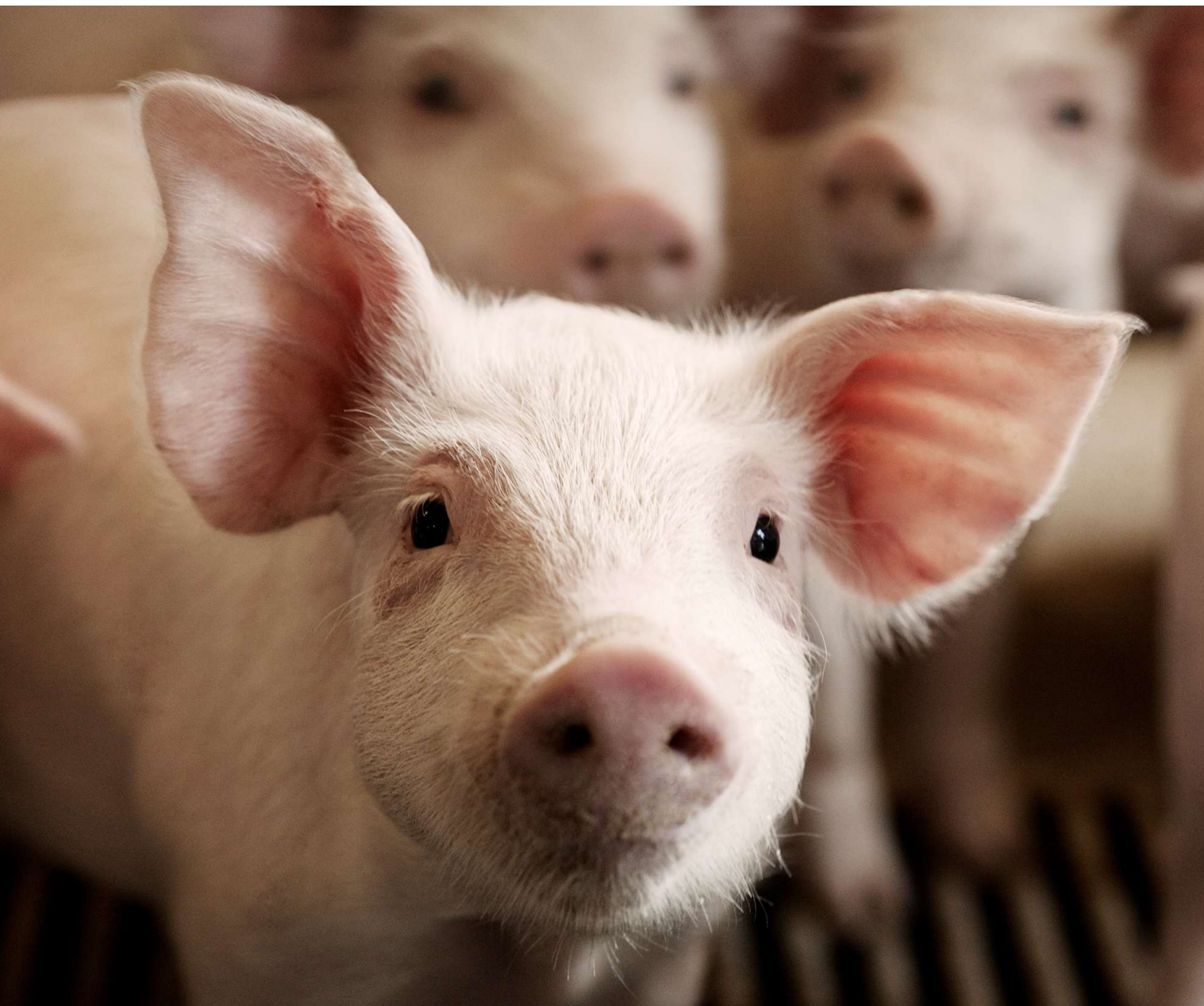
Total amount of AMU prescribed	2,34 [0,03:10,72] (n= 161) ⁵	2,15 [0,04:10,34] (n= 148) ⁶
10 – Reproduction	0,48 [0:1,55] (n = 120)	0,40* [0,01:1,23] (n= 120)
11 – Udder	0,49 [0:1,34] (n= 68)	0,36 [0,01:1,67] (n= 68)
12 – Gastrointestinal disorders	0,17 [0:6,61] (n= 139)	0,13* [0:1,32] (n= 128)
13 – Respiratory disorders	0,34 [0:8,48] (n= 110)	0,38 [0,01:3,73] (n= 113)
14 – Joints, limbs, hoofs, CNS, skin	1,12 [0,01:2,92] (n= 161)	0,99* [0:2,72] (n= 159)
15 - Metabolic and circulatory disorders	0,02 [0,01:1] (n= 5)	0,12 [0:0,3] (n= 9)

Significant reduction in antimicrobials prescribed for sows in PRRS eradicated farms

***On-farm eradicaions of
PRRS need strict
compliance to succeed***

Learnings from the Danish PRRS control programme

- *Cooperation between farmers was key to succeed with the eradication of PRRS on the island of Bornholm*
- *Movement of pigs and distance to PRRS positive neighbours are the main causes of new PRRS infections in Denmark → to combat PRRS it is necessary to:*
 - *Know the PRRS status of pigs that are moved*
 - *Cooperate with neighbours*
- *On-farm eradications of PRRS need strict compliance to succeed*



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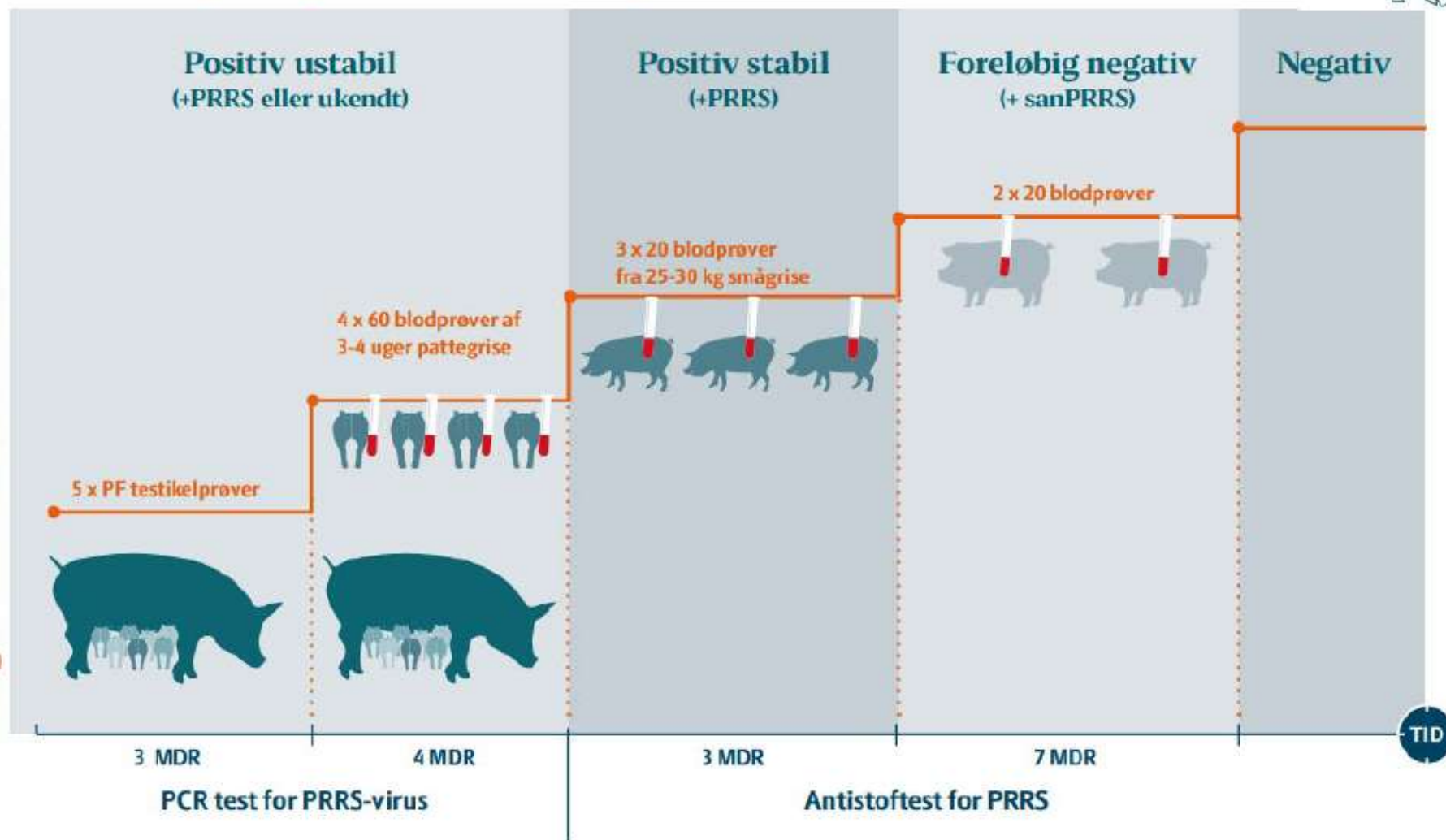
segesinnovation.dk
seges.tv

Overvågning ved sanering for PRRS i sohold

PRRS
TAG HANDLING

National
PRRS
UKTION

Tidligst 3 mdr. efter første massevaccination



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