



Denmark free of PRRS?

How far are we with the PRRS sanitation and what are the goals?

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PRRS: Clinical symptoms

The reproduction syndrome (Sow herds)

Agalactia

Abortions late in gestation/prematurely farrowings

Increase in weak and stillborn piglets

Increase in "return to service" sows

Increased piglet mortality

Secondary disorders frequently observed among piglets

Exudative Epidermitis (*S. Hyicus*)

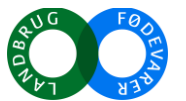
Arthritis

Diarrhea

Meningitis



PRRS infection is caused by an RNA enveloped virus, which was first isolated in the Dutch city of Lelystad in 1991





PRRS: Clinical symptoms

The respiratory syndrome

Often observed in older pigs (grower & finisher phase)

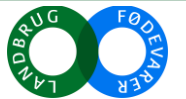
PRRSV viremia - highest concentrations in lymphoid tissues and lungs, affects lung macrophages

As a result, all present infections in the herd can cause problems

- Pneumonia
- Pleuritis
- Meningitis
- Pericarditis
- Arthritis
- Diarrhea



The PRRS virus come in two types:
PRRS1 (European or Danish PRRS)
PRRS2 (American PRRS)
Have being present in Danish pig production fore 30 years



Why fight PRRS at the national level?

-PRRS control = safer pig production



Controlling and reducing the incidence of PRRSV in Denmark

- Fewer economic fluctuations for sow herds in particular
- Lower the risk of PRRSV recombinations into new more virulent variants
- Reduced use of MLV vaccines
- Reduced risk of recombination of vaccine strains
 - Danish case in 2019
- **Area control and eradication initiatives are necessary**





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

Developed in a collaboration between;
Pig farmers: The Danish Agriculture & Food Council
Veterinarians: The Danish Veterinary Association
Authorities: Danish Veterinary and Food Administration
Processors: Association of Swine slaughterhouses

Launched May 2022

SvineVet Årsmøde 2022

Main purpose

- ✓ Improve the health of Danish pigs
- ✓ Reduce antibiotic usage and improve welfare
- ✓ Prevent negative impact on production



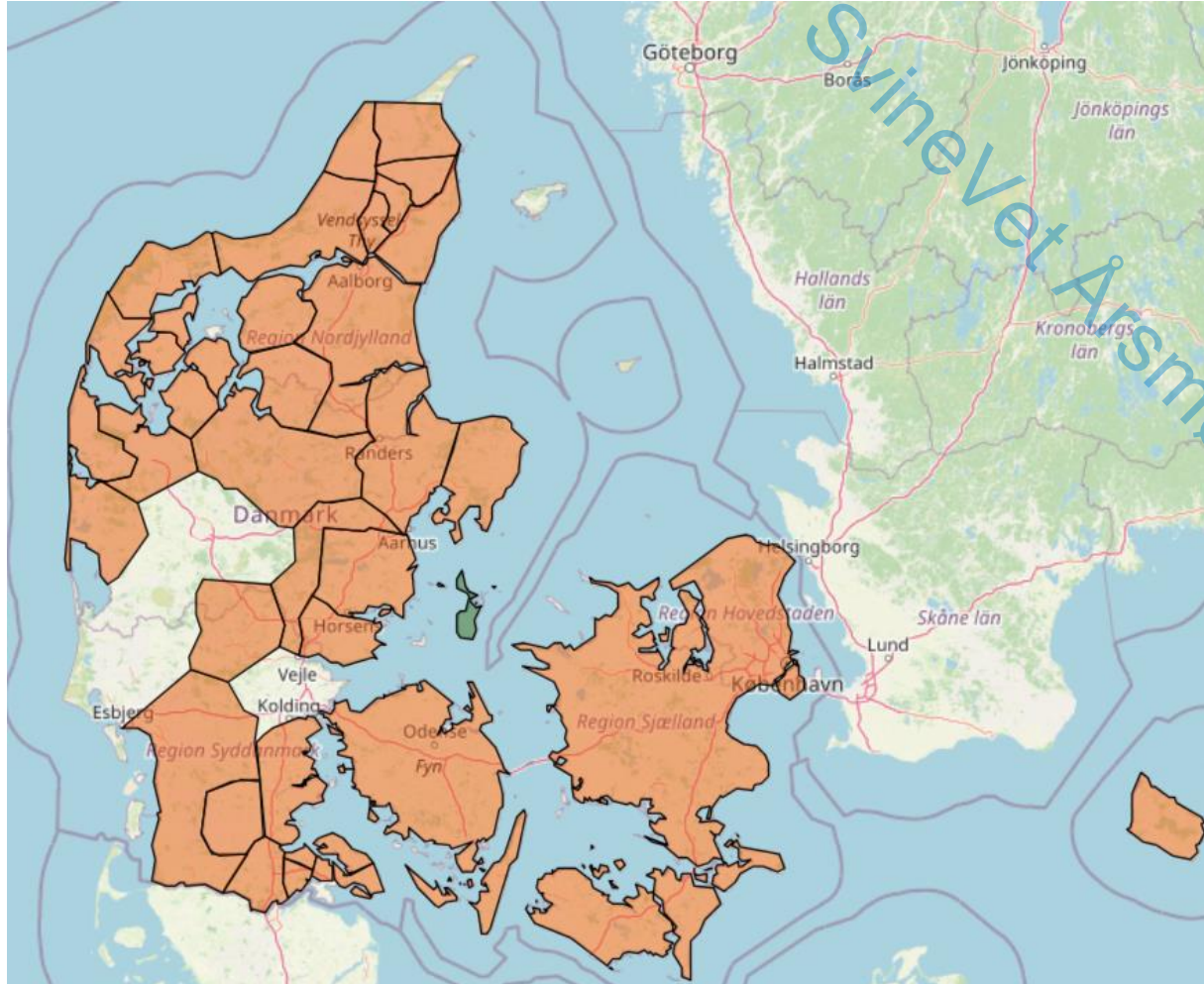


Status – January 2025



Regional eradication programs

January 2025

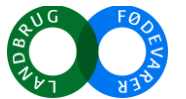
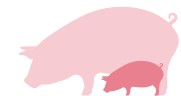


The selection of regions has been driven by local initiative

Includes 89% of the Danish pig herds

Local PRRS leadership

Partnership - Consultant & Practitioner

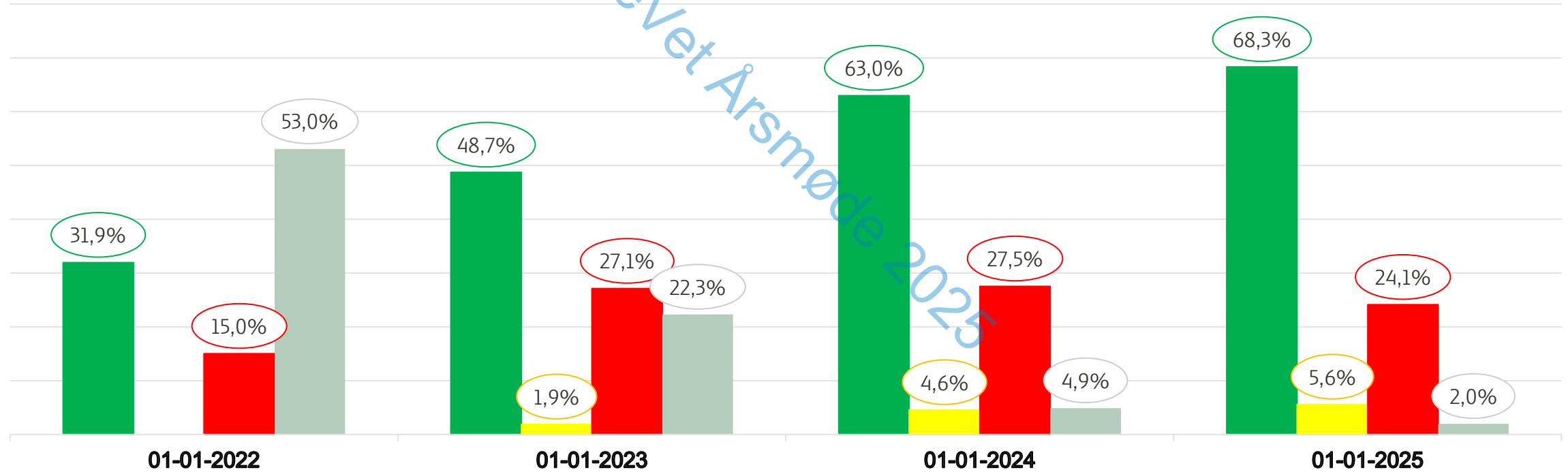


PRRS serological status

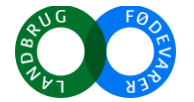
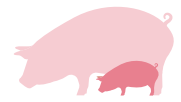
All herds



■ Negative ■ Under eradication ■ Positive ■ Unknown



SvineVet Årsmøde 2025



Goals



	Starting point 2022	January 2025	Goals 2025
Proportion of finishers declared seronegative for PRRSV at slaughter	22,5%	66,6%	75%
Proportion of sow herds declared seronegative for PRRSV	53,6%	72,2%	85%



PRRS infection Sow herds 2024

sow herds

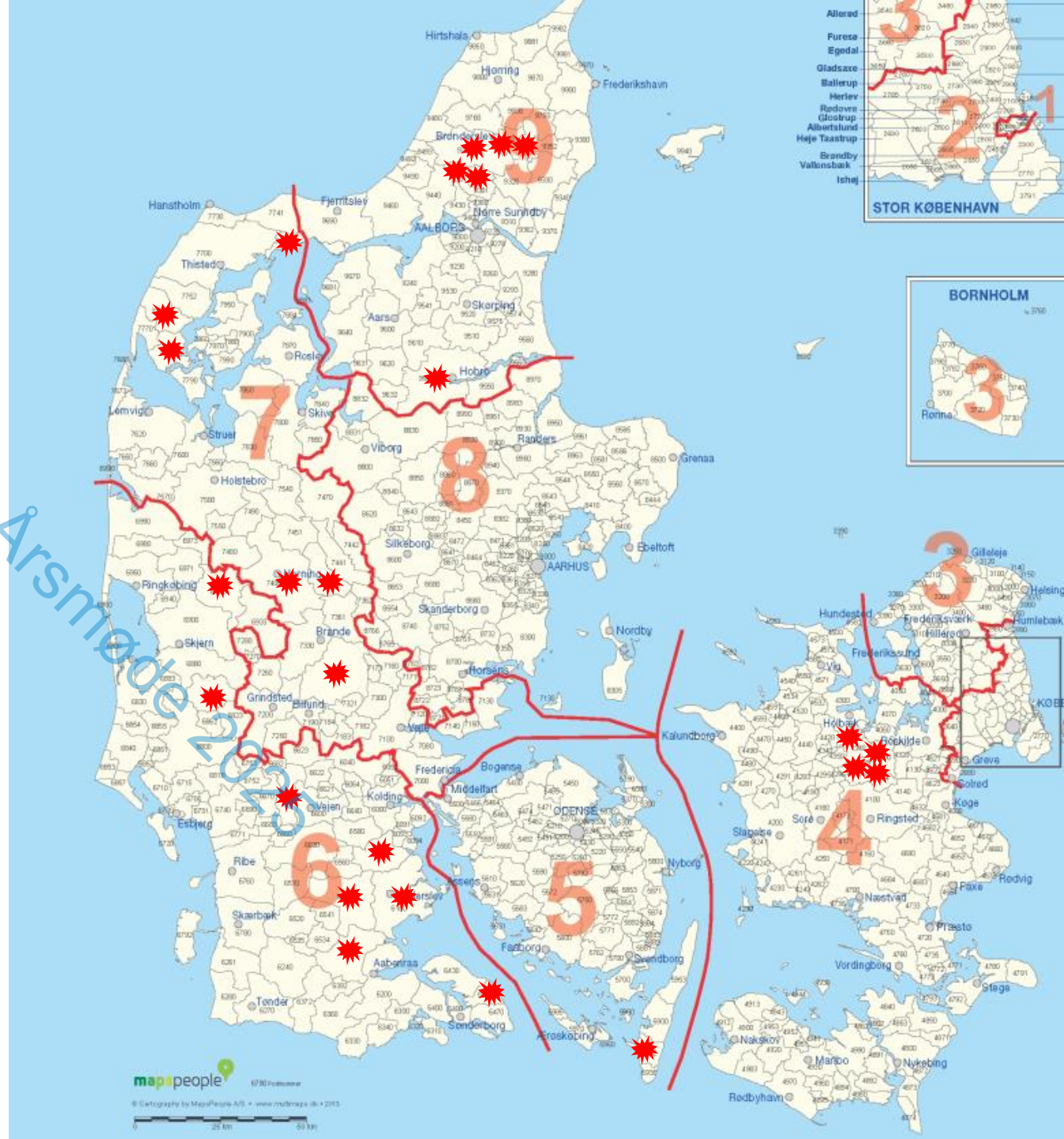
Serum samples 19

Clinical signs 7

Total 2024 26

Large areas with no cases of infection

Sow herds still being infected
– but the risk is going down





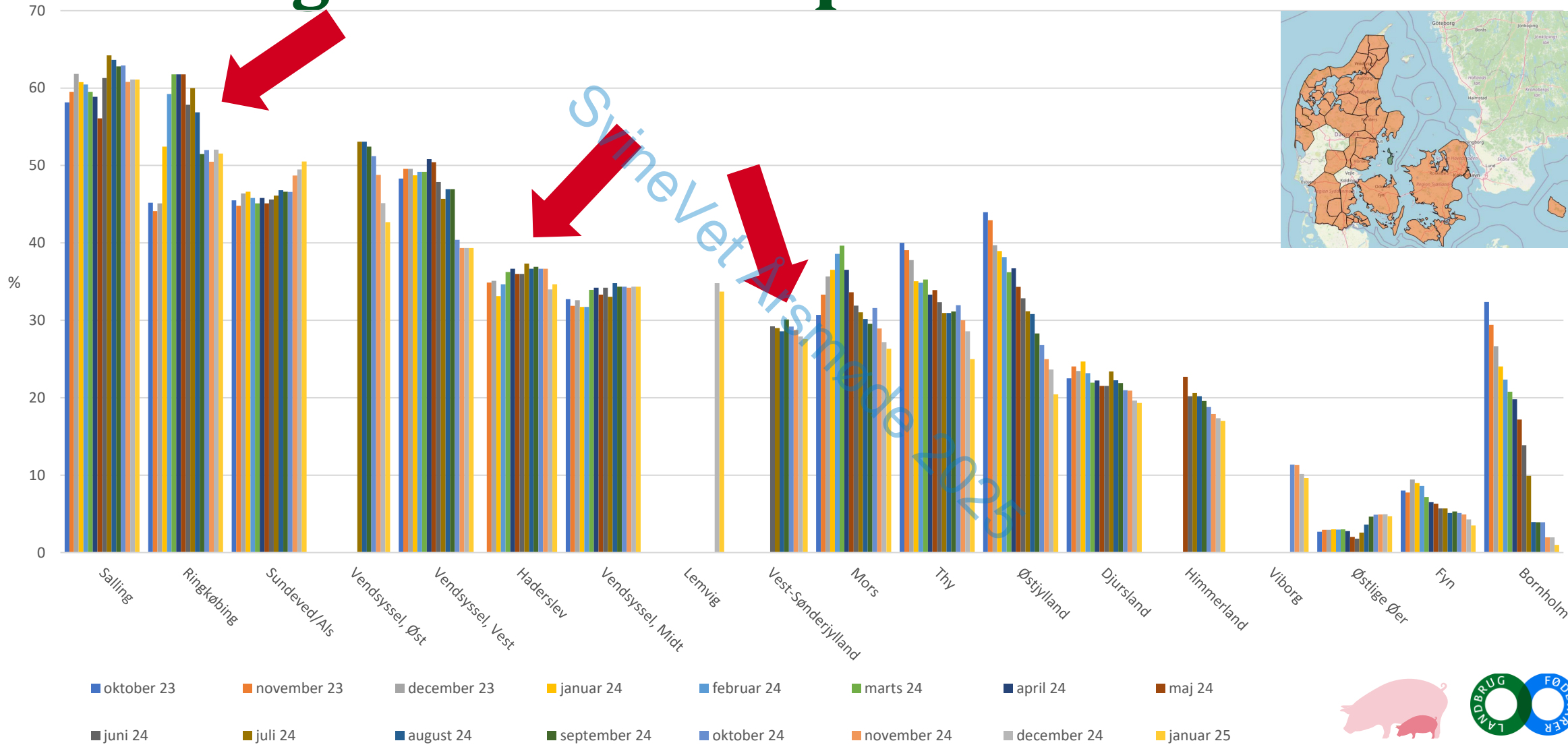
Risk of PRRS infection – sow herds - It's still going the right way!

Year	Sow herds infected by PRRS	Total number of negative sow herds	Risk of infection
2020	63	920	6,8%
2021	55	887	6,2%
2022	48	891	5,4%
2023	32	874	3,7%
2024	26	912	2,9%*





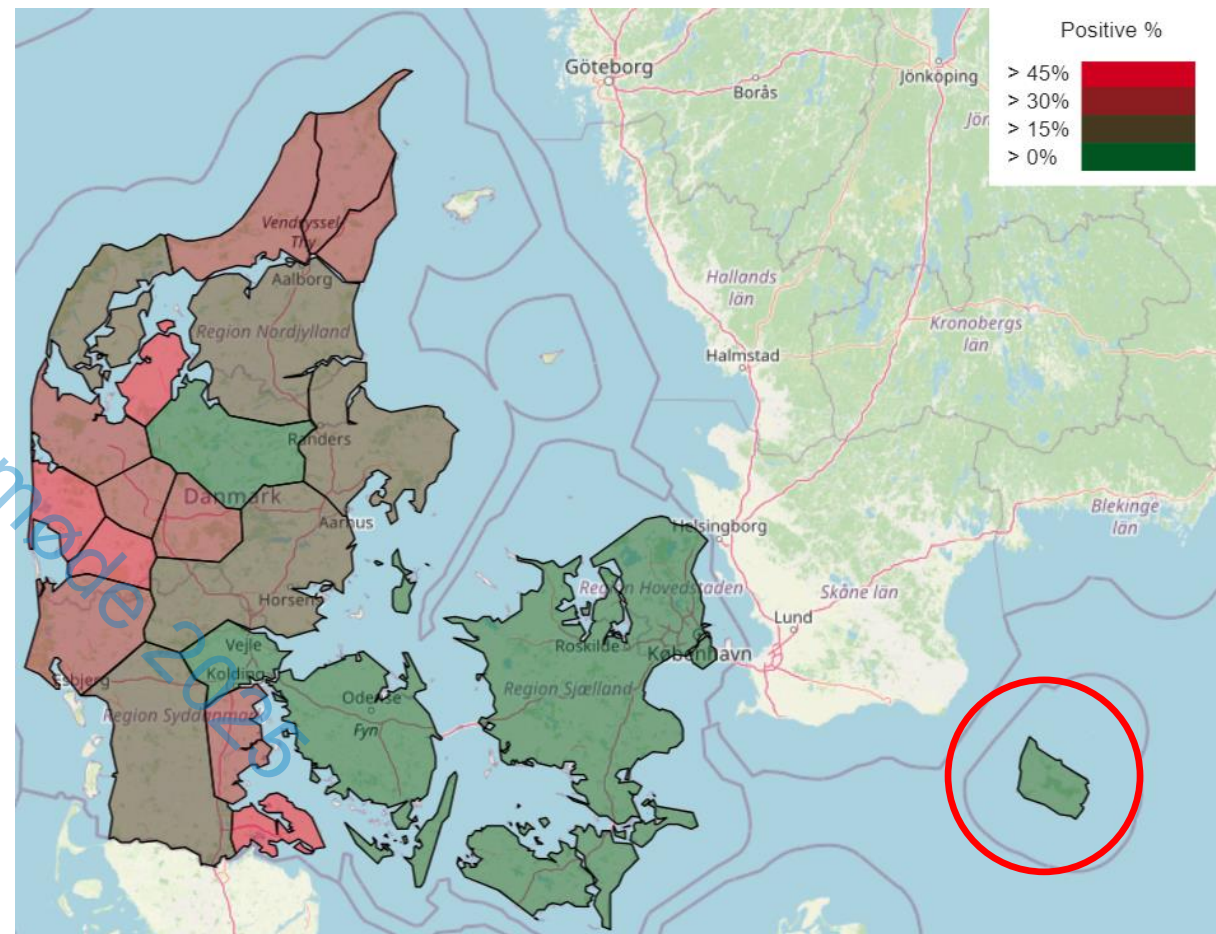
PRRS regions -% PRRS positive herds





PRRS prevalence regions, january-25

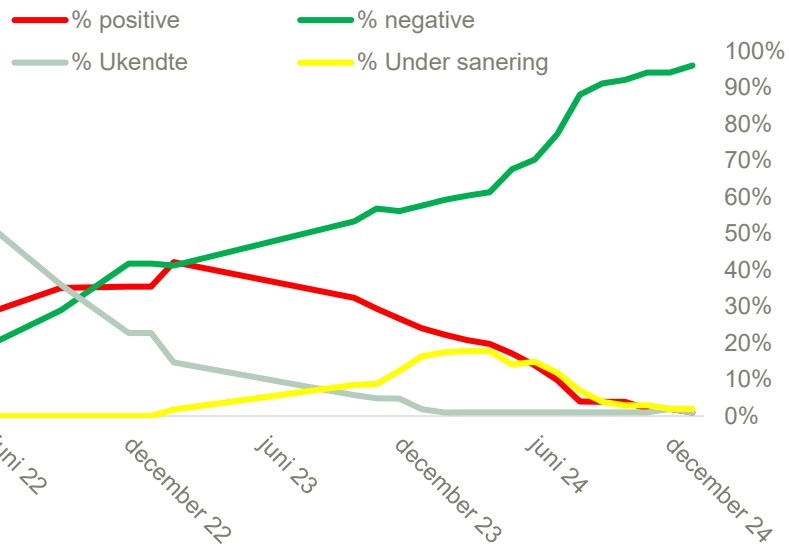
Region	# herds	Positive sow herds	% positive herds
Salling	126	19	61%
Skjern	84	14	54%
Ringkøbing	97	14	52%
Sundeved/Als	190	24	51%
Øst-Vendsyssel	82	8	43%
Vest-Vendsyssel	150	14	39%
Varde	105	11	38%
Videbæk	97	9	36%
Haderslev	150	21	35%
Midt-Vendsyssel	227	20	34%
Lemvig	181	18	34%
Herning	75	6	32%
Vest-Sønderjylland	319	20	28%
Mors	114	12	26%
Thy	168	13	25%
Østjylland	357	13	20%
Djursland	264	13	19%
Himmerland	294	18	17%
Viborg	187	7	10%
Trekanten	83	1	5%
Østlige Øer	384	5	5%
Fyn	465	4	3%
Bornholm	102	0	1%
Samsø	6	0	0%
I alt		284	



Svineværet
Årsmøde 2023



Bornholm

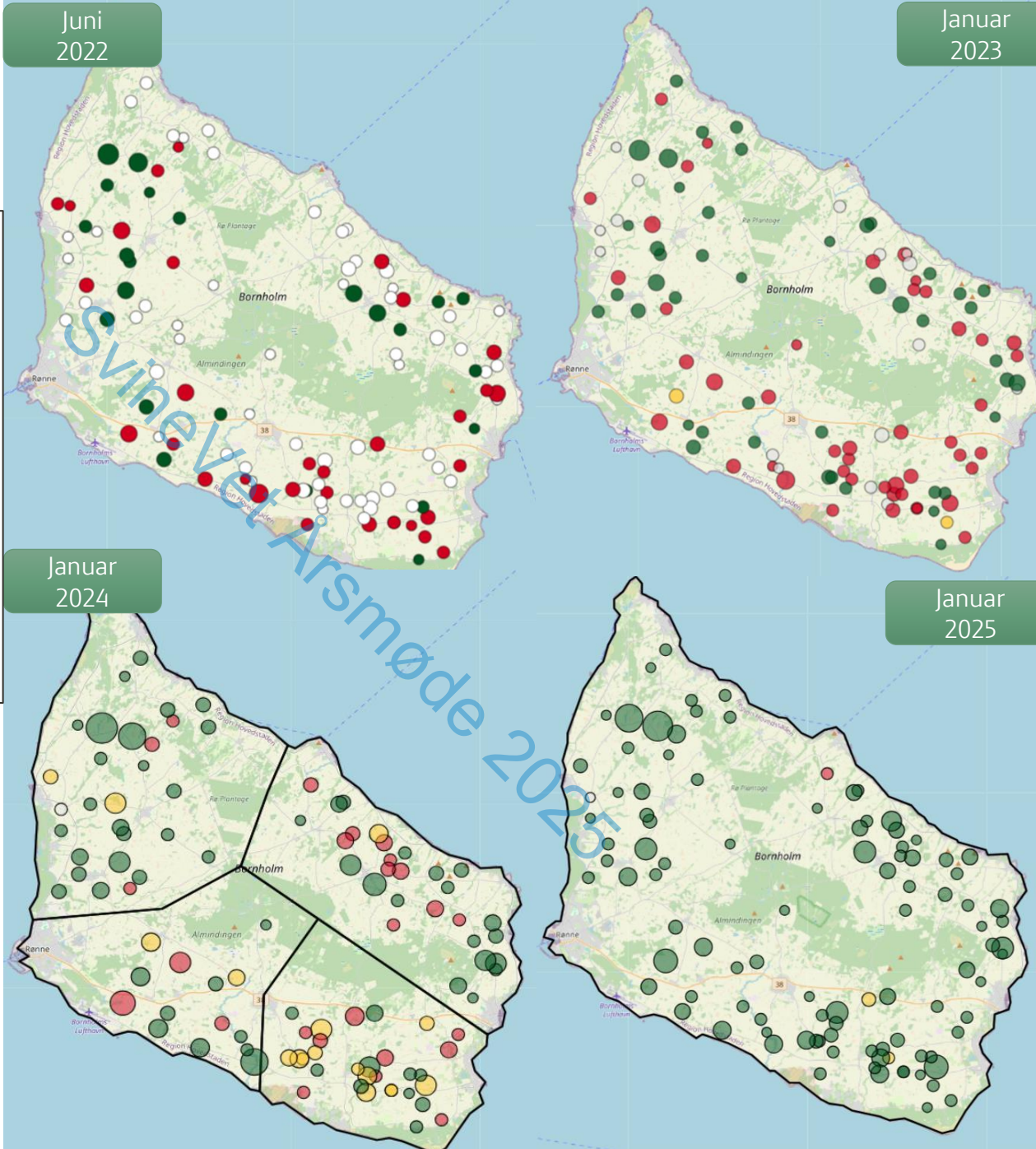


Eradications – Sow herds

Spring 2022 - 17 out of 26 sow herds PRRS positive

Autumn 2024 - 23 sow herds all free from PRRS

7 total- and 10 partial eradication programs completed

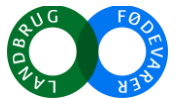
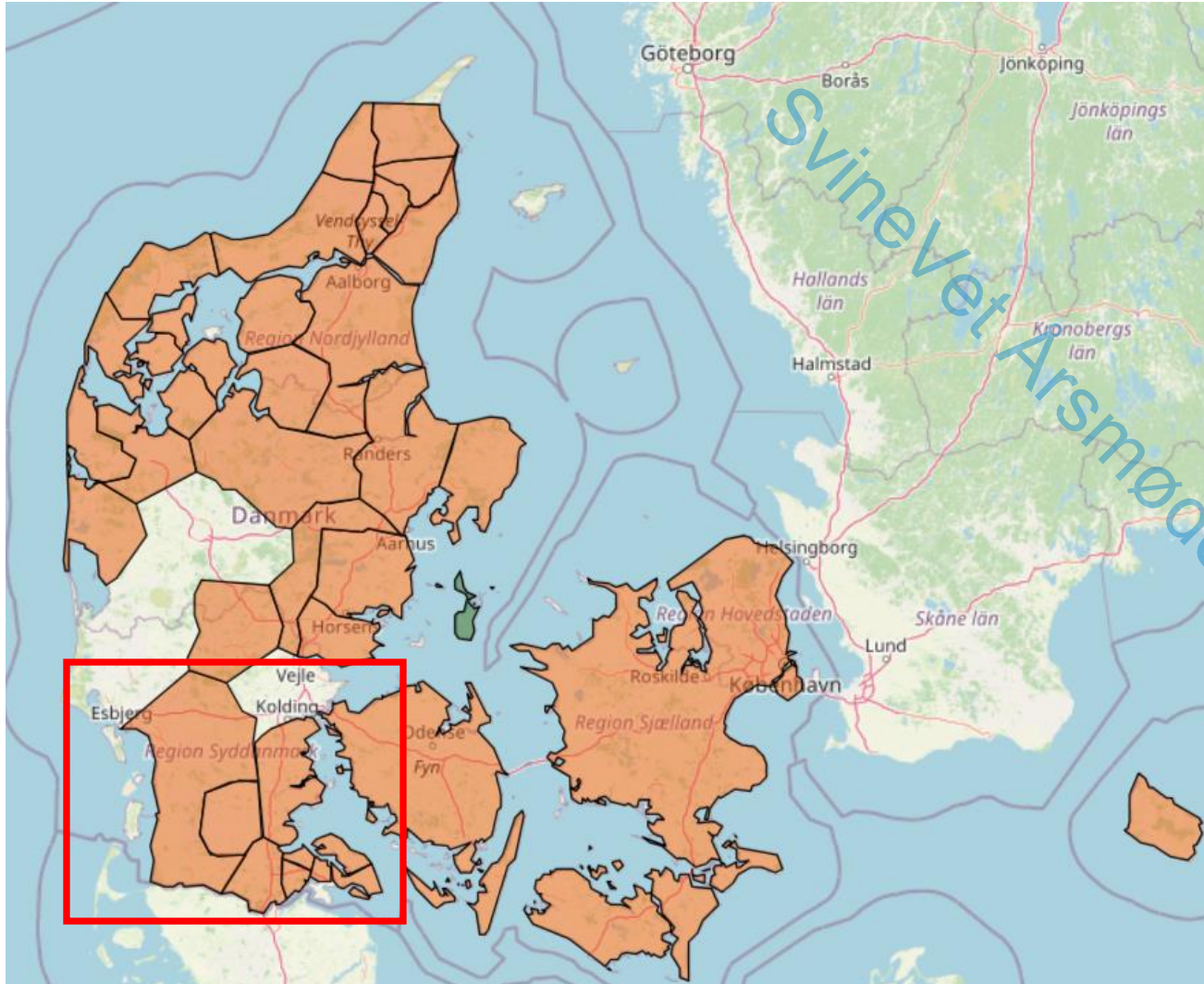


National
PRRS
REDUKTION





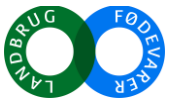
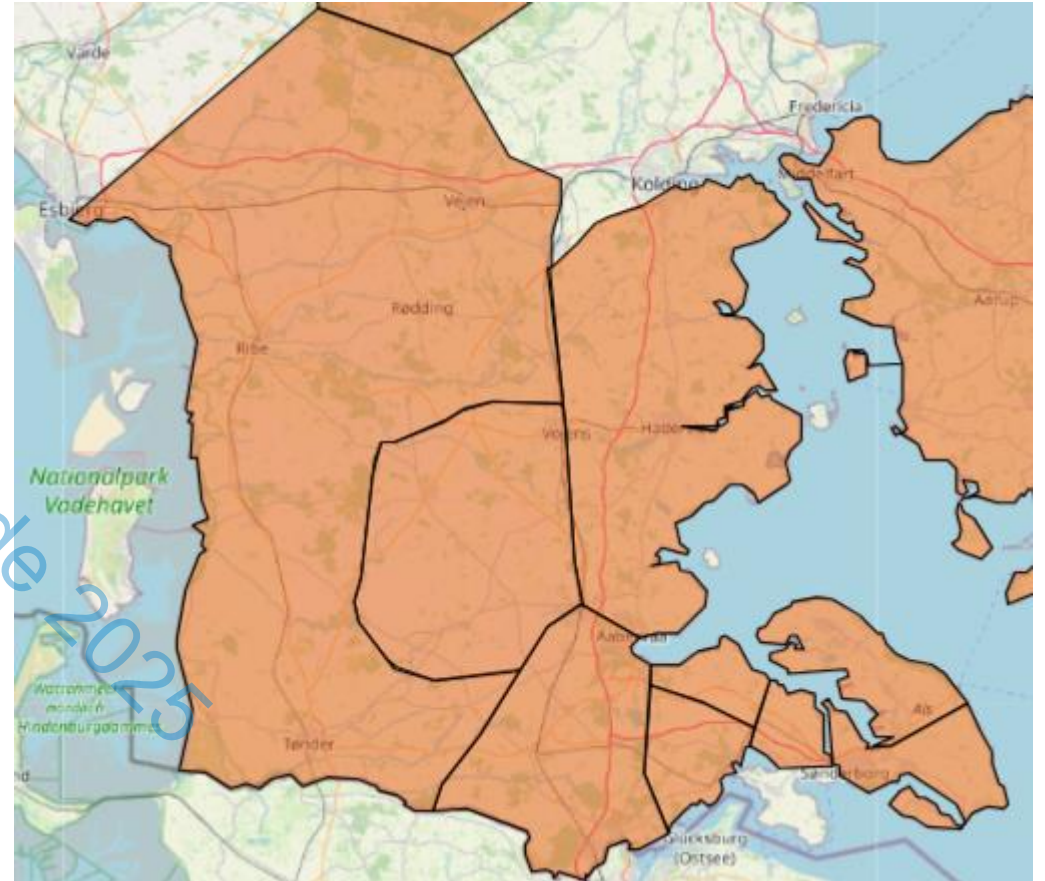
PRRS reduction - Sønderjylland





PRRS reduktion - Sønderjylland

- **Haderslev**
- **Sundeved/Als**
 - 3 saneringsområder Sundeved
 - 2 saneringsområder Als
- **Vest-Sønderjylland**
 - Saneringsområde Tinglev
 - Saneringsområde Agerskov

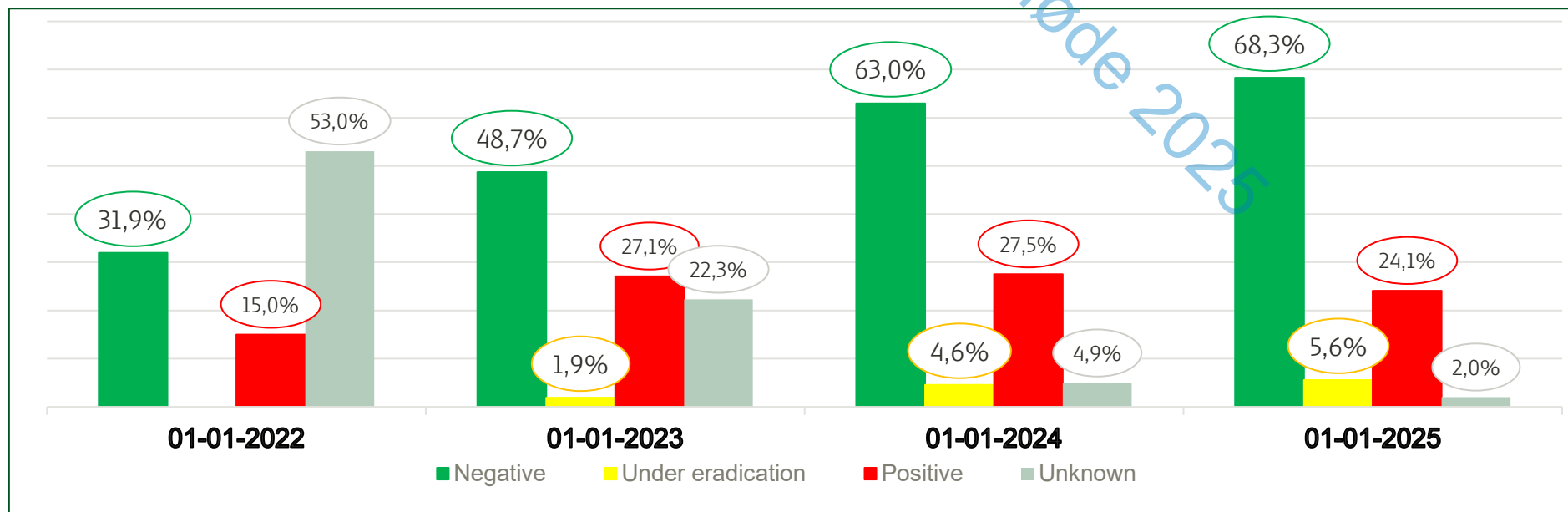




Danish PRRS reduction strategy

- A united pig sector have set the goals – and we are off to a good start
- New PRRS initiatives works – Many regional eradication programs started
- Conditions for a national reduction program are excellent in Denmark
- PRRS seropositive herds is being reduced significantly

Svineveterinær Årsmøde 2025





Questions?

SygeVet Årsmøde 2025

