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Epidemiological situation and measures regarding African swine fever in Hungary

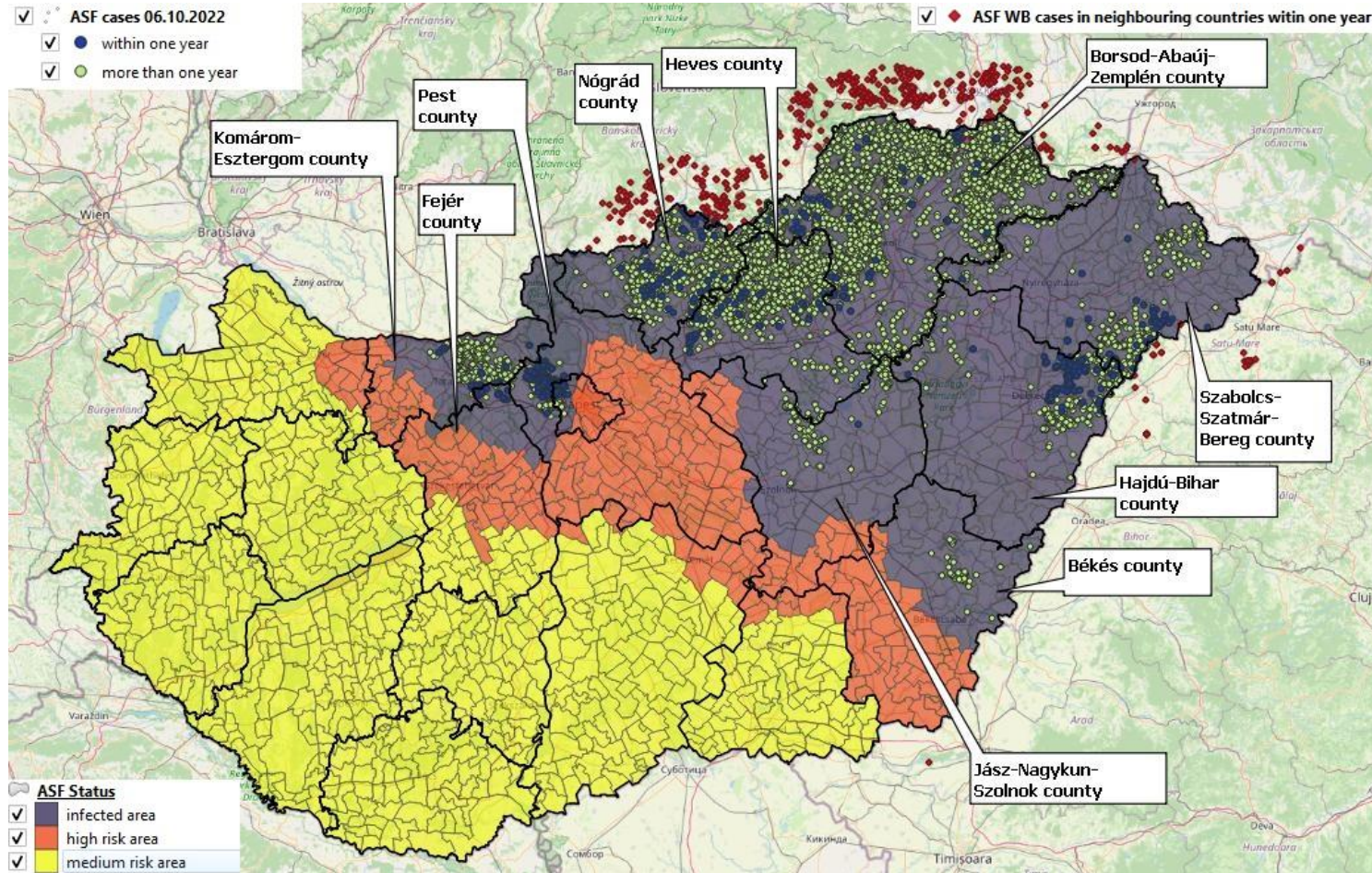
Meeting of the Standing Committee of Plants, Animals, Food and Feed

21st October, 2022



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Current situation – ASF in wild boars in Hungary





Overview of ASF in wild boars – first and last cases

County (in order of confirmation)	First case		Last case	
	Date	Category	Date	Category
Heves	21.04.2018.	Found dead	---	---
Szabolcs-SZ-B	16.05.2018.	Found dead	---	---
Borsod-A-Z	02.10.2018.	Shot (decrease popul.)	---	---
Nógrád	28.10.2018.	Found dead	---	---
Hajdú-Bihar	29.04.2019.	Found dead	---	---
Jász-N-SZ (1st wave)	30.08.2019.	Found dead	21.11.2020.	Found dead
Pest (1st 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	05.06.2022.	Found dead
Pest (2nd wave)	23.10.2021.	Shot (decrease popul.)	---	---
Jász-N-SZ (2)	28.01.2022.	Found dead	28.01.2022.	Found dead



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Table of all wild boar ASF cases until 6 Oct. 2022

County	Passive surveillance		Active surveillance	All cases	Passive surv. %
	Total	Found dead			
Békés	108	107	12	120	90,00
Borsod-A-Z	5317	5276	792	6109	87,04
Fejér	38	38	3	41	92,68
Hajdú-Bihar	383	373	179	562	68,15
Heves	1897	1881	446	2343	80,96
Jász-N-K	154	149	26	180	85,56
Komárom-E	485	478	135	620	78,23
Nógrád	1058	1058	353	1411	74,98
Pest	310	278	106	416	74,52
Szabolcs-Sz-B	492	484	126	618	79,61
HU total	10242	10122	2178	12420	82,46



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ASF cases in Hungary by hunting year, until 06 Oct.2022

Hunting year	Passive surveillance		Active surveillance	All cases	Passive surv. %
	Total	Found dead			
2018/2019.	563	553	98	661	86,17
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. (06.10.2022.)	260	246	183	443	58,69
Total so far	10242	10122	2178	12420	82,46



ASF surveillance system in wild boars

- Virological test (PCR) conducted
- Enhanced passive surveillance:
 - All wild boars found dead
 - All road-killed wild boars
 - All wild boars shot for displaying clinical symptoms
- Active surveillance: clinically healthy wild boars shot for decreasing the population of during hunts
 - All such wild boars in RZ I (high-risk) and RZ II (infected)
 - 10% prevalence / 95% confidence detection in medium-risk area



Whole country



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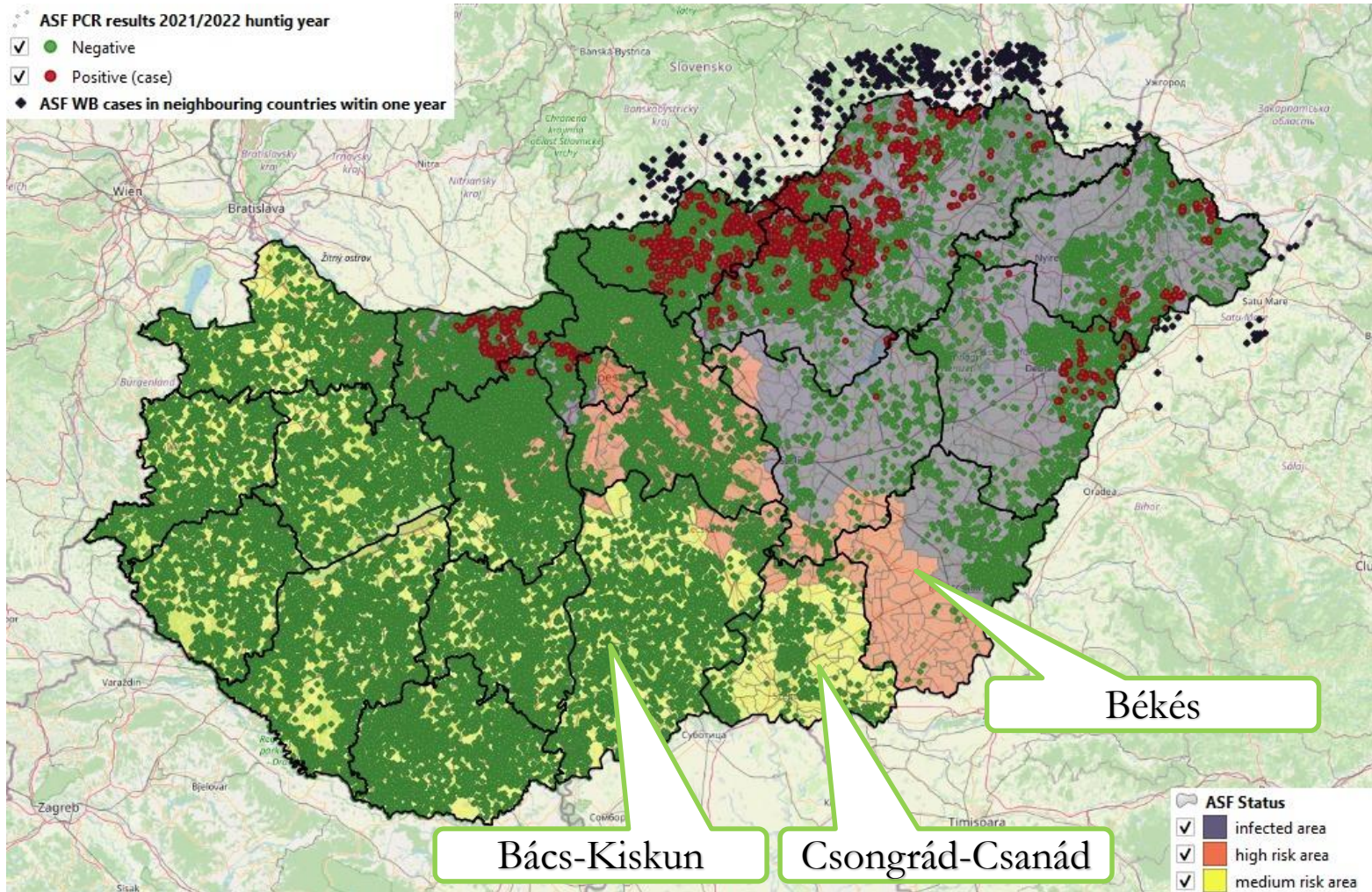
Results of PCR tests for detection of ASF in the 2021/2022. hunting year by counties

County	Passive surveillance				Active surveillance		Total	
	All passive		Found dead		Negative	Positive (case)	Negative	Positive (case)
	Negative	Positive (case)	Negative	Positive (case)				
Bács-Kiskun	7	0	4	0	2423	0	2430	0
Békés	22	0	21	0	1234	0	1256	0
Borsod-A-Z	218	803	204	799	1590	85	1808	888
Csongrád-Cs	4	0	1	0	922	0	926	0
Fejér	78	10	39	10	7323	2	7401	12
Hajdú-Bihar	51	85	42	85	1912	29	1963	114
Heves	159	488	152	487	2082	79	2241	567
Jász-N-K	8	1	4	1	911	0	919	1
Komárom-E	165	218	125	217	7576	27	7741	245
Nógrád	232	444	219	444	7351	81	7583	525
Pest	287	32	219	26	14099	16	14386	48
Szabolcs-Sz-B	52	90	43	87	2536	30	2588	120
Other counties	479	0	331	0	13122	0	13601	0
HU total	1762	2171	1404	2156	63081	349	64803	2520



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Results of PCR tests for detection of ASF in the 2021/2022. hunting year by counties





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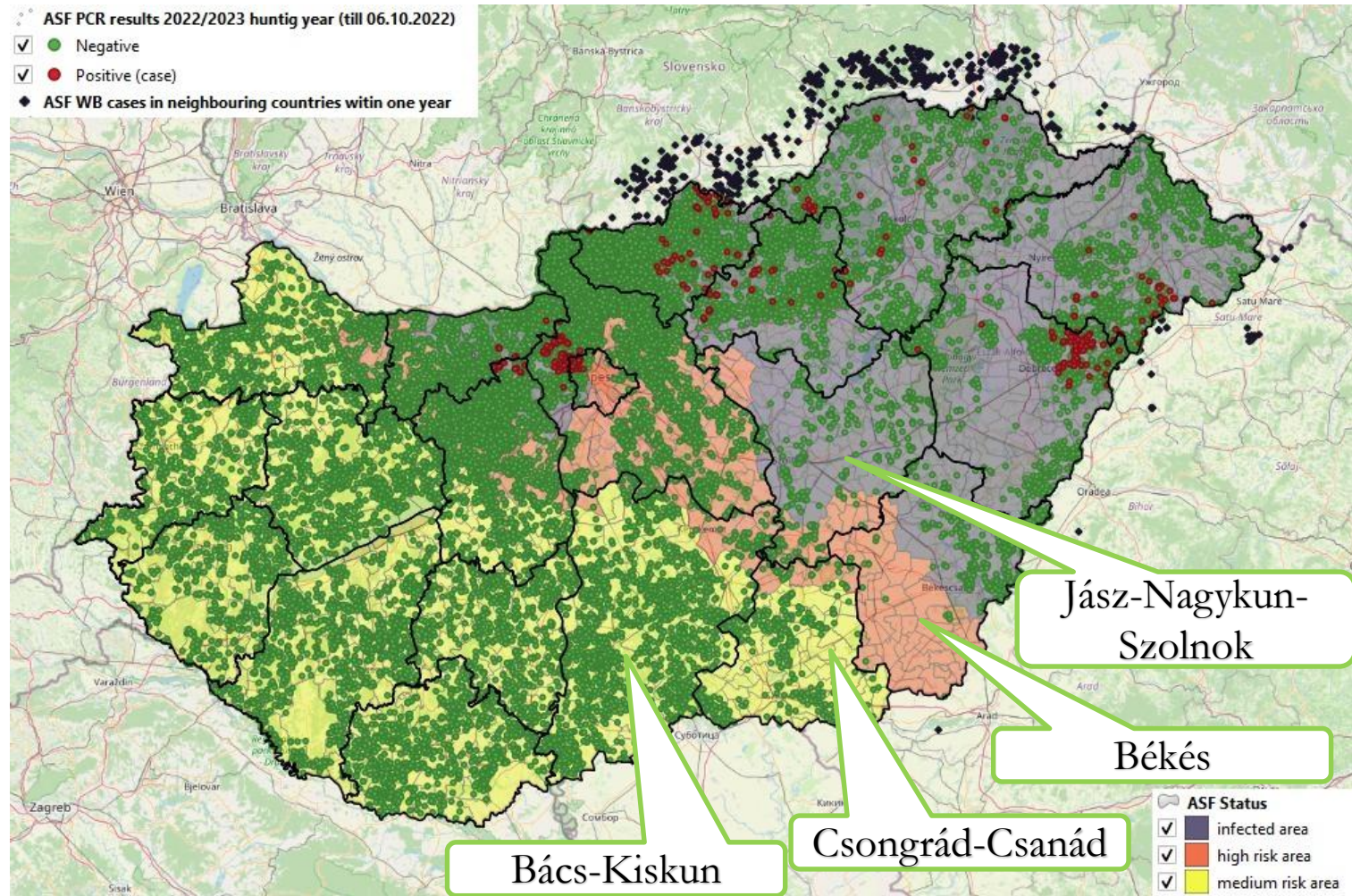
Results of PCR tests for detection of ASF in the 2022/2023 hunting year by counties

County	Passive surveillance				Active surveillance		Total	
	All passive		Found dead		Negative	Positive (case)	Negative	Positive (case)
	Negative	Positive (case)	Negative	Positive (case)				
Bács-Kiskun	3	0	3	0	1638	0	1641	0
Békés	9	0	9	0	638	0	647	0
Borsod-A-Z	59	29	55	29	1219	13	1278	42
Csongrád-Cs	7	0	5	0	478	0	485	0
Fejér	36	28	18	28	3130	1	3166	29
Hajdú-Bihar	18	63	15	63	1016	53	1034	116
Heves	50	35	42	35	1263	6	1313	41
Jász-N-K	5	0	4	0	570	0	575	0
Komárom-E	61	2	38	2	2778	9	2839	11
Nógrád	92	29	84	29	4412	32	4504	61
Pest	129	54	101	40	7303	50	7432	104
Szabolcs-Sz-B	24	20	24	20	1632	19	1656	39
Other counties	240	0	162	0	5686	0	5926	0
HU total	733	260	560	246	31763	183	32496	443



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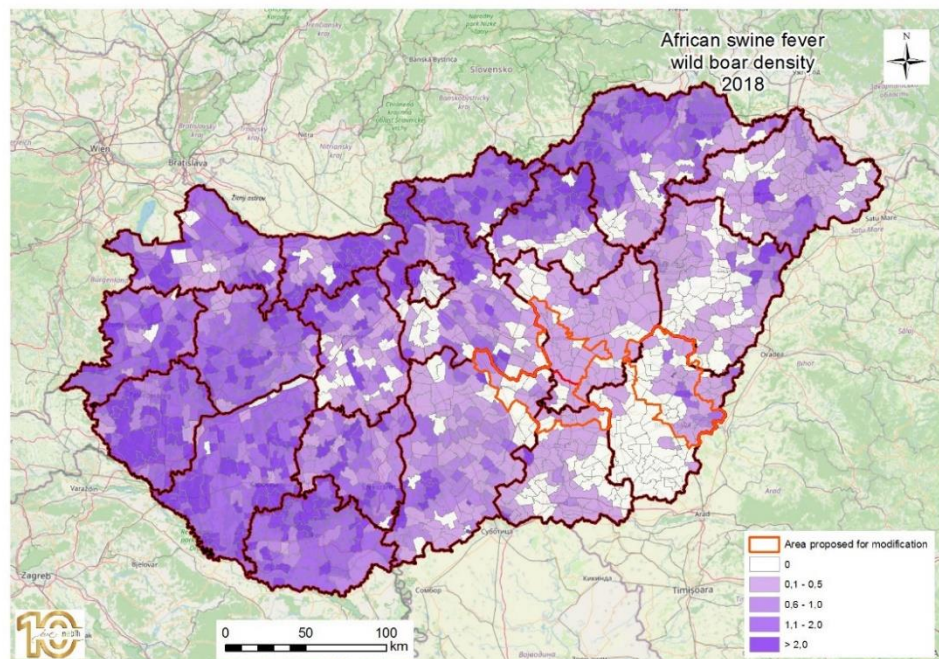
Map about the results of PCR tests in the 2022/2023. hunting year by counties



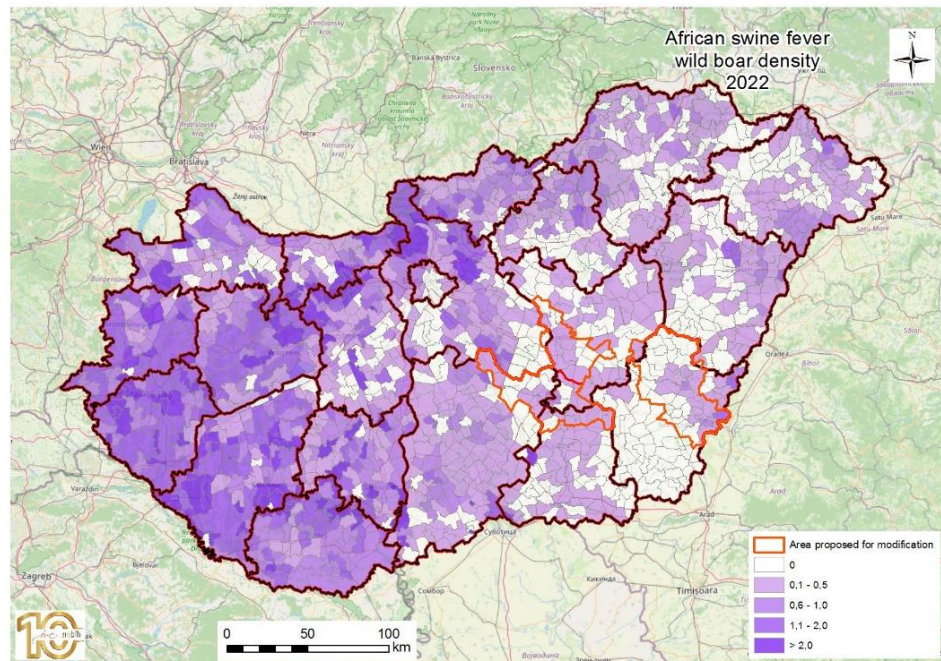


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Maps about the density of wild boars in February 2018 and 2022



2018

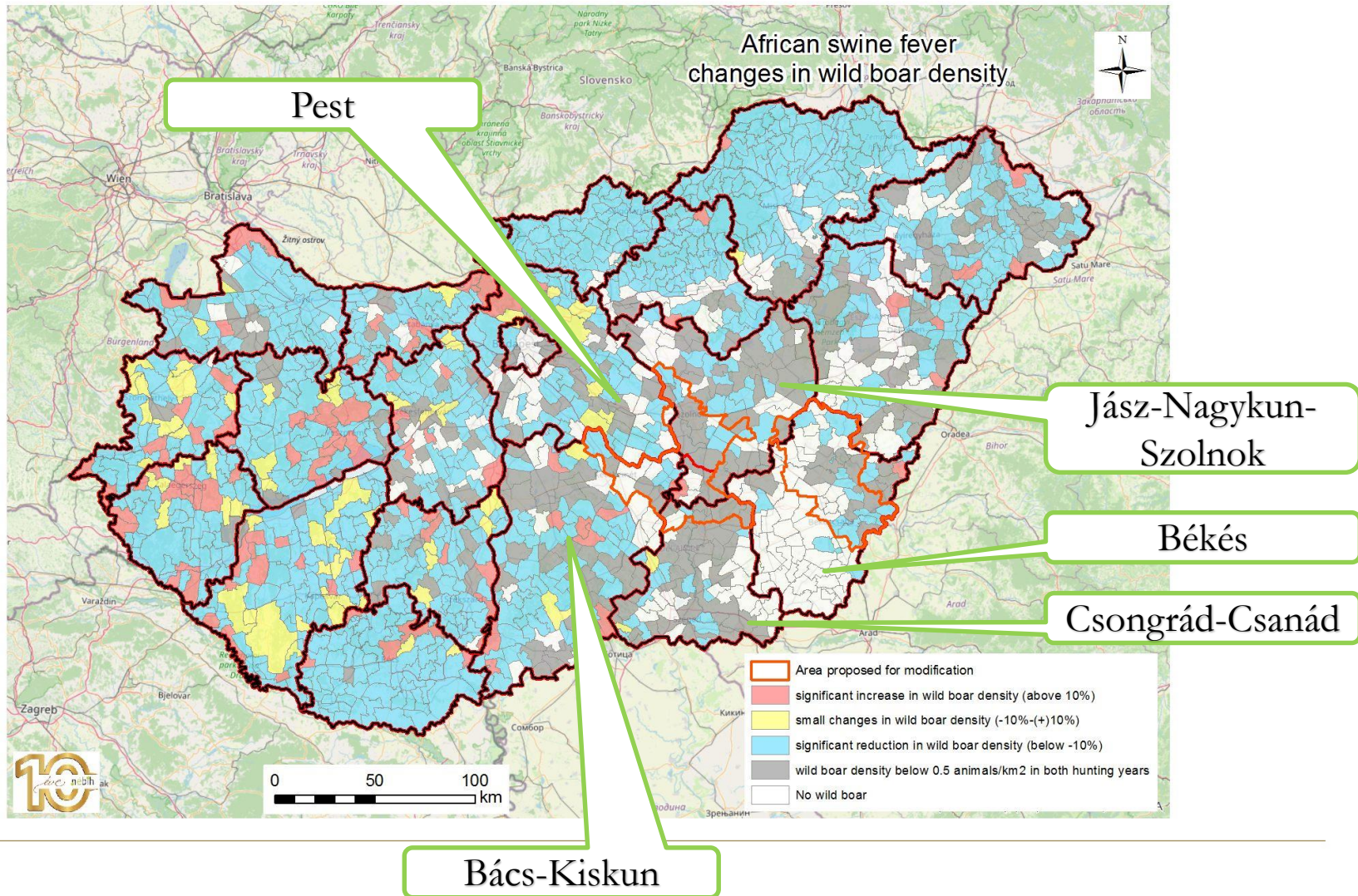


2022



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Map about the change in density of wild boars between February 2018 and 2022





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Measures

Outline

- National Action Plan on Wild Boar Management (detailed information given at PAFF of March, 2021)
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Measures

Highlights

- New set of measures (detailed on June PAFF)
 - Circular letter sent to counties (15th June)
 - Census is underway (to be completed by the 30th November)
 - Also communicated through the media
 - Dedicated website for pig keeping holdings in RZ I and II with CIR 605/2021-compliant biosecurity plan
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Thank you for your attention!

