

Ministry of Agriculture

Update on African swine fever situation in Hungary

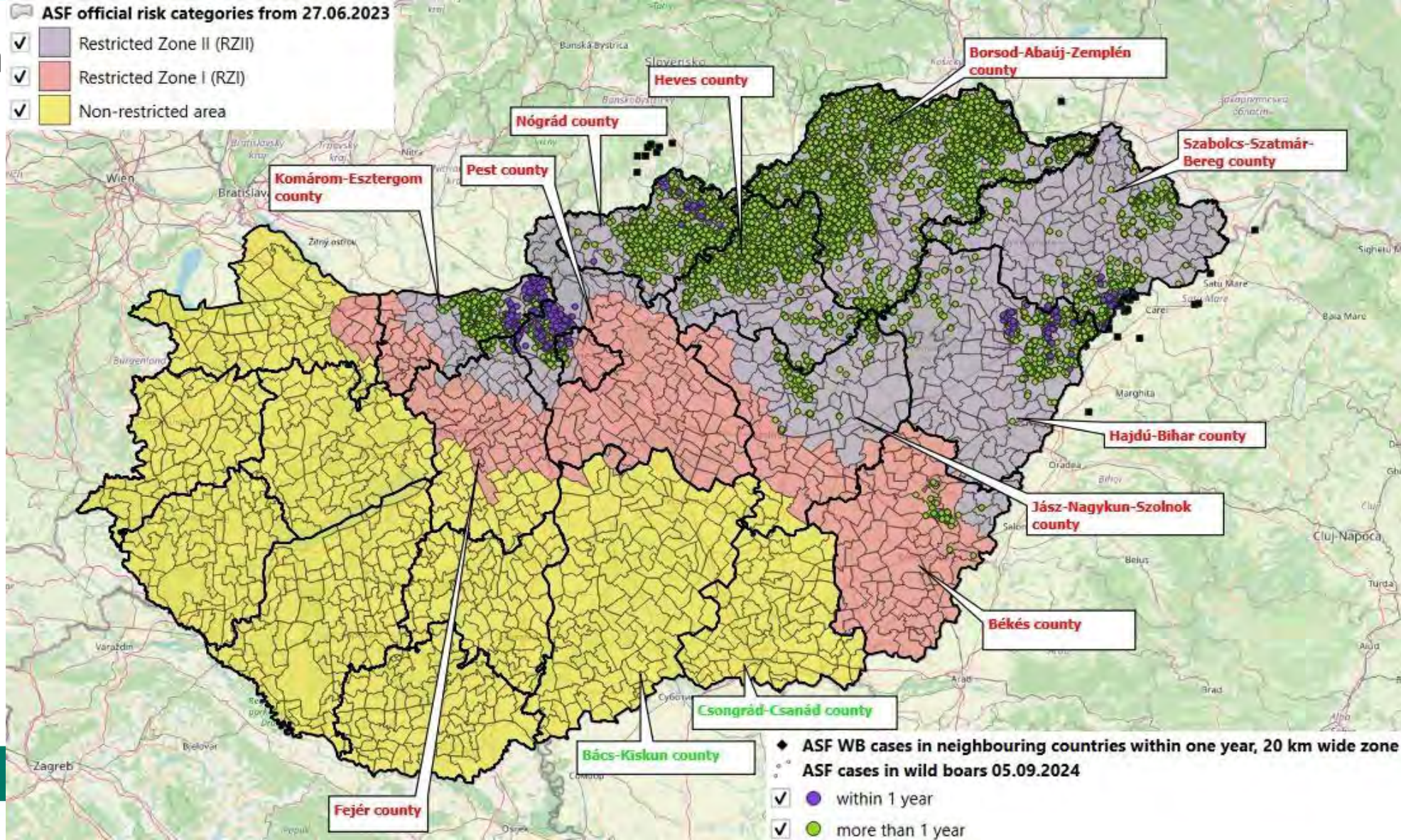


Meeting of the Standing Committee of Plants, Animals Food and Feed
20.09.2024.



Current situation (all cases/1y)

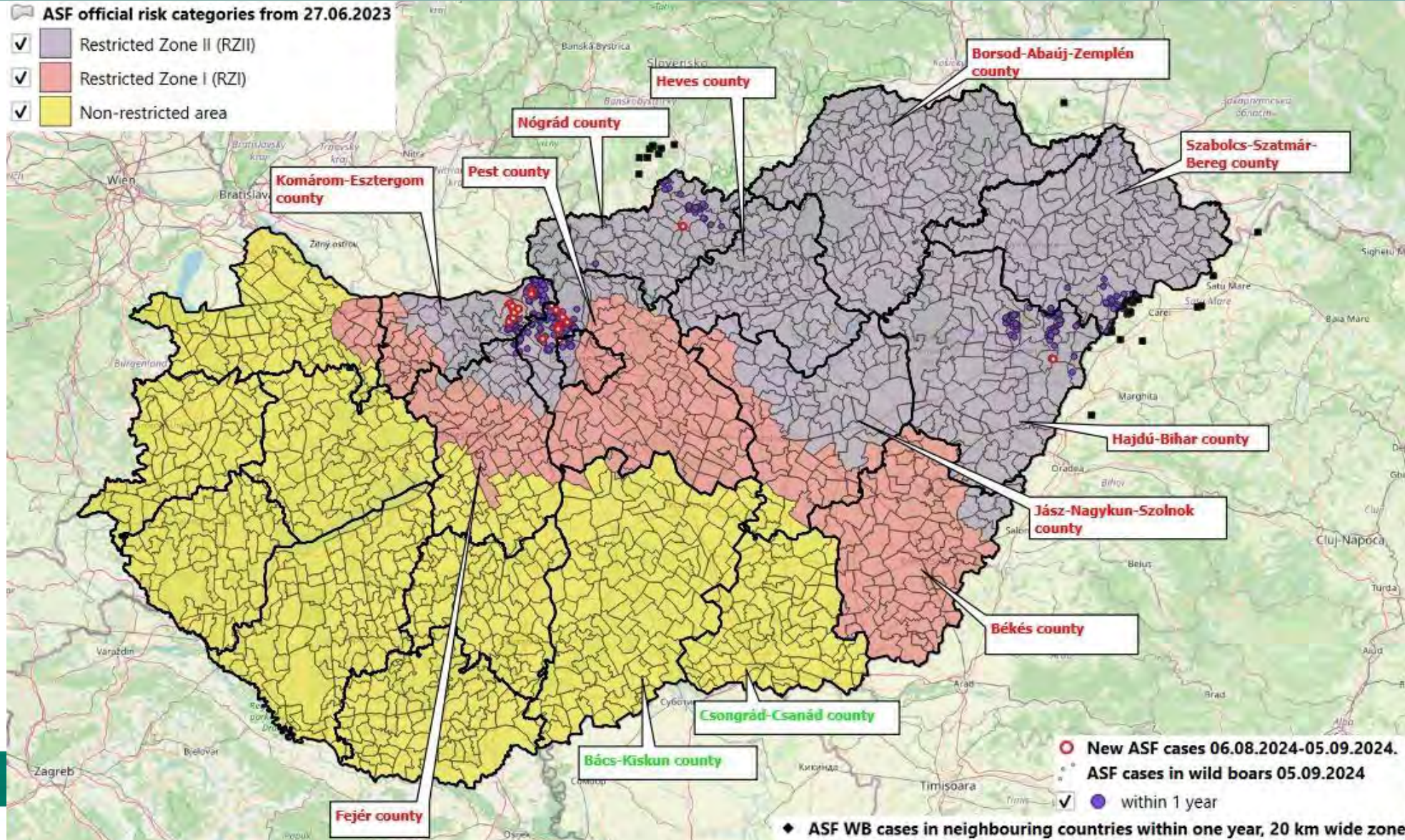
Wild boar





Current situation (1y/1mo)

Wild boar
HU+20 km





Affected counties

First and last cases

County (in order of confirmation)	First case		Last case	
	Date	Category	Date	Category
Heves	21.04.2018.	Found dead	11.05.2023.	Found dead
Szabolcs-Sz-B	16.05.2018.	Found dead	---	---
Borsod-A-Z	02.10.2018.	Shot (decrease pop.)	03.07.2023.	Found dead
Nógrád	28.10.2018.	Found dead	---	---
Hajdú-Bihar	29.04.2019.	Found dead	---	---
Jász-N-SZ (1 st wave)	30.08.2019.	Found dead	21.11.2020.	Found dead
Pest (1 st wave)	28.09.2019.	Found dead	23.07.2020.	Found dead
Békés	09.12.2019.	Found dead	06.07.2020.	Found dead
Komárom-E	15.02.2020.	Found dead	---	---
Fejér	10.08.2021.	Found dead	19.01.2024.	Shot (decrease pop.)
Pest (2 nd wave)	23.10.2021.	Shot (decrease pop.)	---	---
Jász-N-SZ (2 nd wave)	28.01.2022.	Found dead	28.01.2022.	Found dead



Affected counties	County	Passive surveillance		Active surveillance	All cases	Passive surv. %
		Total	Found dead			
Number of cases	Békés	108	107	12	120	90,00
	Borsod-A-Z	5327	5286	795	6122	87,01
	Fejér	40	40	7	47	85,11
	Hajdú-Bihar	485	473	280	765	63,40
	Heves	1909	1893	456	2365	80,72
	Jász-N-K	154	149	26	180	85,56
	Komárom-E	567	552	241	808	70,17
	Nógrád	1105	1104	390	1495	73,91
	Pest	383	344	259	642	59,66
	Szabolcs-Sz-B	533	525	199	732	72,81
	HU total	10611	10473	2665	13276	79,93



All cases per hunting year

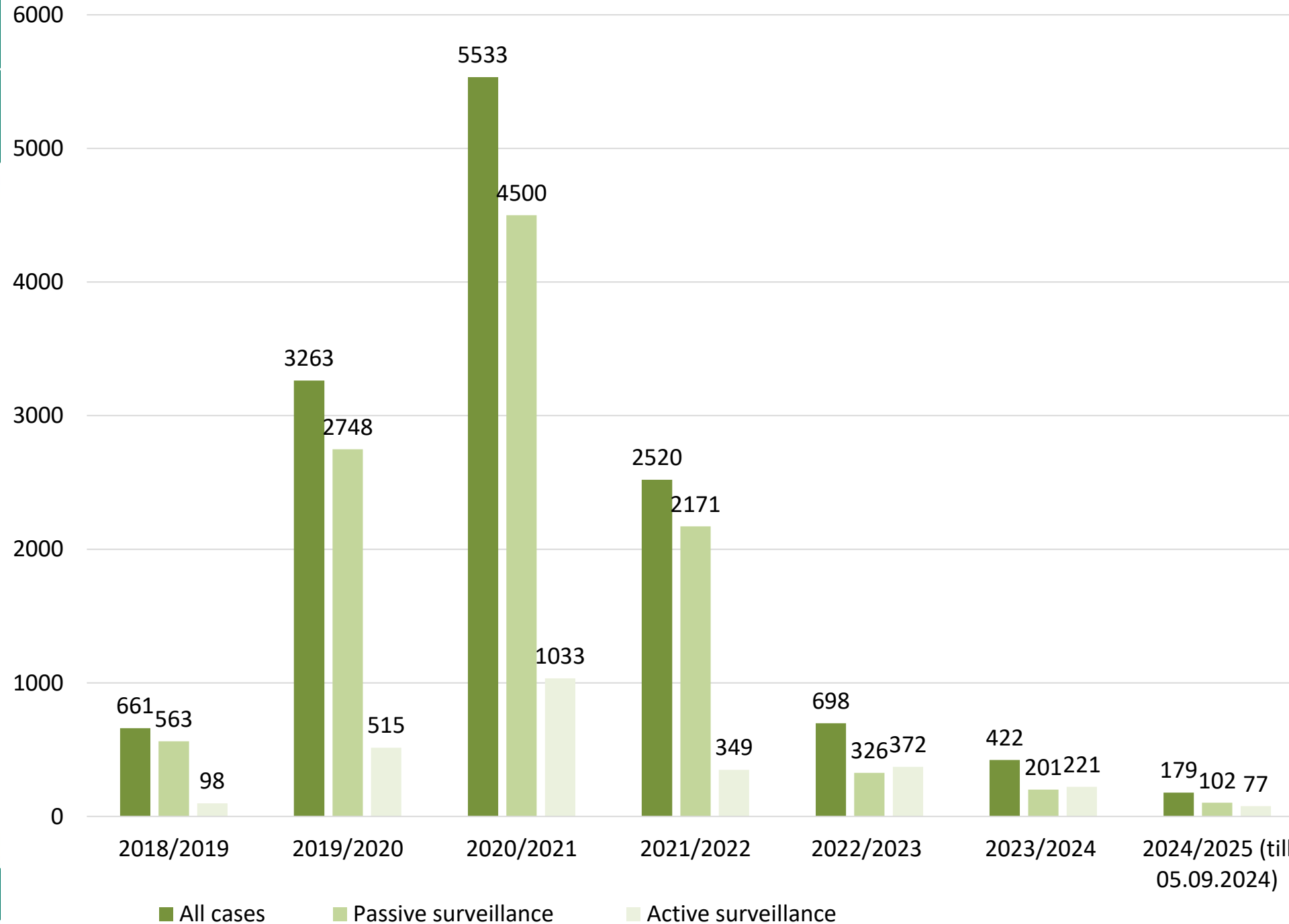
Whole country

Hunting year	Passive surveillance		Active surveillance	All cases	Passive surv. %
	Total	Found dead			
2018/2019.	563	553	98	661	85,17
2019/2020.	2748	2703	515	3263	84,22
2020/2021.	4500	4464	1033	5533	81,33
2021/2022.	2171	2156	349	2520	86,15
2022/2023.	326	308	372	698	46,70
2023/2024.	201	191	221	422	47,63
2024/2025.(05.09)	102	98	77	179	56,98
Total so far	10611	10473	2665	13276	79,93

All cases per hunting year

Since 2018

- **13 276** cases in total since 2018
- Peak in 2021
- Since 2021 gradual improvement





Surveillance, wild boar

Antigen detection: PCR

Enhanced passive surveillance

- WB found dead
- WB-roadkill
- WB shot due to symptoms

Active surveillance

- In RZ I + RZ II: all WB shot (population reduction)
- Outside RZI and II: 95% confidence assuming a 10% prevalence



Surveillance results 21/22, 22/23, 23/24, 24/25*

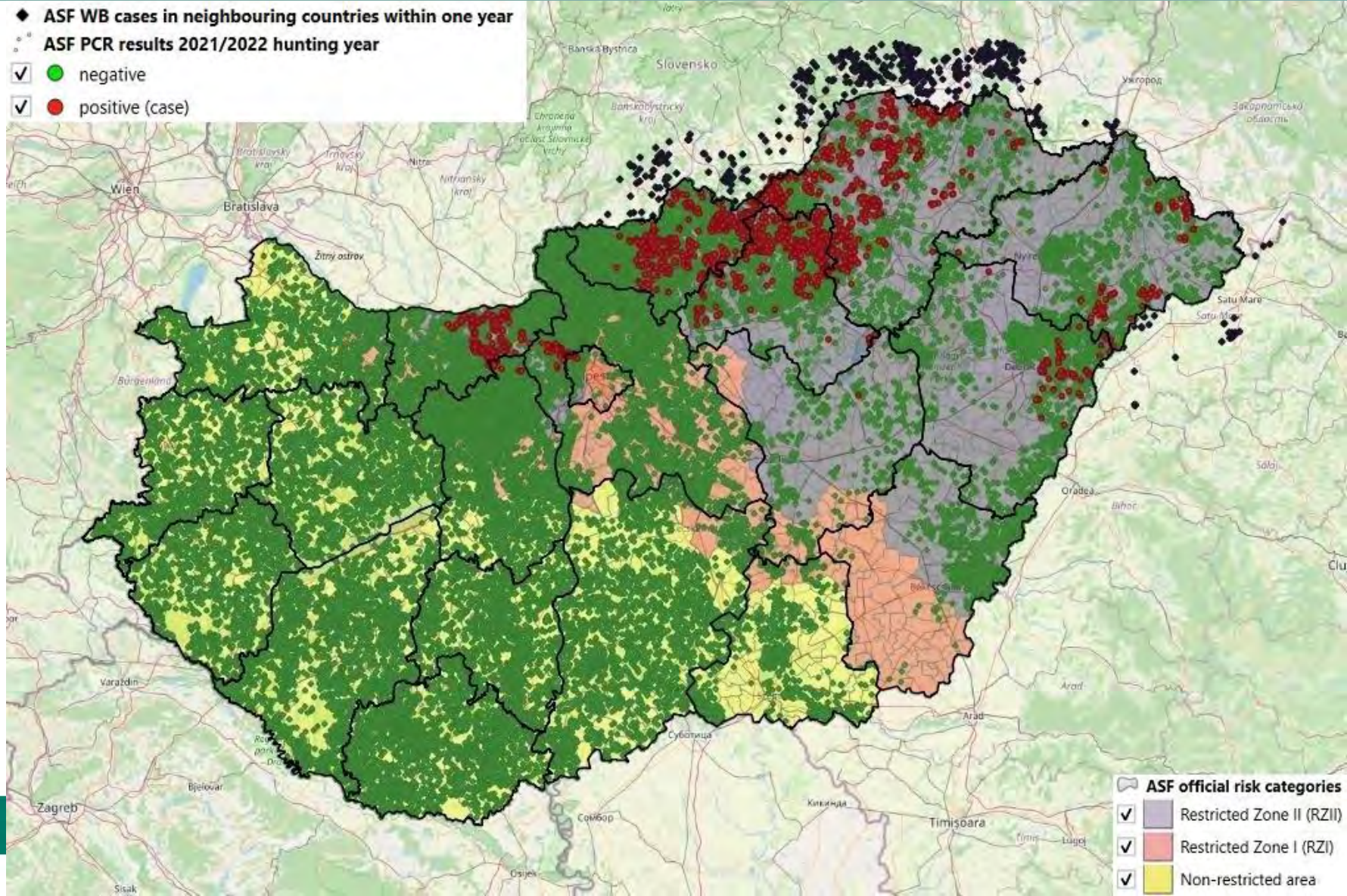
County	Passive surveillance								Active surveillance								Total							
	Negative				Positive (case)				Negative				Positive (case)				Negative		Positive (case)					
Békés	22	12	9	5	0	0	0	0	1234	1123	923	271	0	0	0	0	1256	1137	932	276	0	0	0	0
J-N-Sz	8	9	4	1	1	0	0	0	911	937	960	298	0	0	0	0	919	946	964	299	1	0	0	0
Pest	287	231	173	81	32	78	31	18	14099	11645	8252	3836	16	118	65	20	14386	11876	8425	3917	48	196	96	38
HU total	1762	1188	899	479	2171	326	201	102	63081	57333	52930	24535	349	372	221	77	64803	58521	53829	25014	2520	698	422	174

*: till 5 Sept 2024



Surveillance results 2021/2022.

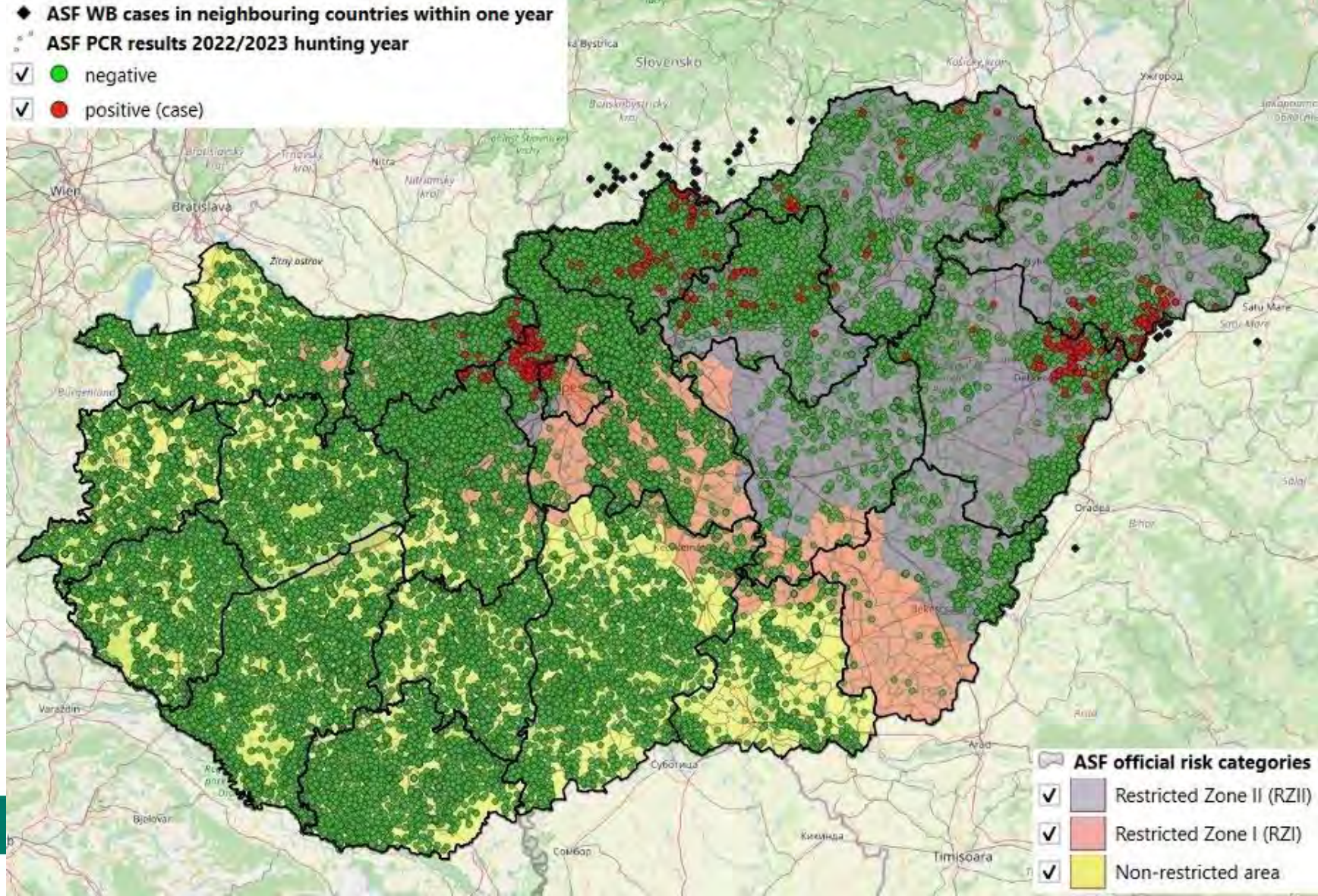
- ◆ ASF WB cases in neighbouring countries within one year
- ASF PCR results 2021/2022 hunting year
- ✓ ● negative
- ✓ ● positive (case)



- ASF official risk categories
- ✓ ● Restricted Zone II (RZII)
- ✓ ● Restricted Zone I (RZI)
- ✓ ● Non-restricted area



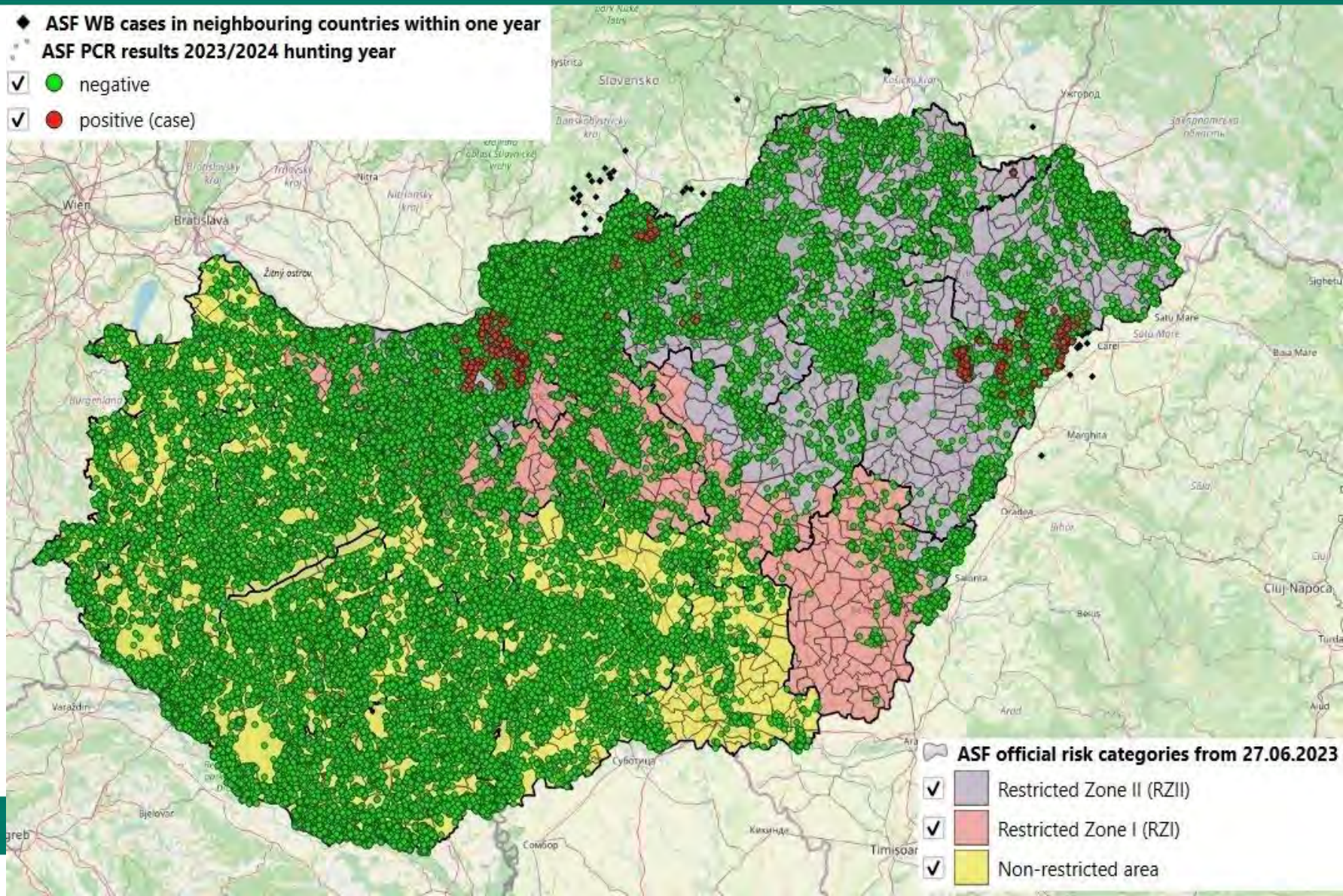
Surveillance results 2022/2023.





Surveillance results 2023/2024.

- ◆ ASF WB cases in neighbouring countries within one year
- ◆ ASF PCR results 2023/2024 hunting year
- ✓ ● negative
- ✓ ● positive (case)

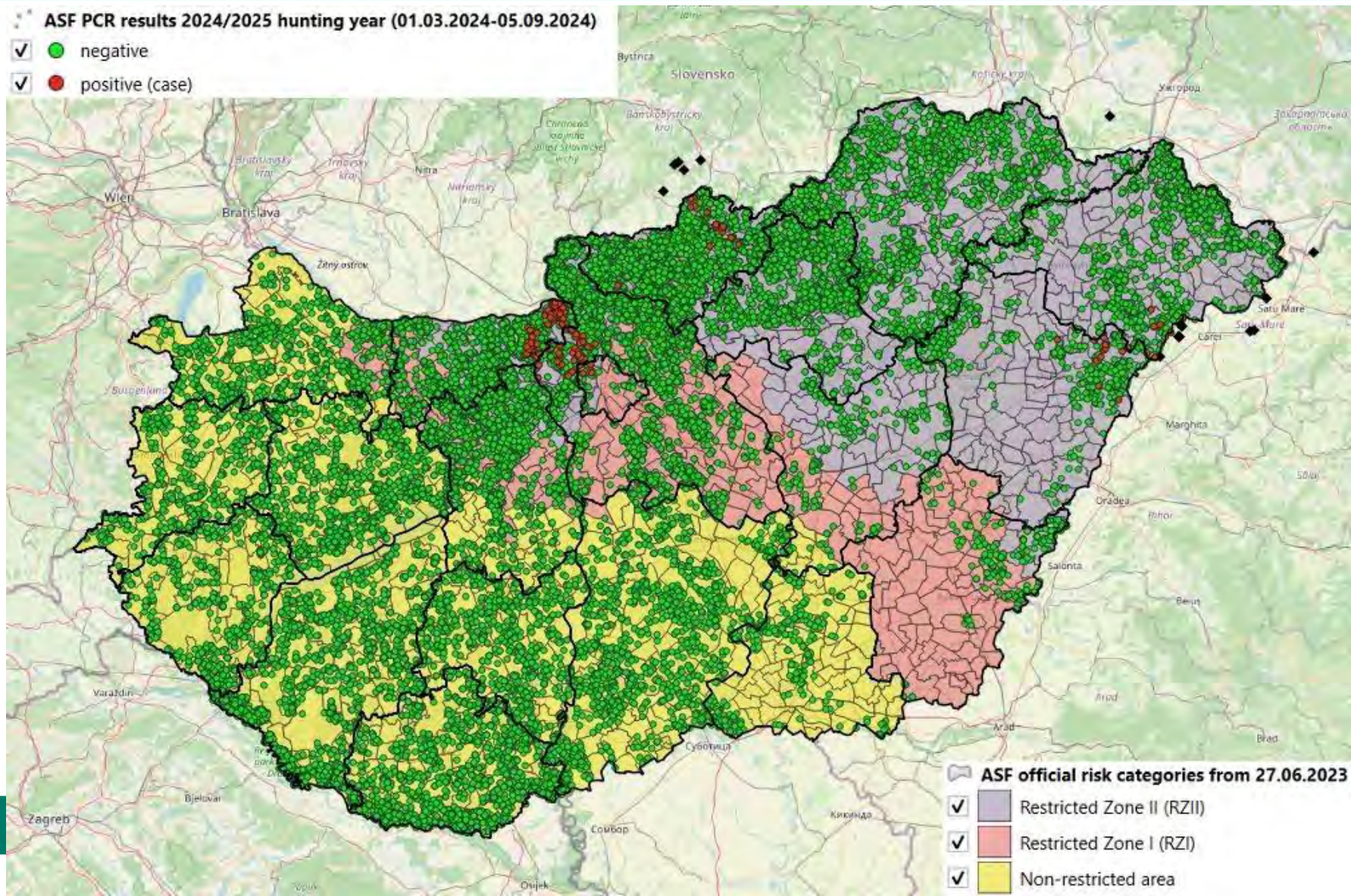




Surveillance results 2024/2025.

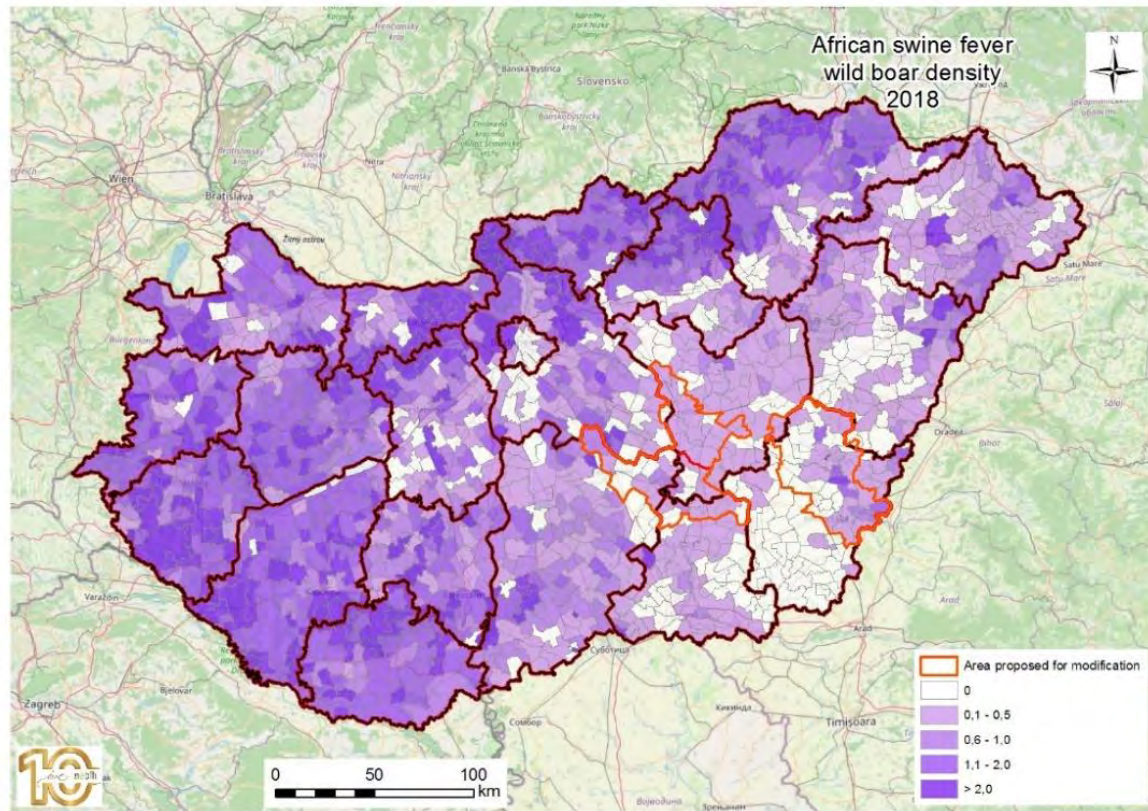
ASF PCR results 2024/2025 hunting year (01.03.2024-05.09.2024)

- ✓ ● negative
- ✓ ● positive (case)

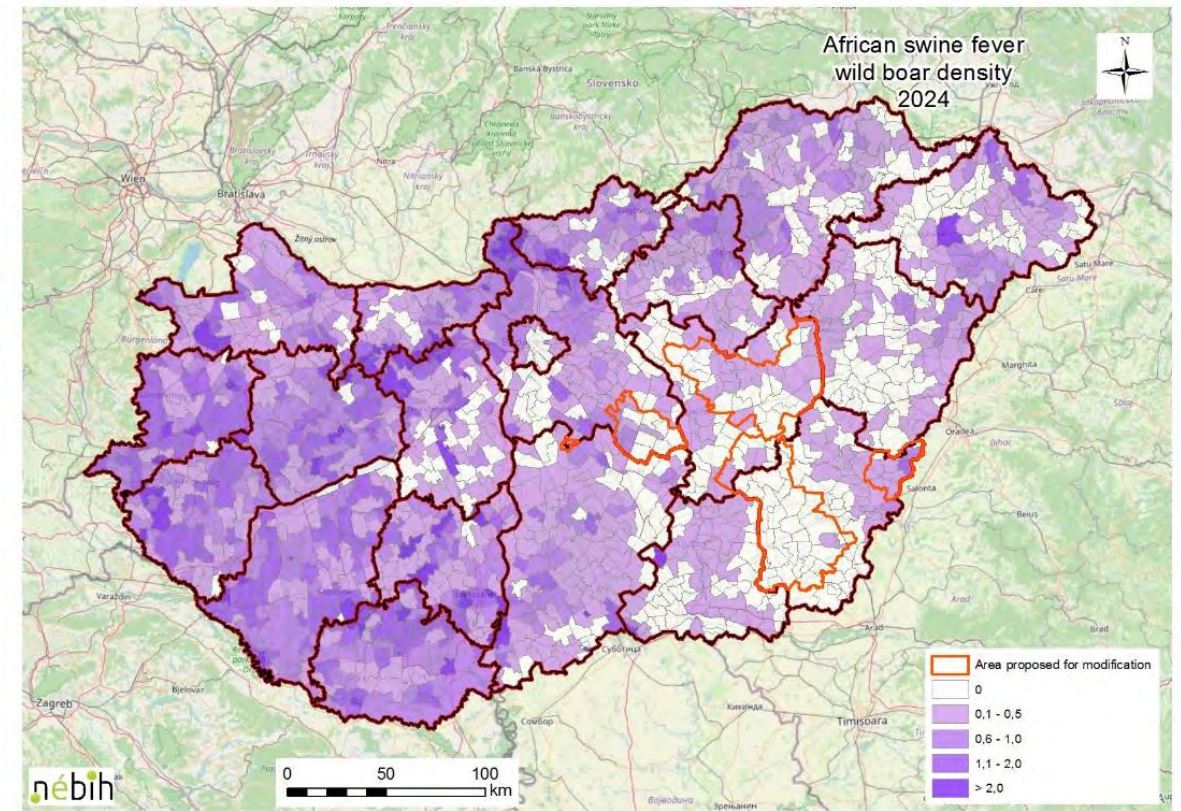




Changes in wild boar density

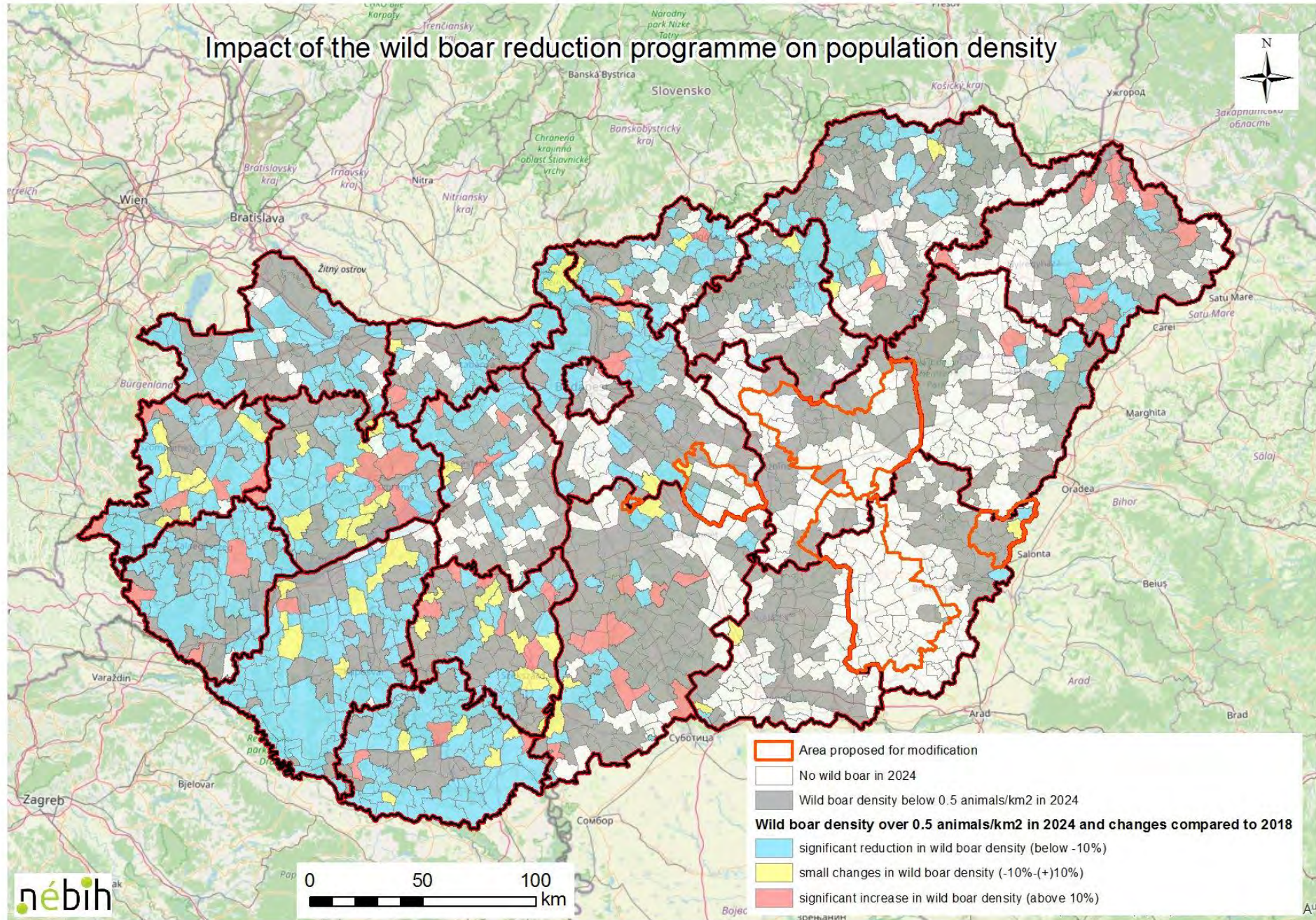


2018



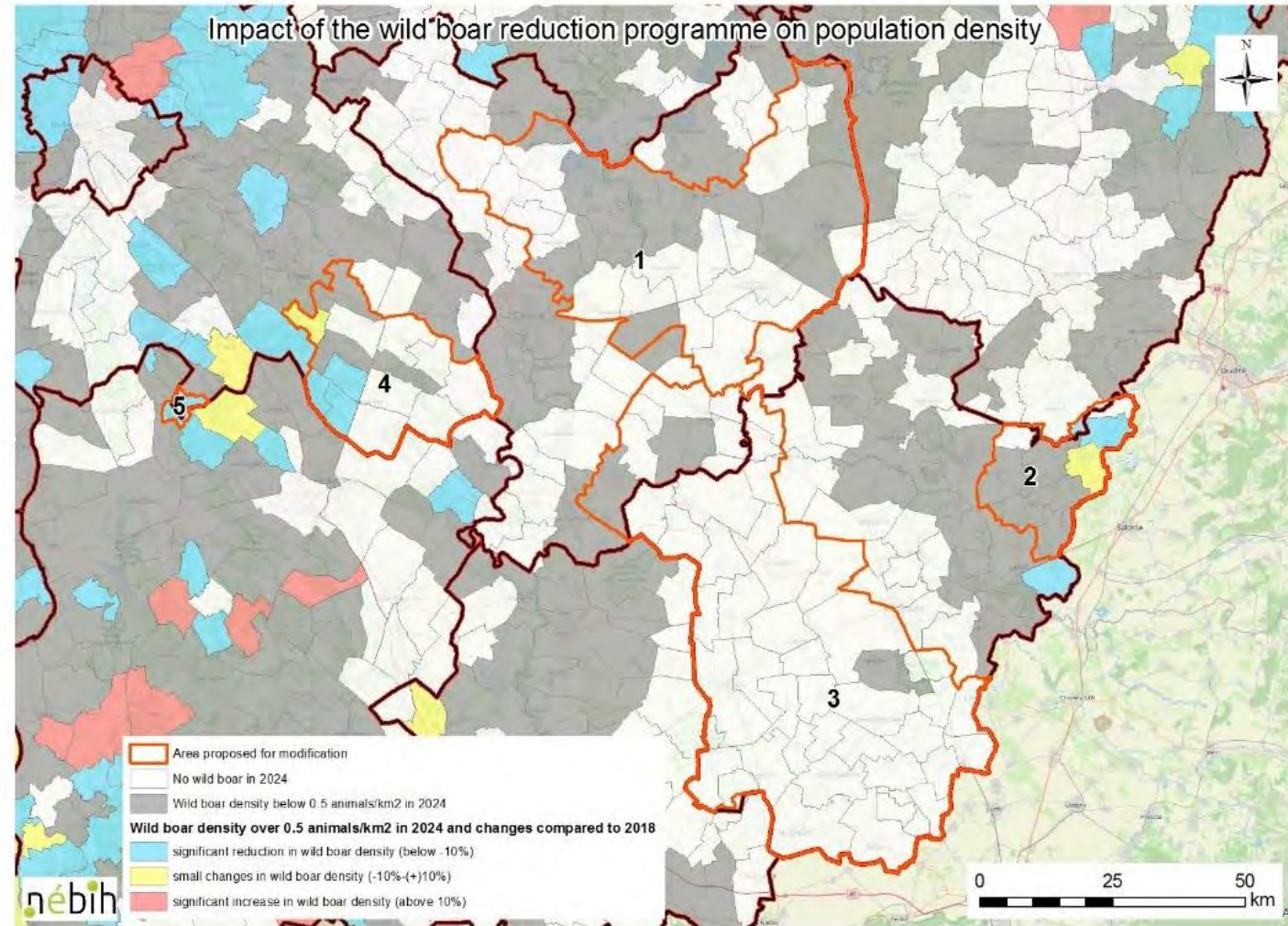
2024

WB population density
Degree of change
whole country





WB population density
Degree of change
Proposed area





Principles of risk assessment

- **Risk analysis of GMUs**
- **Factors taken into account**
 - Relation to strictly restricted areas (RZII)
 - Relation to RZII (RZI)
 - Results of surveillance - past 6 months

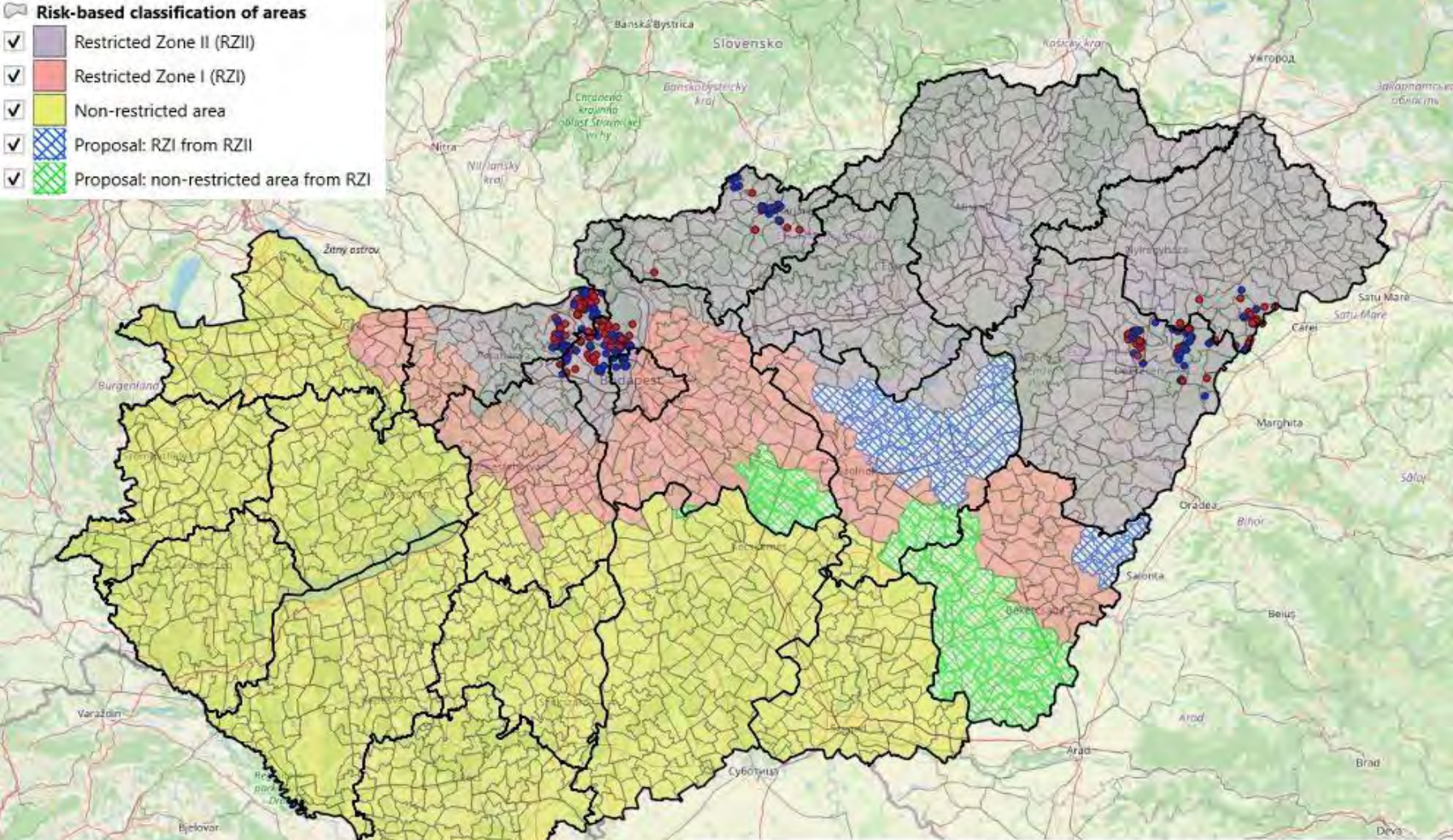
Methods of risk analysis

1. Risk factor-R : WB density
Distance from cases
2. Analysis by experts based on other factors



Proposed areas for reclassification

- Risk-based classification of areas**
- ✓ Restricted Zone II (RZII)
 - ✓ Restricted Zone I (RZI)
 - ✓ Non-restricted area
 - ✓ Proposal: RZI from RZII
 - ✓ Proposal: non-restricted area from RZI

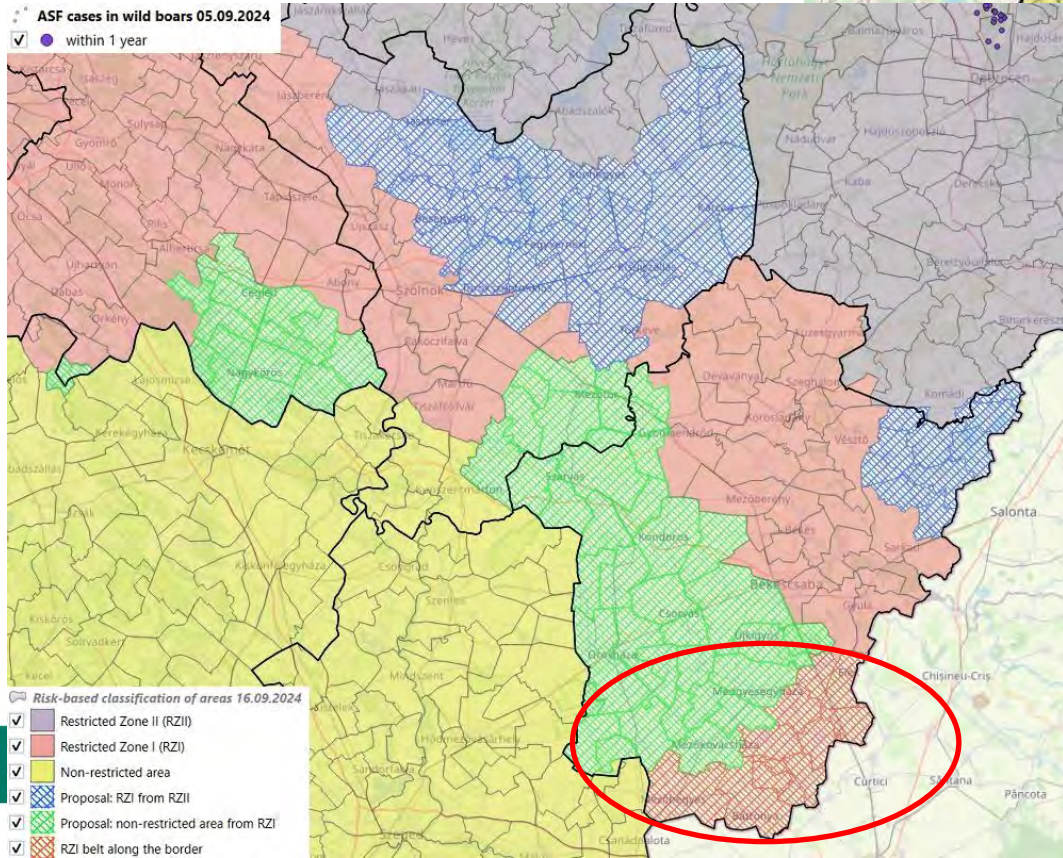
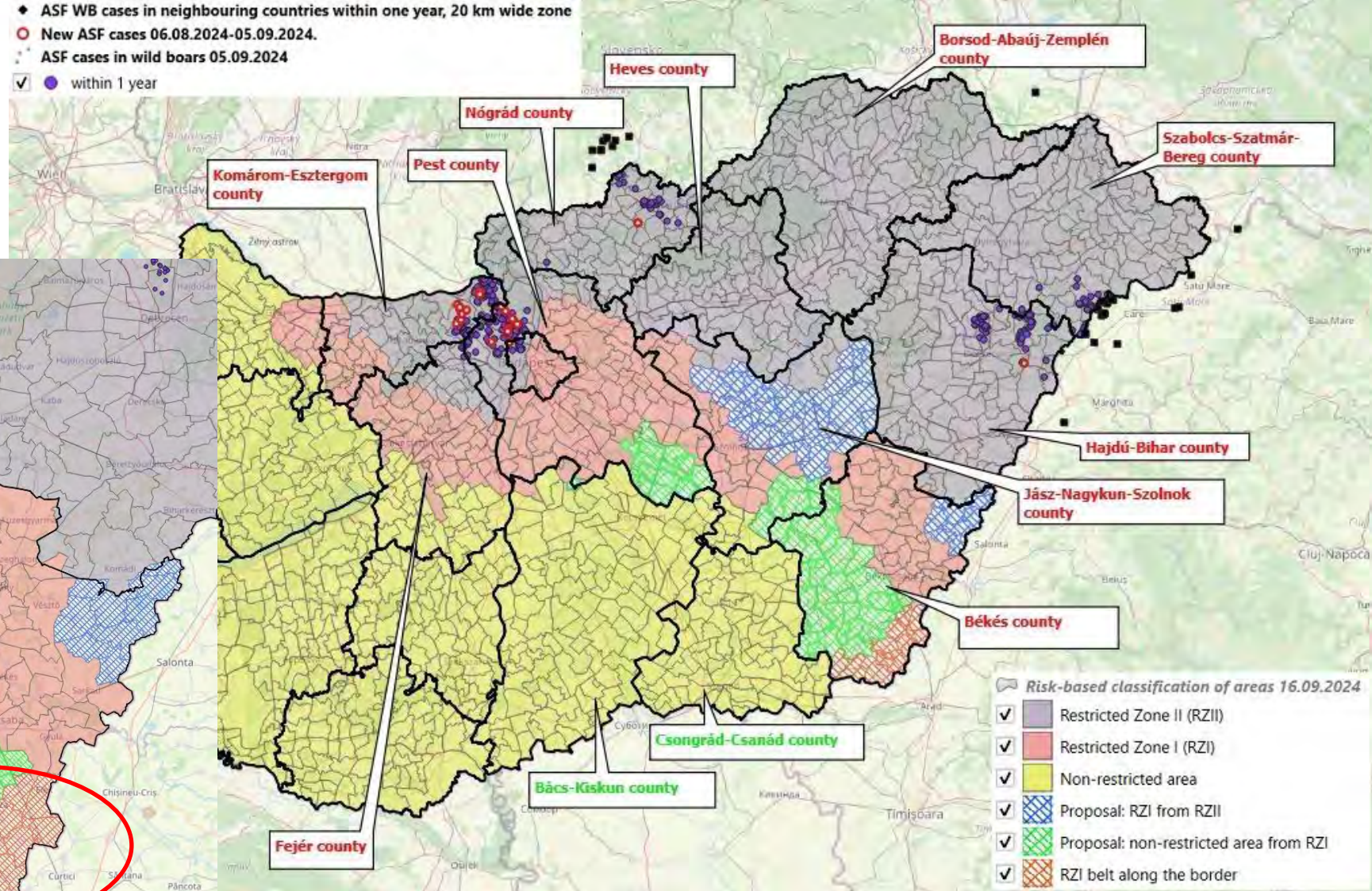


- ASF cases in wild boars 01.09.2023-31.08.2024**
- ✓ Healthy shot WB (culling)
 - ✓ WB found dead, died due to traffic accident, shot due to clinical signs



Retained areas in RZI for the recommendation of the Commission

- ◆ ASF WB cases in neighbouring countries within one year, 20 km wide zone
- New ASF cases 06.08.2024-05.09.2024.
- ◆ ASF cases in wild boars 05.09.2024
- ✓ ● within 1 year



- ◆ ASF cases in wild boars 05.09.2024
- ✓ ● within 1 year

- ✓ Restricted Zone II (RZII)
- ✓ Restricted Zone I (RZI)
- ✓ Non-restricted area
- ✓ Proposal: RZI from RZII
- ✓ Proposal: non-restricted area from RZI
- ✓ RZI belt along the border

- ✓ Risk-based classification of areas 16.09.2024
- ✓ Restricted Zone II (RZII)
- ✓ Restricted Zone I (RZI)
- ✓ Non-restricted area
- ✓ Proposal: RZI from RZII
- ✓ Proposal: non-restricted area from RZI
- ✓ RZI belt along the border

Ministry of Agriculture- Some statistics of the areas to be reclassified	Proposed territory	1	2	3	4	5
	All affected GMUs	31 (J-NK-Sz)	9 (Békés)	31 (Békés) 7 (J-NK-Sz)	14 (Pest)	1 (Pest)
	No of GMUs with estimated population of 0-10	28	5	37	10	0
	No of GMUs with estimated population of 11-100	3	4	1	4	1
	No of GMUs with estimated population of over 100	0	0	0	0	0
	Total area (km ²)	2415.5	458.98	2710.95	757.7	30.47
	Density of WB-population in 2024 (WB/km ²)	0.04	0.30	0.011	0.16	0.79
	Confirmation of last occurrence	11.10.2020	08.06.2020	No occur.	No occur.	No occur.
	Negative PCRs, hunting year 2022/2023	388	523	89	236	32
	Negative PCRs, hunting year 2023/2024	466	400	142	168	32
Negative PCRs, hunting year 2024/2025 (until 5 September 2024)	139	104	32	55	18	
Negative PCRs during the 6 months prior to the proposal of the National Expert Group	298	222	92	98	21	



Thank you for your
attention!