



African swine fever in Germany

SCoPAFF-meeting – March 2023

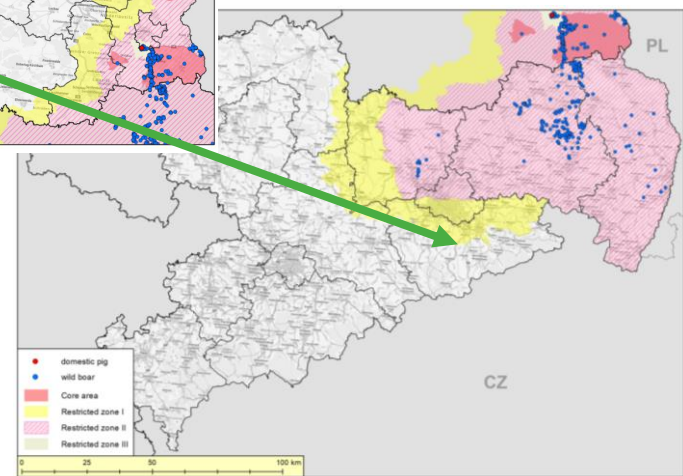
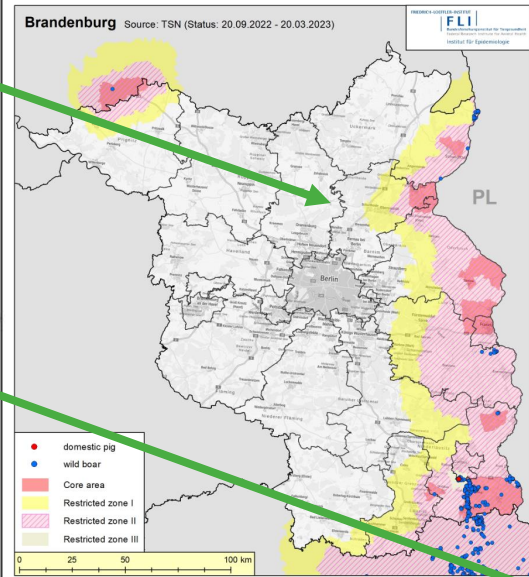
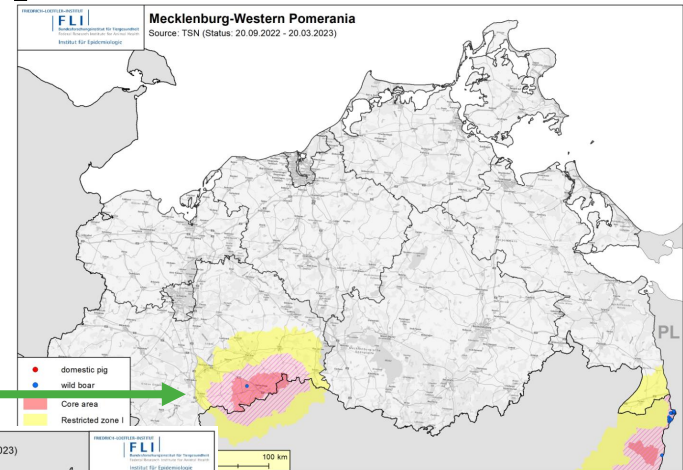
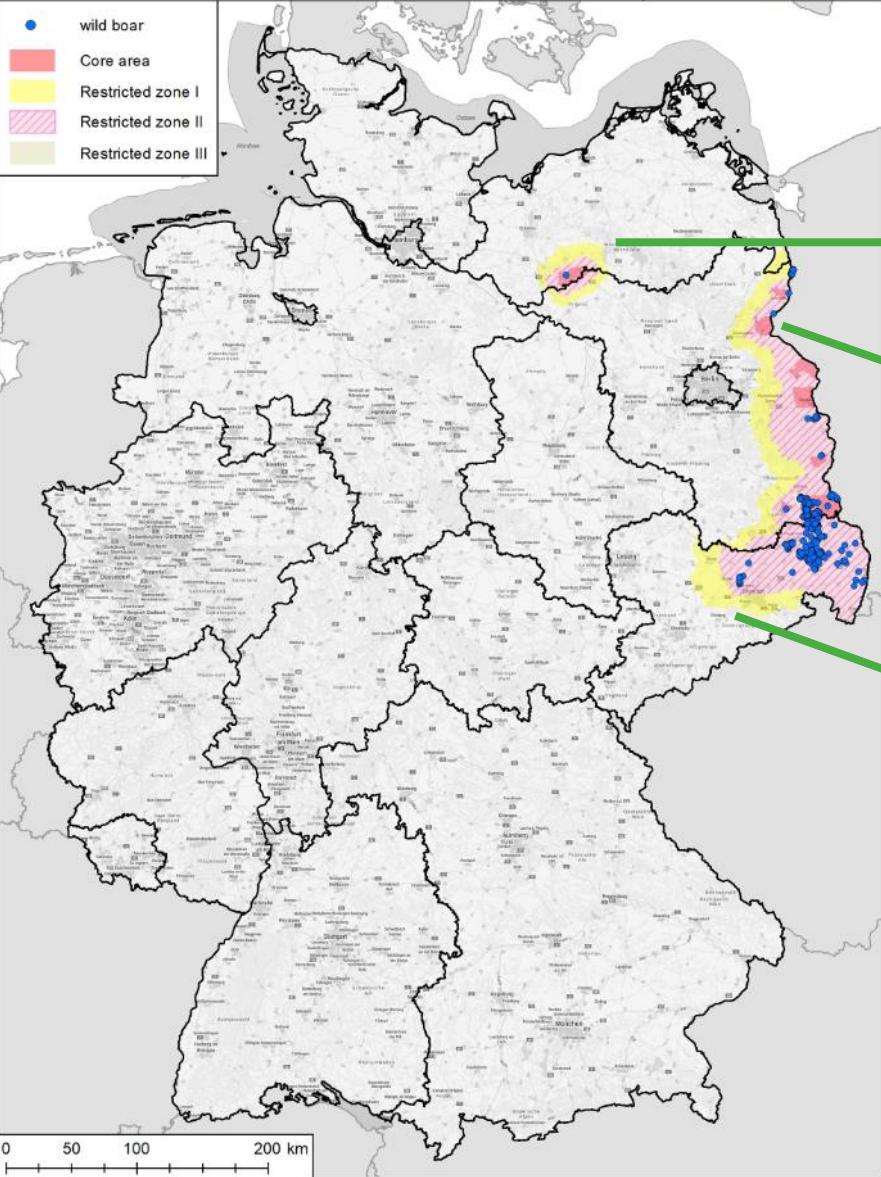
ASF – Overview

African swine fever in Brandenburg, Mecklenburg-Western Pomerania and Saxony

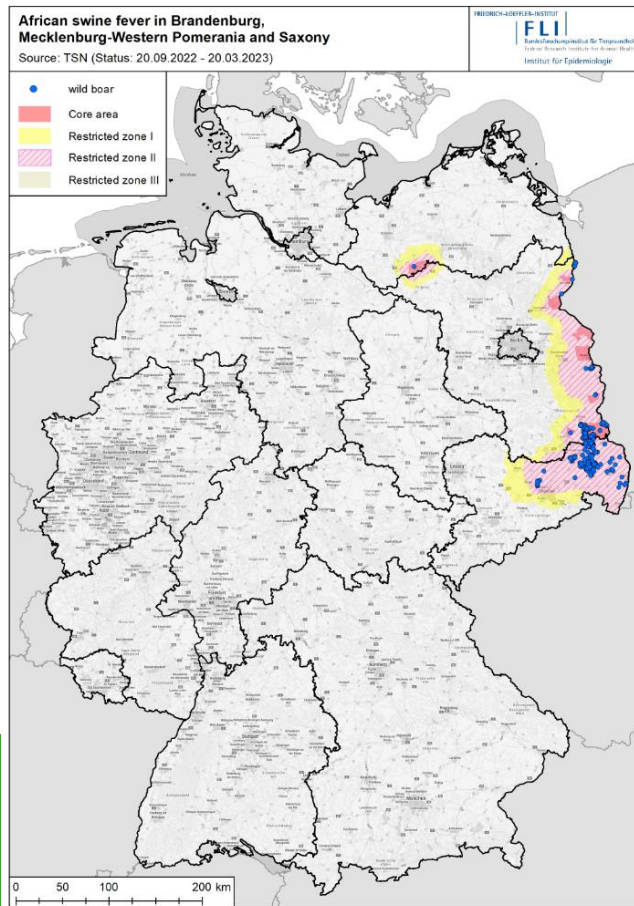
Source: TSN (Status: 20.09.2022 - 20.03.2023)



- wild boar
- Core area
- Restricted zone I
- Restricted zone II
- Restricted zone III



ASF – Overview

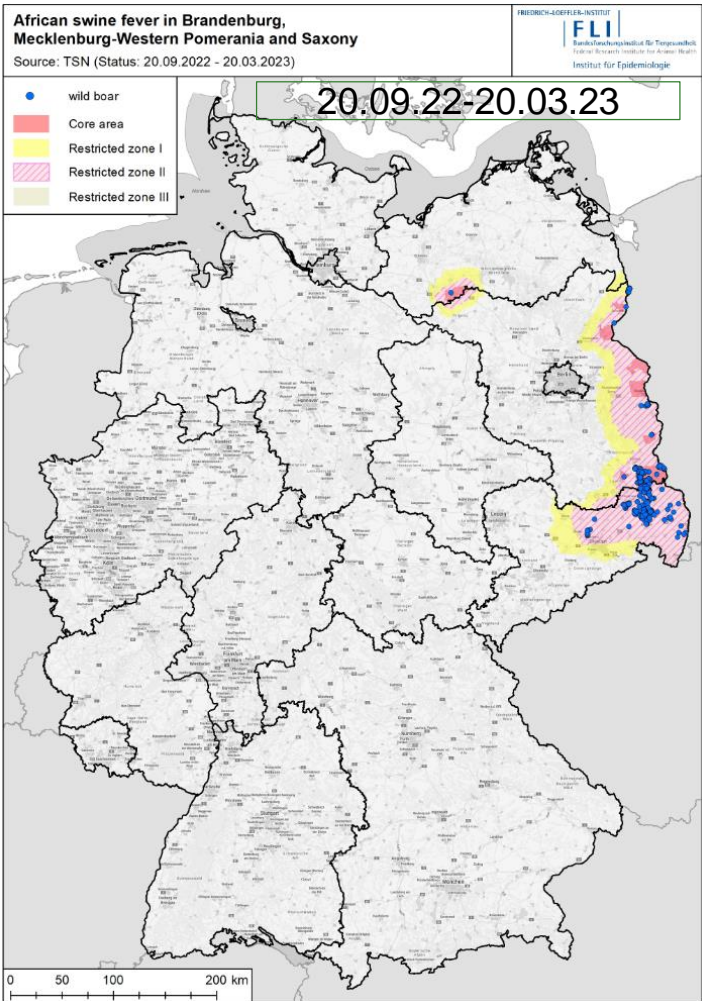


	BB wb	BB dp	SN wb	SN dp	MV wb	MV dp	BW wb	BW dp	NI wb	NI dp	Total
10/09/20- 20/03/23	3.033	5	2.075	-	47	1	-	1	-	1	5.163
20.02.23- 20.03.23	53	1	64	-	-	-	-	-	-	-	118

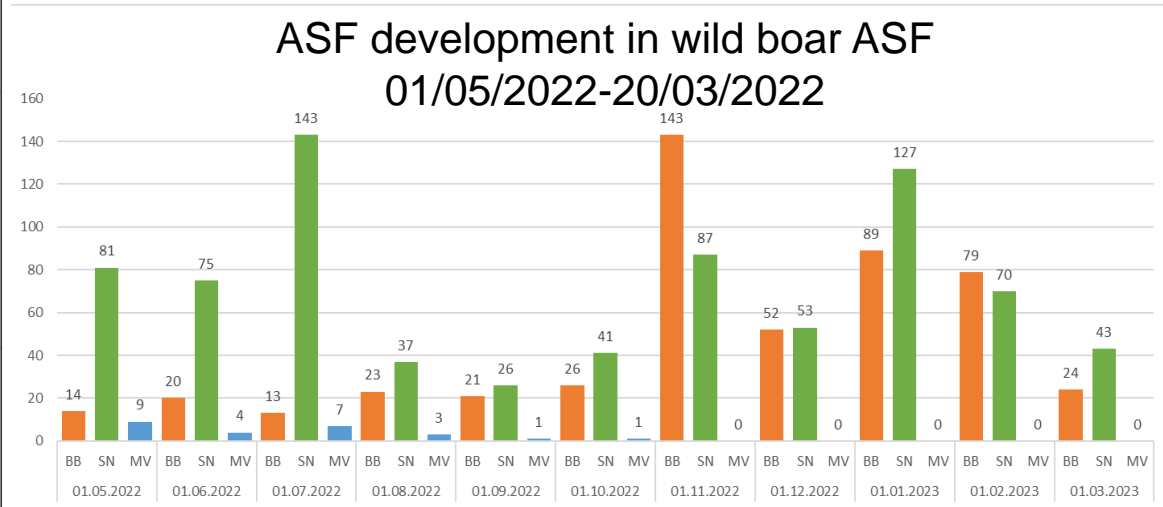
BB: Brandenburg
 SN: Saxony
 MV: Mecklenburg-Western Pomerania
 BW: Baden-Wurtemberg
 NI: Lower Saxony

wb: wild boar
 dp: domestic pigs
 Date: 20/03/2023;
 13:54

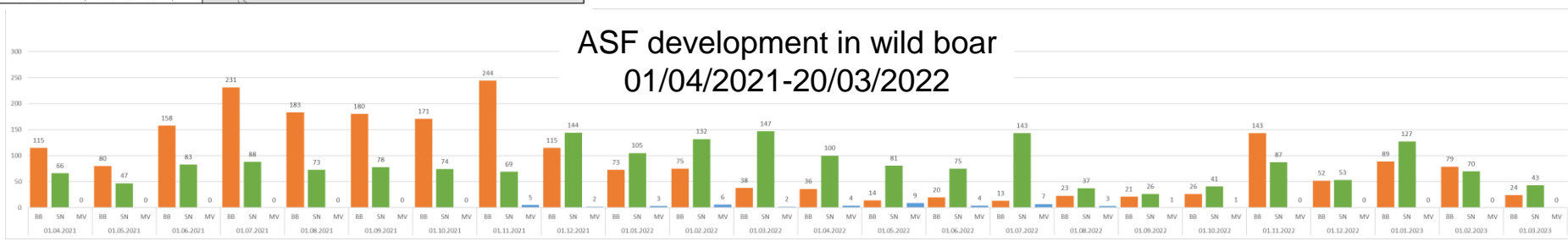
ASF – Overview: Wild boar



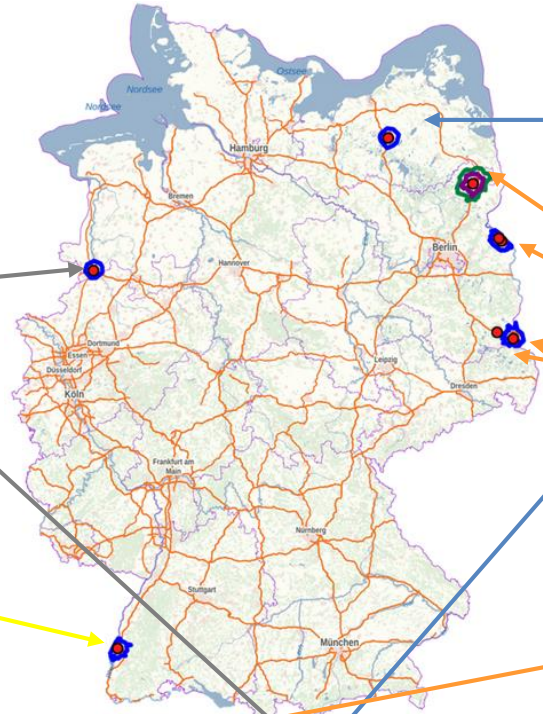
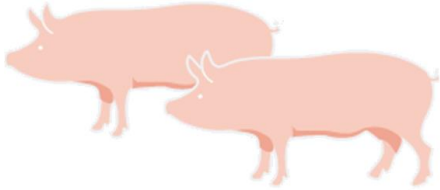
ASF development in wild boar ASF
 01/05/2022-20/03/2022



ASF development in wild boar
 01/04/2021-20/03/2022



ASF – Domestic pig outbreaks overview 2020-2022

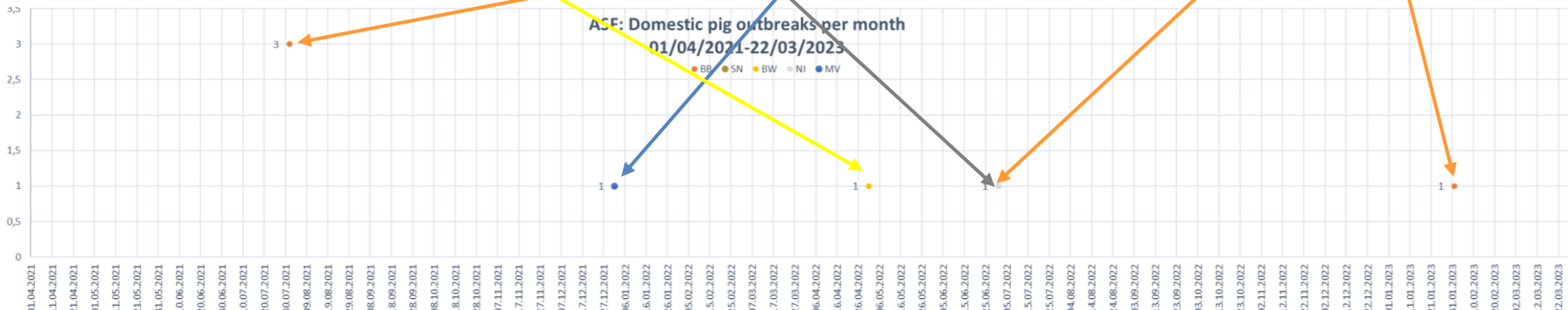


Mecklenburg-Western Pomerania
15/11/2021

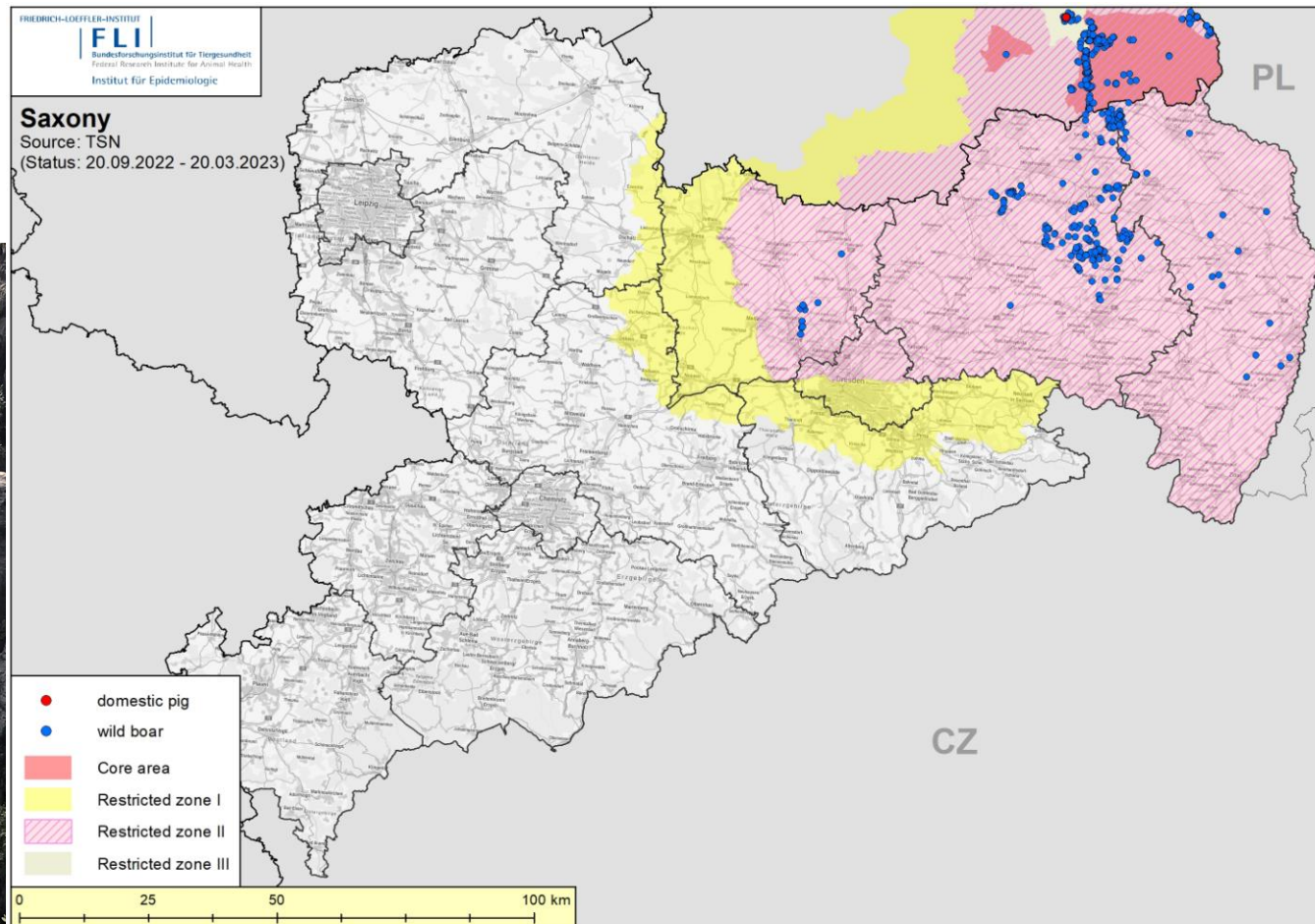
Lower Saxony
02/07/2022

Baden-Wuerttemberg
25/05/2022

Brandenburg
28/02/2023
02/07/2022
17/07/2021
15/07/2021
15/07/2021



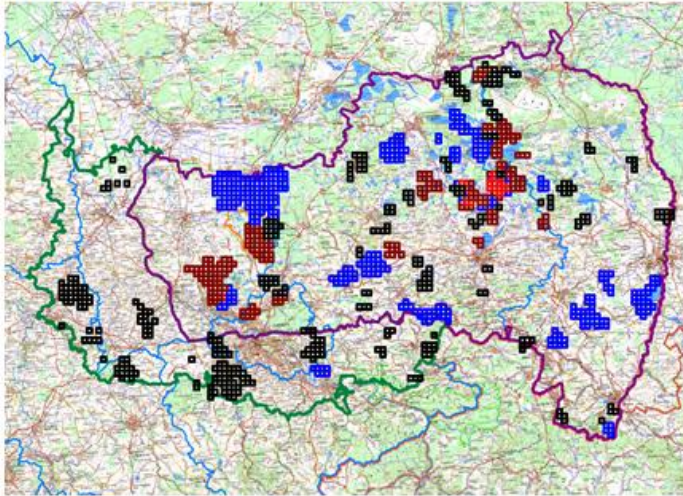
ASF – Saxony (SN)



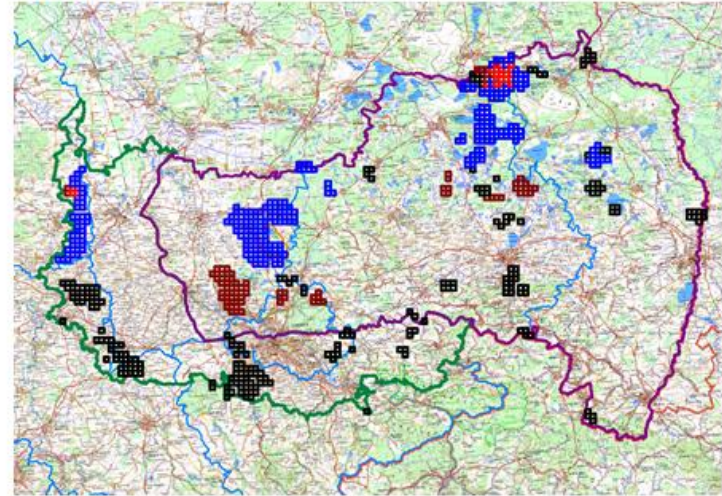
ASF – SN: Carcass Searches



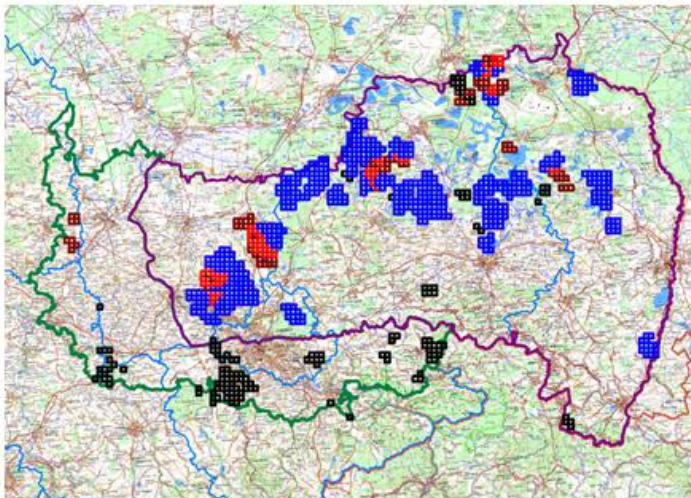
November/December 2022



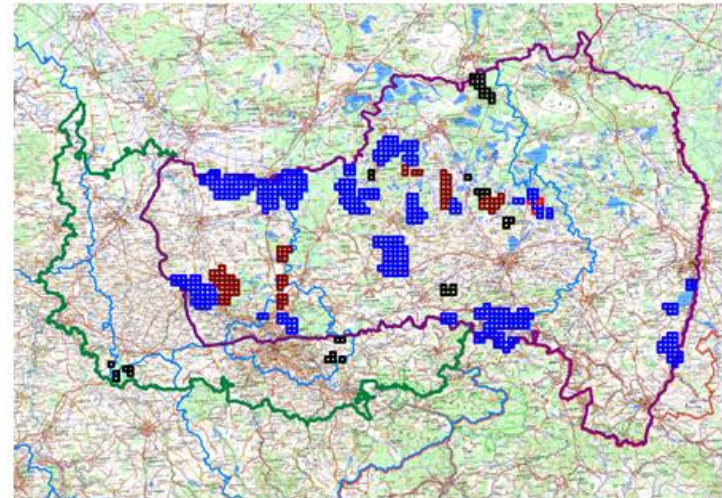
January 2023



February 2023



March 2023 up to 15/03/2023



ASF – SN: Carcass Searches



November/December 2022

January 2023

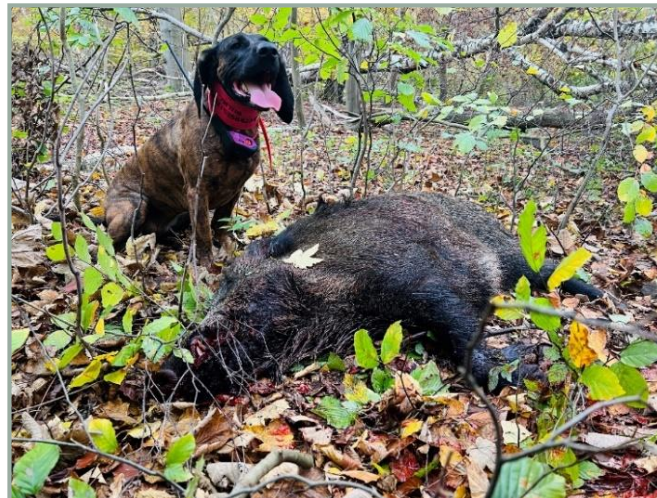
Month/ Year	Volunteers/ authorities		Dog Teams		Drones		TOTAL	
	2022	2023	2022	2023	2022	2023	2022	2023
01	912	420	223	182	503	374	1.638	976
02	1182	204	112	284	447	791	1.741	1.279
03	839	46	367	108	245	437	1.451	591
04	833		244		179		1.256	
05	727		85		23		835	
06	755		156		482		1.393	
07	807		75		428		1.310	
08	1.747		217		301		2.265	
09	496		310		624		1.430	
10	485		273		595		1.353	
11	356		341		458		1.155	
12	476		130		7		613	
SUM	9.615	670	2.533		4.292	1.602	16.440	2.846

Febru



ASF – SN: Carcass Searches with dogs

- area performance: 50-75 hectare/day/dog team
- usually two teams work together (2 dogs + 2 dog handlers), all teams are equipped with GPS
- 70 dog teams bound by contract (one team from Austria)
- dog team operations are coordinated centrally according to priority
- dogs were trained and qualified in 30-day-courses in 2021 and 2022 in Saxony/other Länder
- Western ASF outbreak line is searched regularly and intensively



ASF – SN: Carcass Searches with drones

- area performance: 300-1000 hectare/day
→ significantly higher area performance than with dogs
- well suited for areas difficult to access (e.g. reed) / areas with a ban on entering / open areas
- additionally assessment of wild boar population - for the planning of hunts
- 4 drone companies bound by contract
- 5 teams per operation day available



ASF – SN: Traps and Hunting

134 active traps in the restricted zones

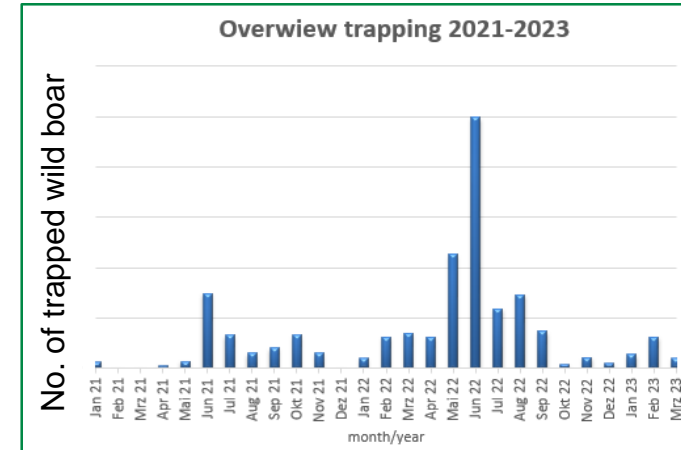
919 animals trapped

2021: 206

2022: 658

2023: 55

Additional 100 traps have been purchased to reduce the wild boar population outside the restricted zones

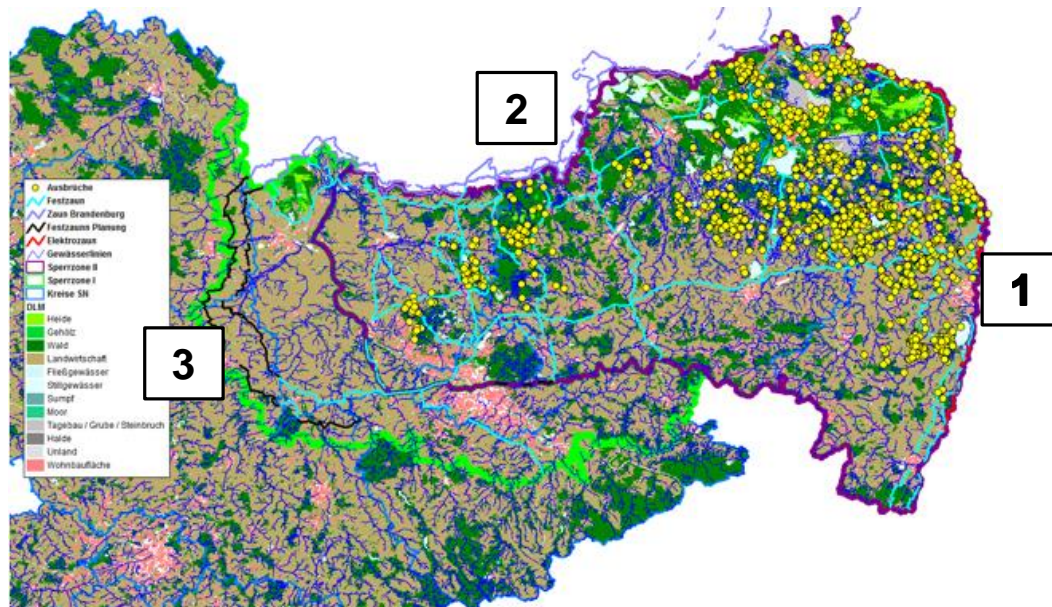


Ongoing special project to increase hunting activities in districts Görlitz and Bautzen:

Data from 01/04/2022-31/12/2022:

- 177 harvest hunts
- 54 driven hunts
- 8 trainings on trap hunting for 60 hunters
- 16 of 50 procured net traps are working in the areas
- funding of the project until 31.03.2023 to a maximum of € 1.57 million

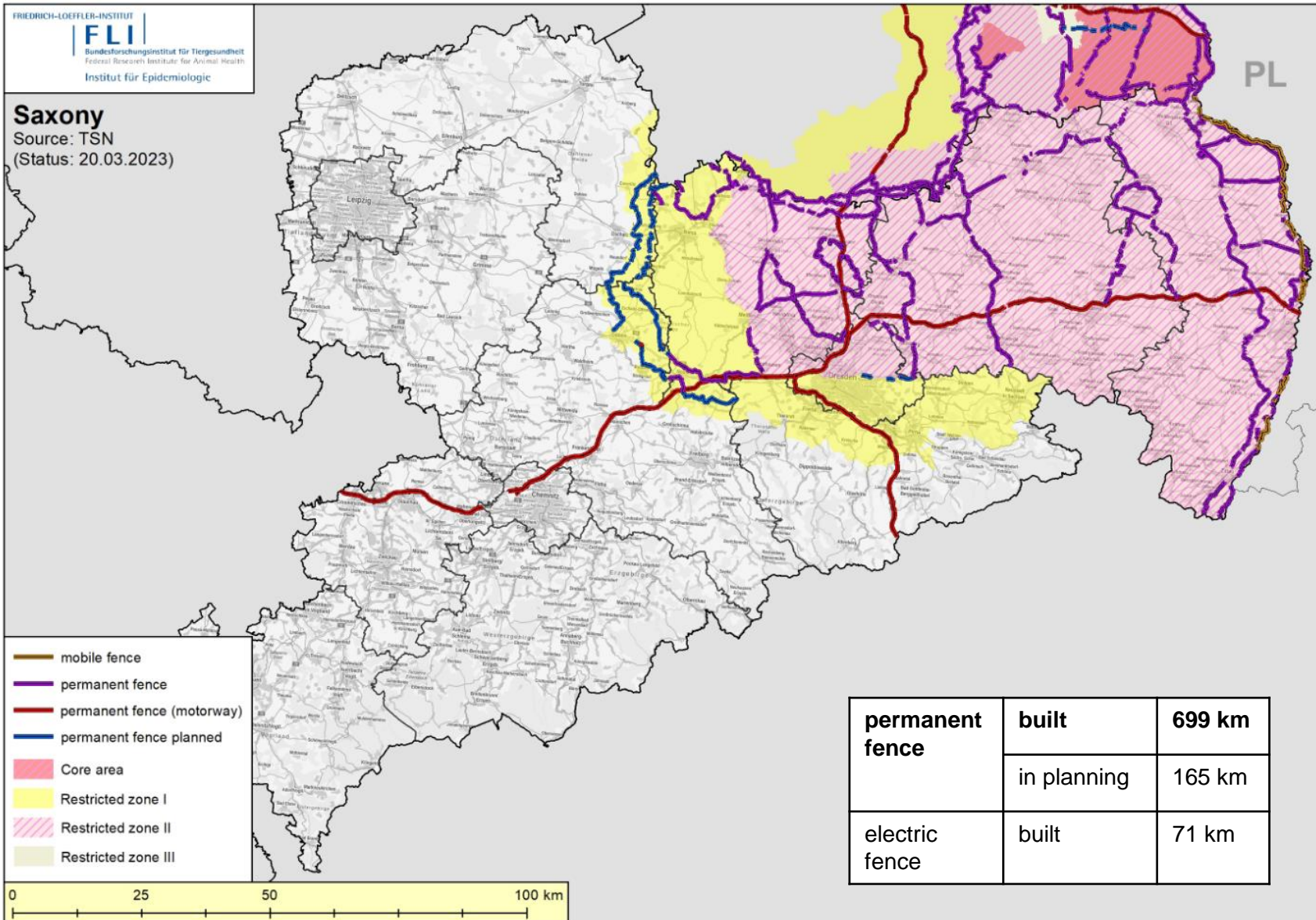
ASF – SN: Fences I



Protection Corridor Concept / White Zones

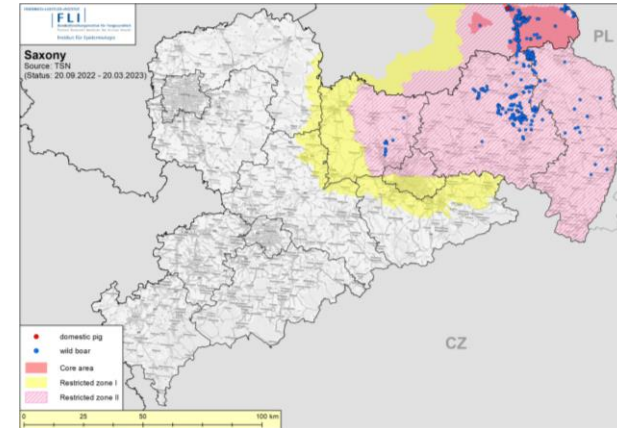
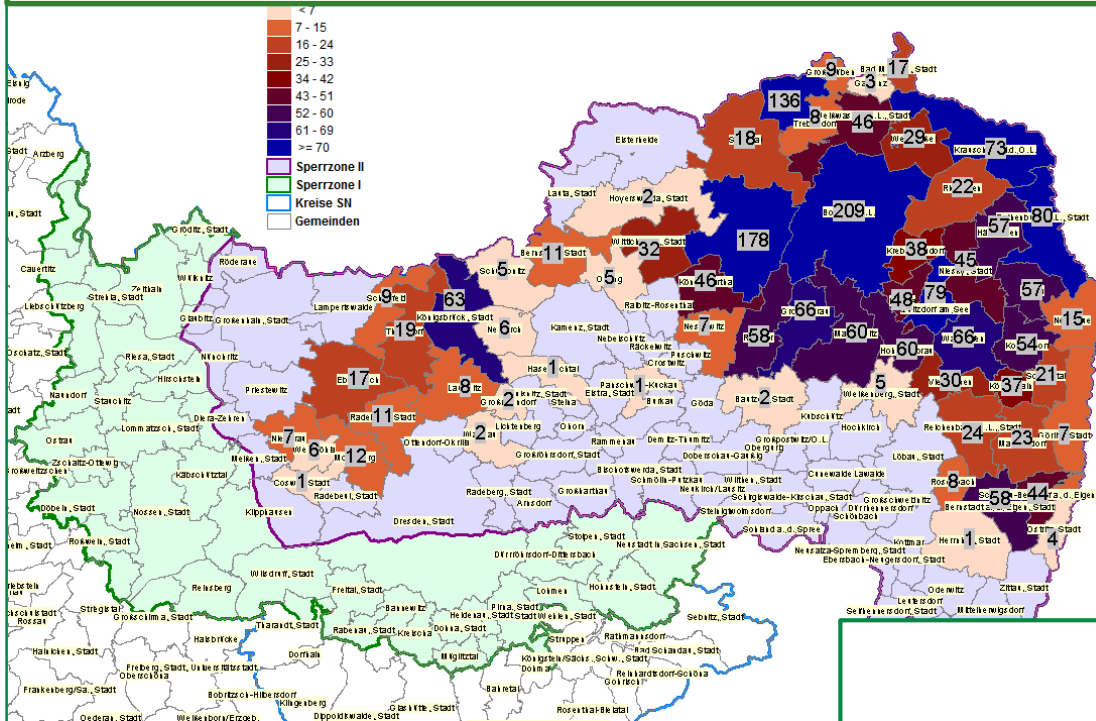
1. Border DEU-POL: permanent double fencing construction finished; enhanced hunting to create a white zone started; information campaign for hunters increased
1. Saxony-Brandenburg: permanent double fencing construction finished; enhanced hunting to create a white zone started; information campaign for hunters increased
1. Saxony-Western Germany: under construction

ASF – SN: Fences II



ASF – SN: Surveillance

Number of ASF-cases WB/ district 31/10/20-16/03/23



Core area (Meißen) lifted on 14/02/2023

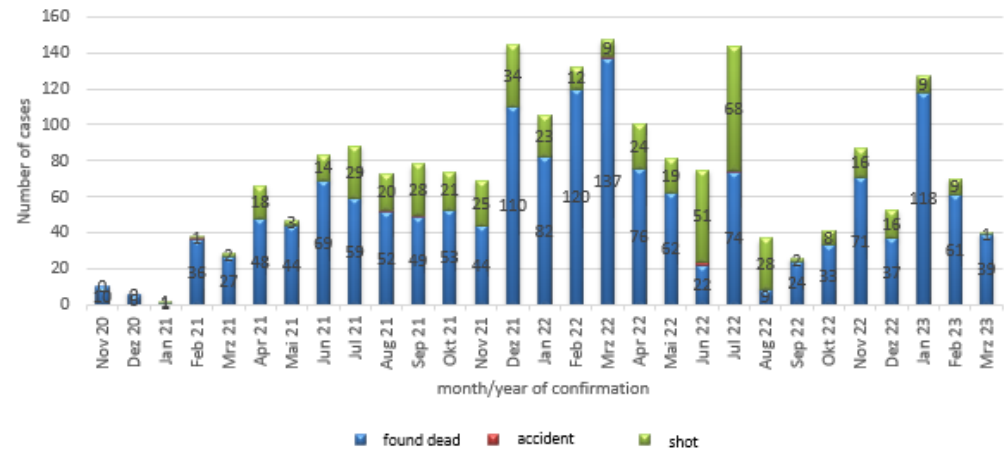
Date: 16/03/2023



Bundesministerium für Ernährung und Landwirtschaft

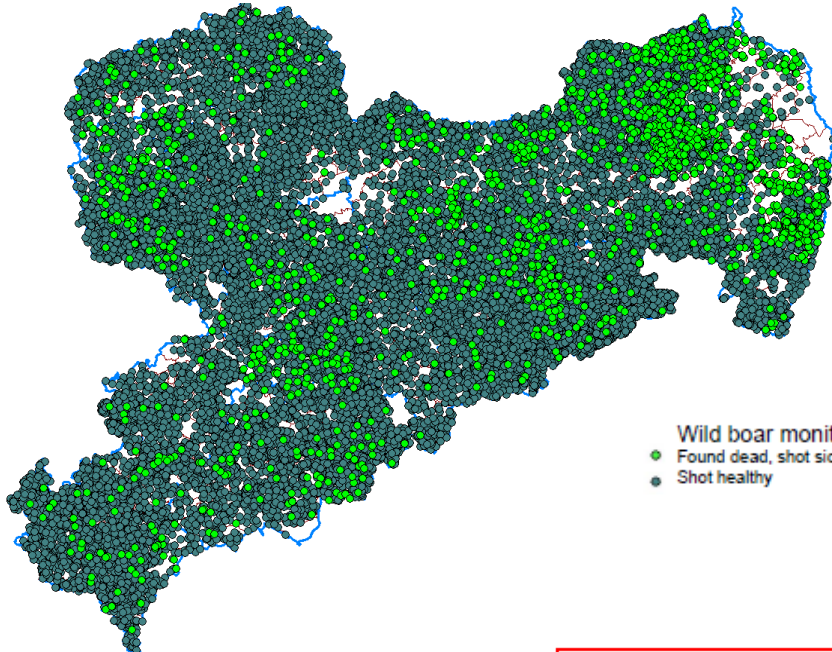
31/10/20-16/03/23	
District	cases per district
Görlitz	1413
Bautzen	577
Meißen	82
total	2072

ASF cases wild boar found dead/accident/shot

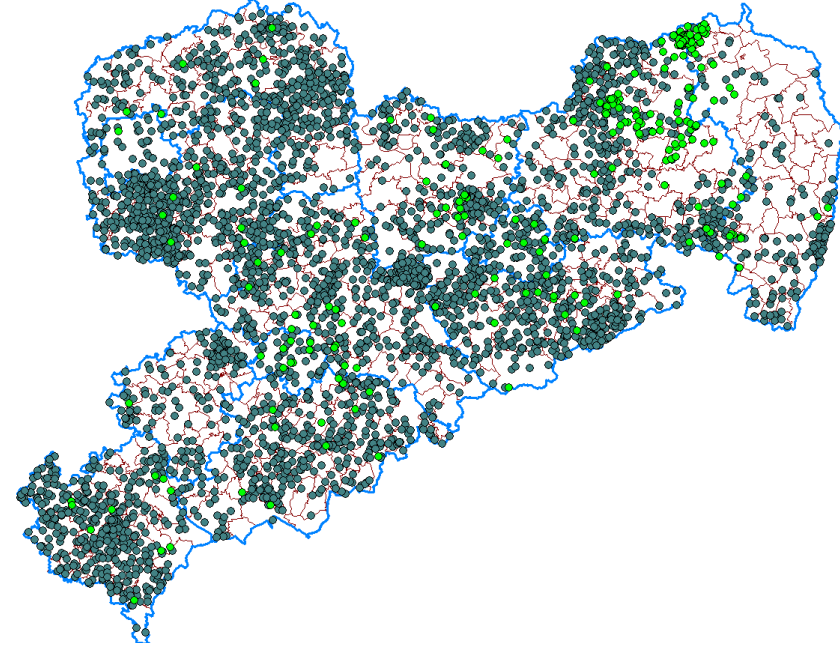


ASF – SN: Monitoring

CSF/ASF-Database 2022



CSF/ASF-Database 01/01/23 – 07/03/23



Wild boar monitoring Saxony
 ● Found dead, shot sick, killed by accident
 ● Shot healthy

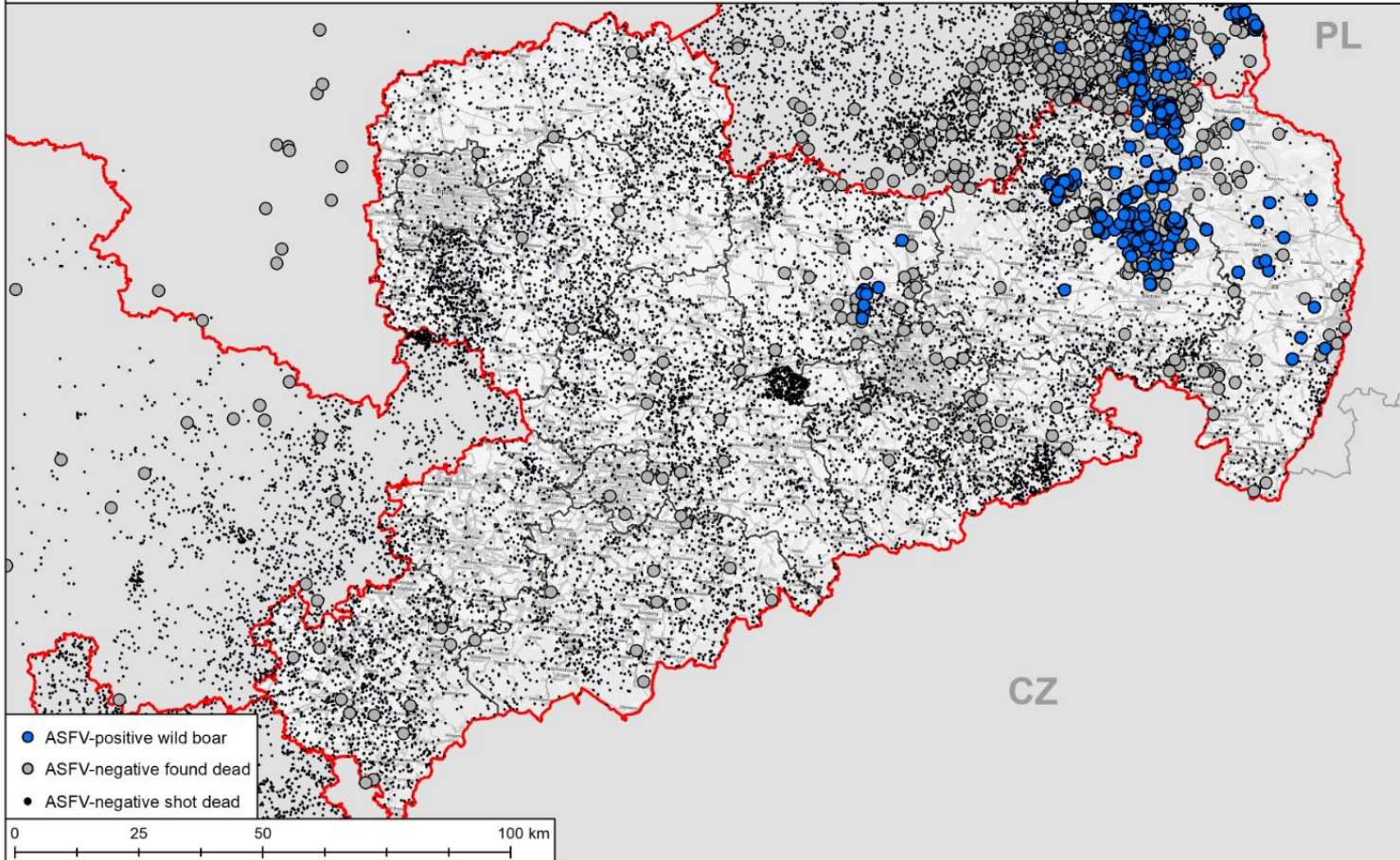
SN	Period	BZ	GR	MEI	DD	SOE	MSN	TDO	Z	LL	LS	V	C	Erz
26.040	Year 22	4.544	2.110	1.545	472	3.641	2.656	2.383	1.044	3.192	211	1.929	215	2.098
2456	Jan 23	288	239	127	29	269	366	225	102	341	13	223	20	214
1288	Feb 23	204	53	86	40	123	136	132	46	178	16	152	19	103
352	Mrz 23	29	19	18	20	37	50	46	9	45	2	39	5	33
4.096	Year 23	521	311	231	89	429	552	403	157	564	31	414	44	350

ASF – SN: Monitoring

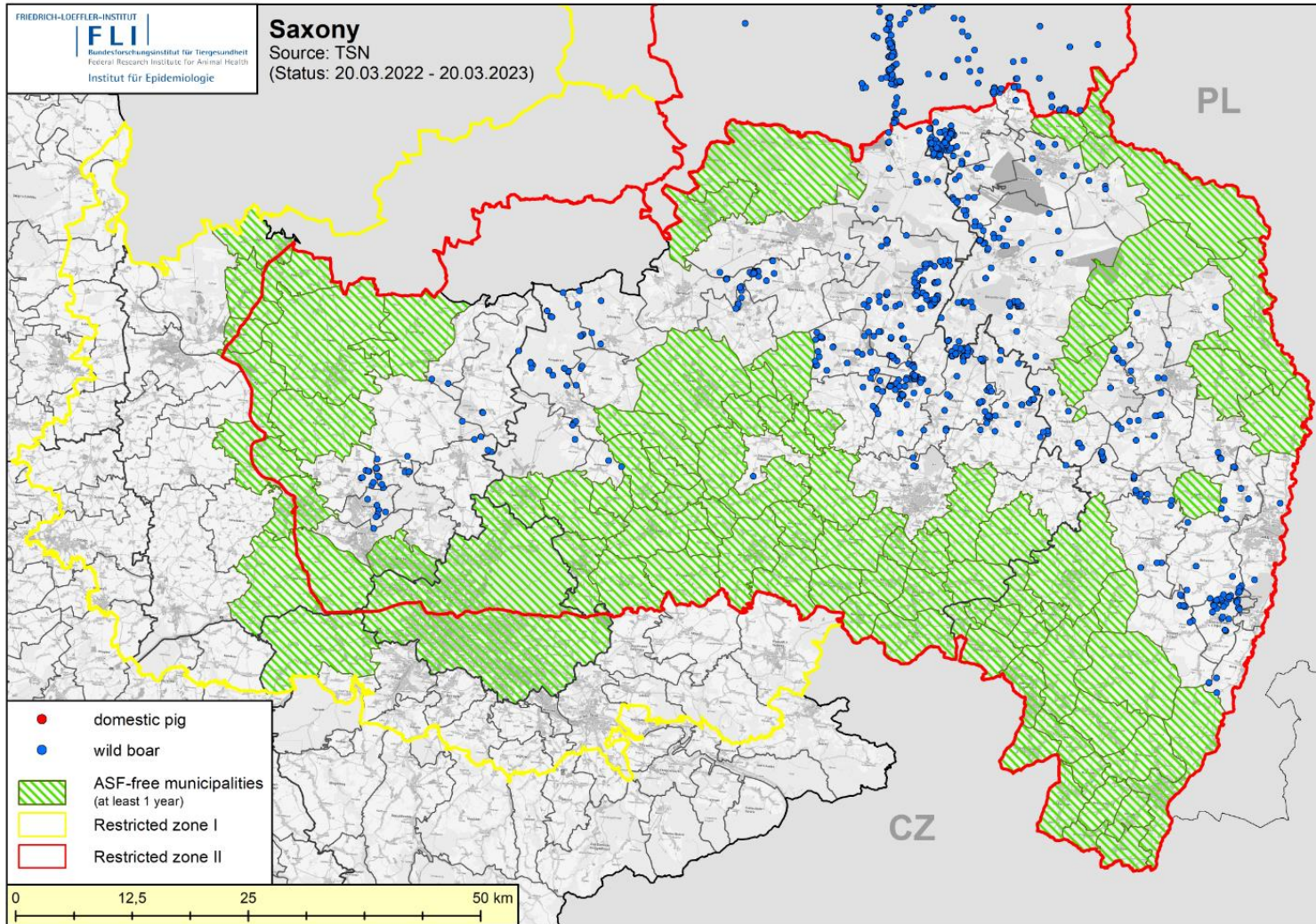
African Swine Fever active and passive surveillance in Saxony

Source: EURL CSF/ASF-WB-DB (Status: 20.09.2022 - 20.03.2023)

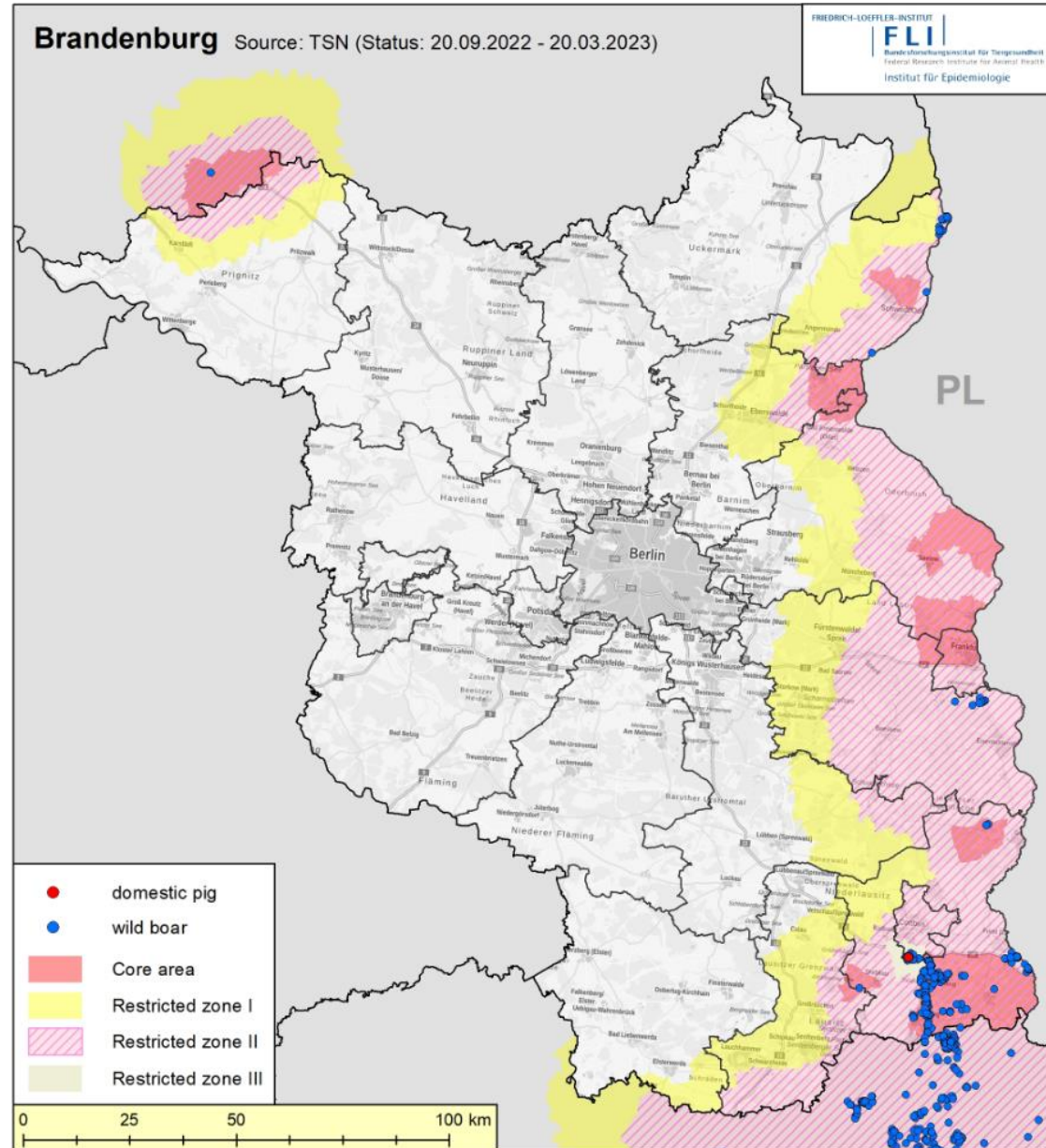
FRIEDRICH-LOEFFLER-INSTITUT
FLI
Bundesforschungsinstitut für Tiergesundheit
Federal Research Institute for Animal Health
Institut für Epidemiologie



ASF – SN: Communities

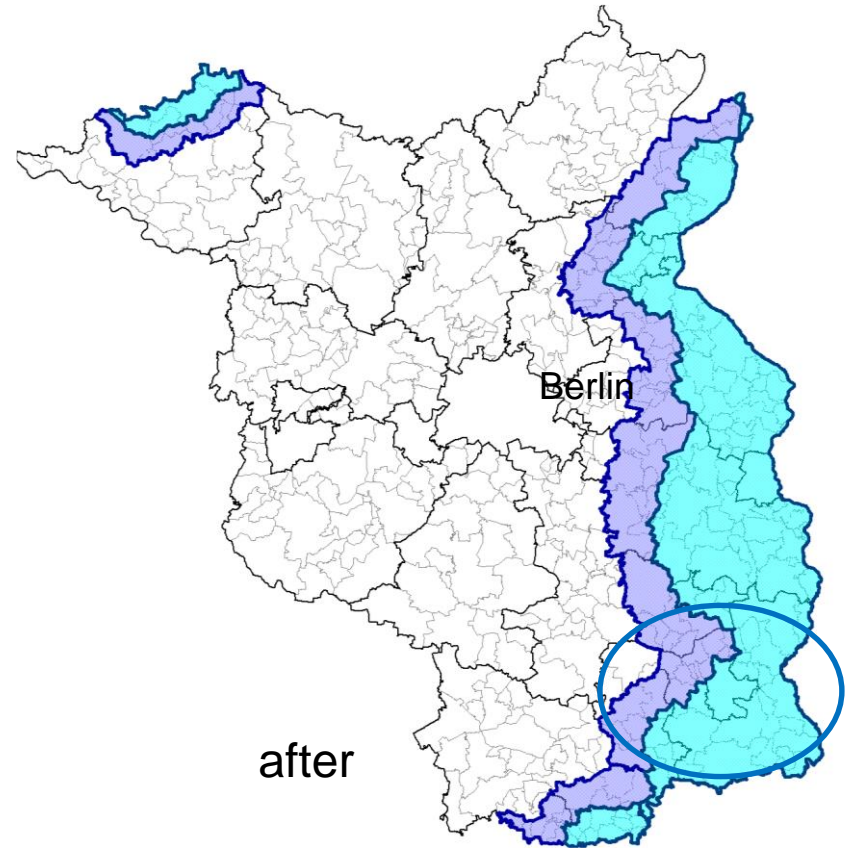
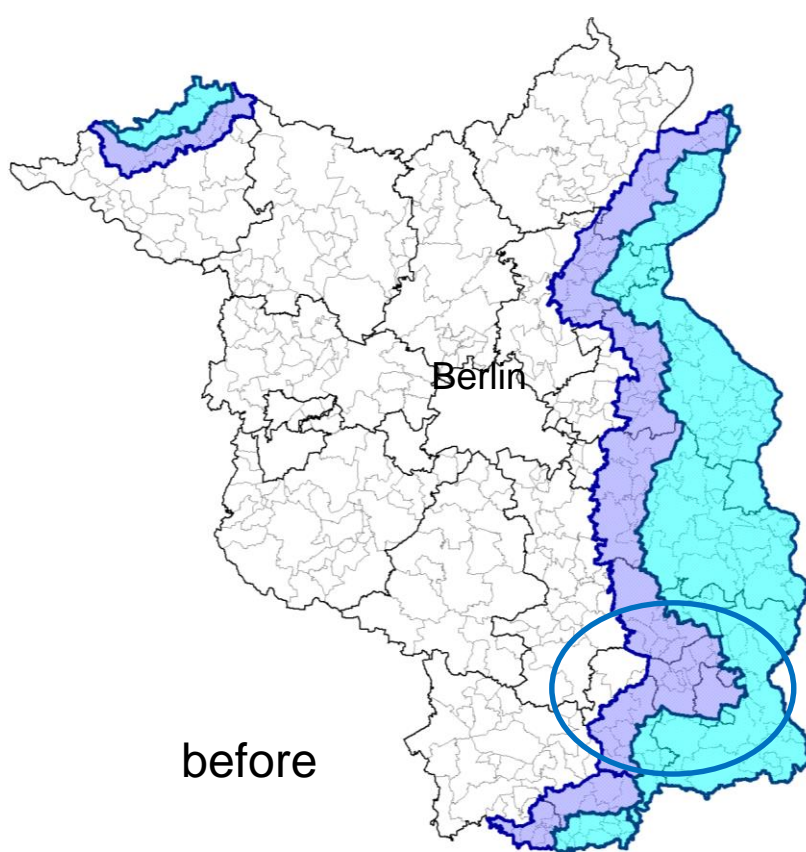


ASF – Brandenburg (BB)

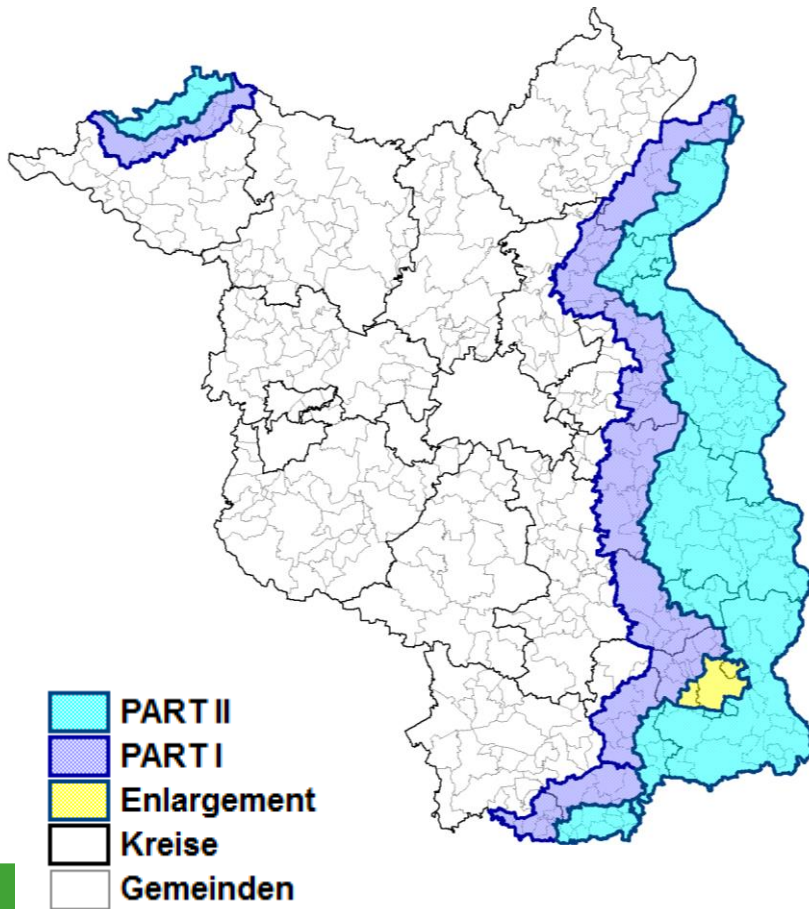


ASF – BB: RZ I and II

Enlargement of RZ II



ASF – BB: RZ I and II

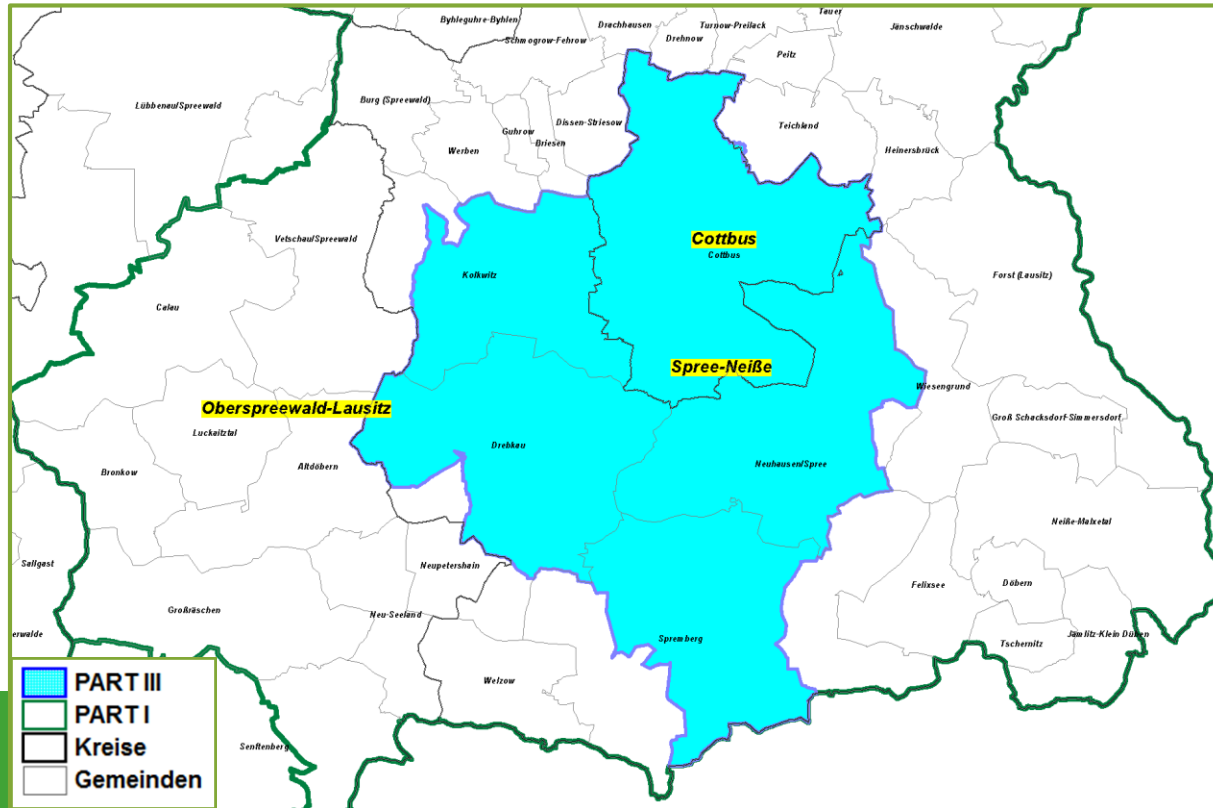


Due to outbreaks of ASF in wild boars in Cottbus, the RZ II of the district Spree-Neiße was extended.

Additional measures in the newly extended RZ II

- Extensive area-wide, systematic carcass search with volunteers/authorities, drones and dog teams
- Use of the police helicopter and drone technology to detect wild boars
- Increase of wild boar trapping
- Sampling of all dead/car accident- wild boar finds as well as sampling of all hunted wild boar

ASF – BB: RZ III



Measures in accordance with Delegated Regulation (EU) 2020/687:

- Section 1, Article 21 (1) a) and b); establishment of restricted zone III consisting of a protection zone (3 km radius) and a surveillance zone (10 km radius) around the outbreak
- and in accordance with Section 2, Measures to be applied on holdings in the protection zone where animals of listed species are kept.
- and in accordance with Section 3, Disease control measures in the surveillance zone, Measures to be applied on holdings in the surveillance zone.

Measures in accordance with Delegated Regulation (EU) 2021/605 including movement restrictions



ASF – BB: RZ III

Outbreak establishment: 11 pigs (2 sows, 1 boar, 8 fattening pigs)

Pigs, sheep, cattle, ducks, equines

26.02.2023 1 pig (<10 months) dead, tested

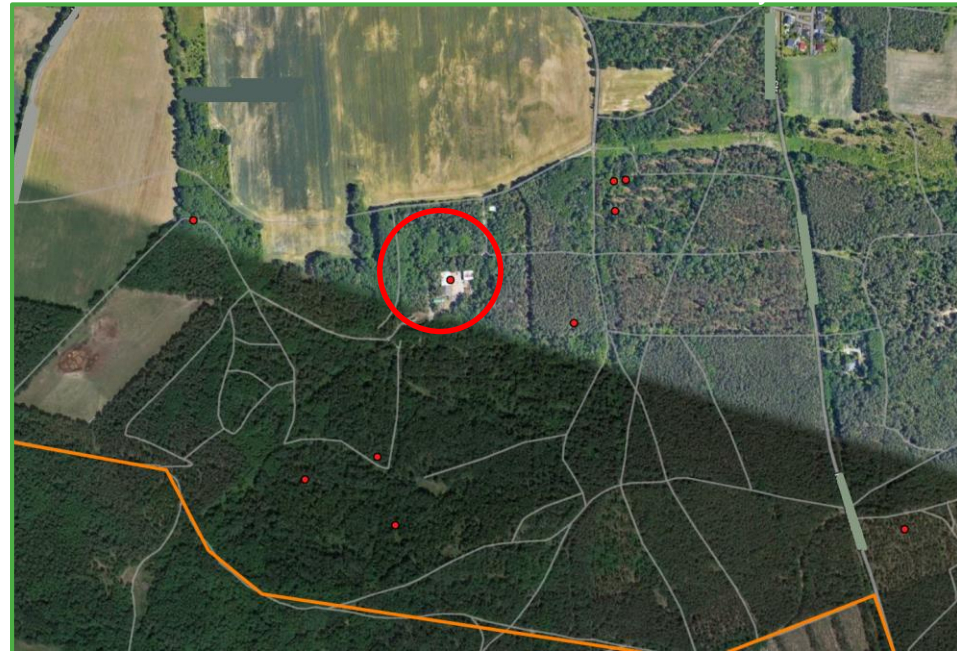
27.02.2023 State laboratory: +

28.02.2023 NRL: +

28.02.2023 all pigs culled
6 pigs: ASPV +
4 pigs: ASPV -
all pigs: ASPV-AK -

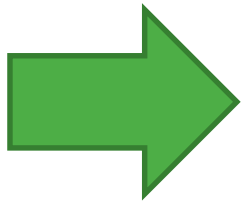
The 11 pigs were bred on the farm and none were sold.

21.02.2023: 1 pig slaughtered, ASF -



ASF – BB: RZ III

Outbreak establishment: 11 pigs (2 sows, 1 boar, 8 fattening pigs)
Pigs, sheep, cattle, ducks, equines



Epidemiological investigations are ongoing but the first tests show a close relationship between the virus found in the outbreak establishment and the wild boars close by.



ASF – BB: RZ III

Protection zone (DR (EU) 2020/687)

Pig holdings: 3 (1 outbreak establishment, Pigs: 9 killed)

Pigs 4

Establishment in the protection zones was controlled immediately: **no ASF was found!**

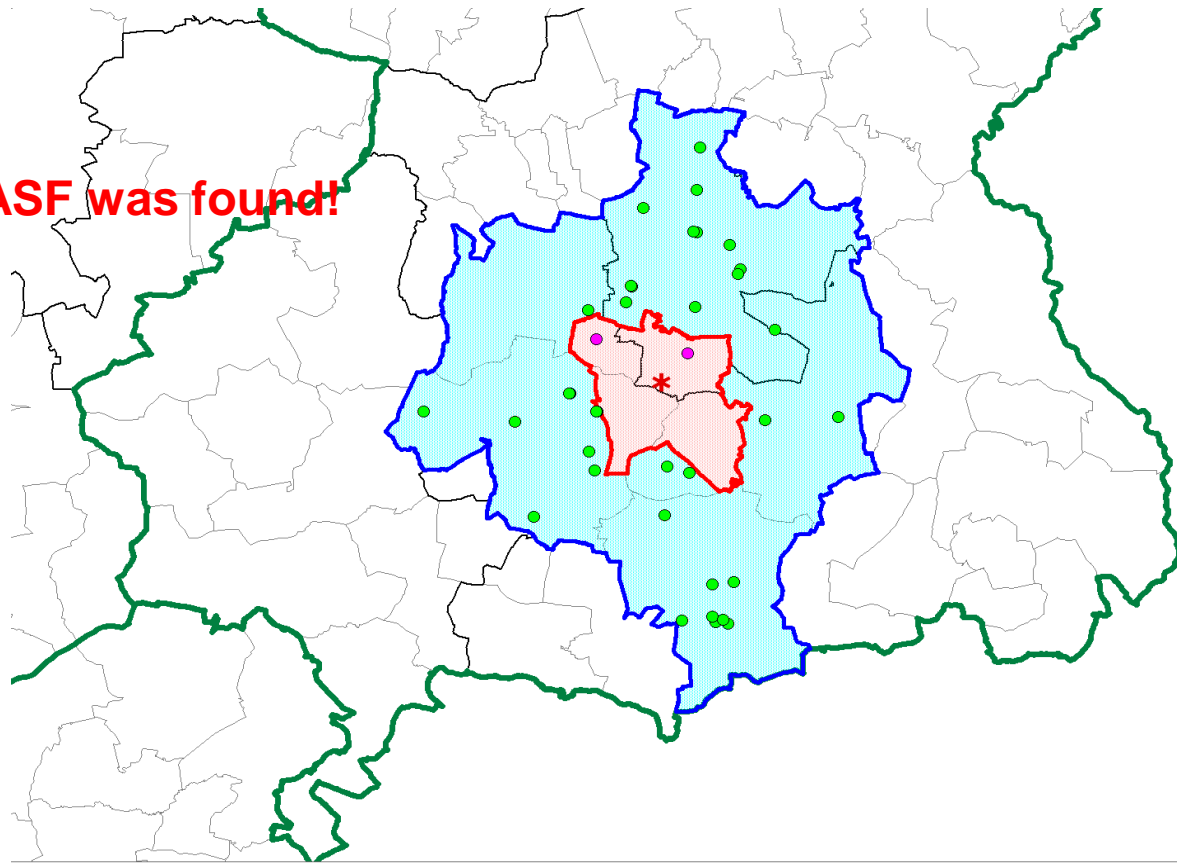
Surveillance zone (DR (EU) 2020/687)

Pig holdings: 31

Pigs 3.665

Controls are ongoing, so far: **no ASF was found!**

- * Outbreak establishment
- Establishments in the protection zone
- Establishments in the surveillance zone
- Protection Zone
- Surveillance Zone
- RZ I
- Districts
- Communities



ASF – BB: Carcass search

BB trained 101 dog teams
65 dog teams are active right now



ASF – BB: Carcass search

January-Mid March 2023:

BB carried out approximately **315** extensive, area-based, systematic carcass search operations with volunteers/authorities, dog teams and with the support of drone technology



ASF – BB: Traps



Wire netting trap, active



Wire netting trap, engaged



Lotin-trap for wild boar sow, piglets, juveniles;
Pigbrig trap



Coral – familiarisation phase



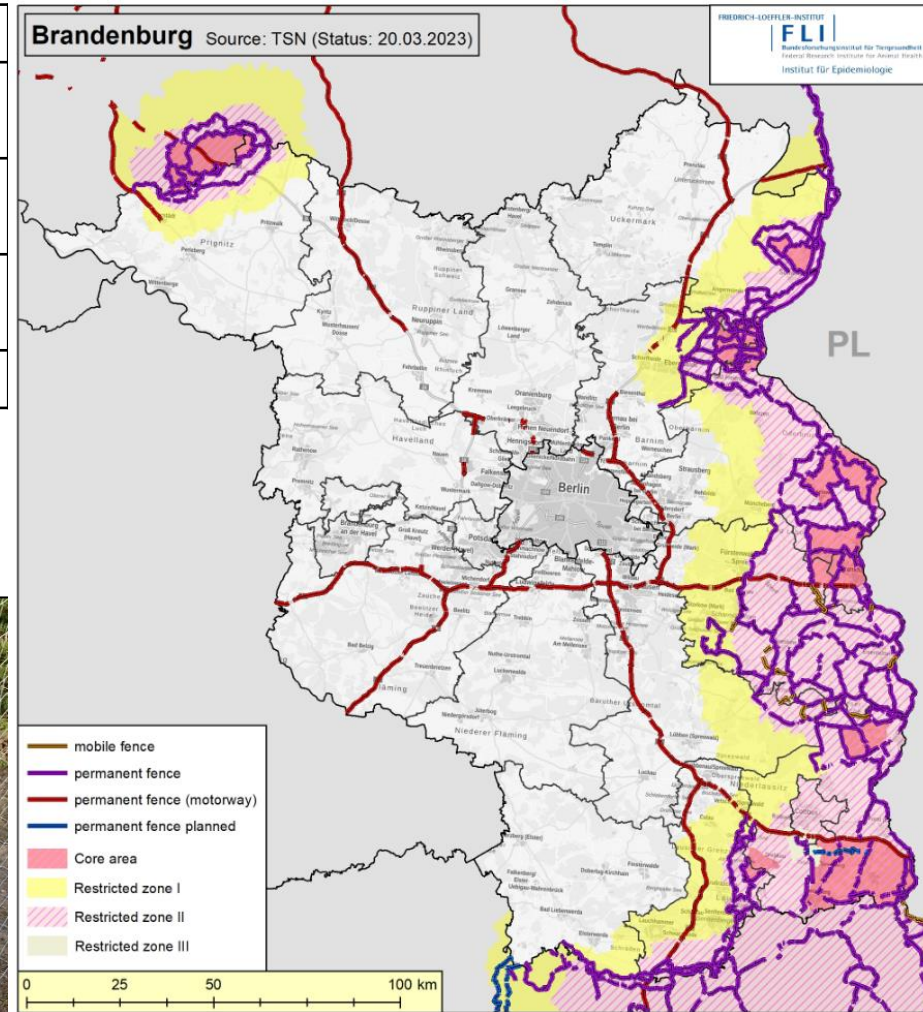
Thermal image sounders entering coral



Wild boar sow and wild boar piglets

ASF – BB: Fences

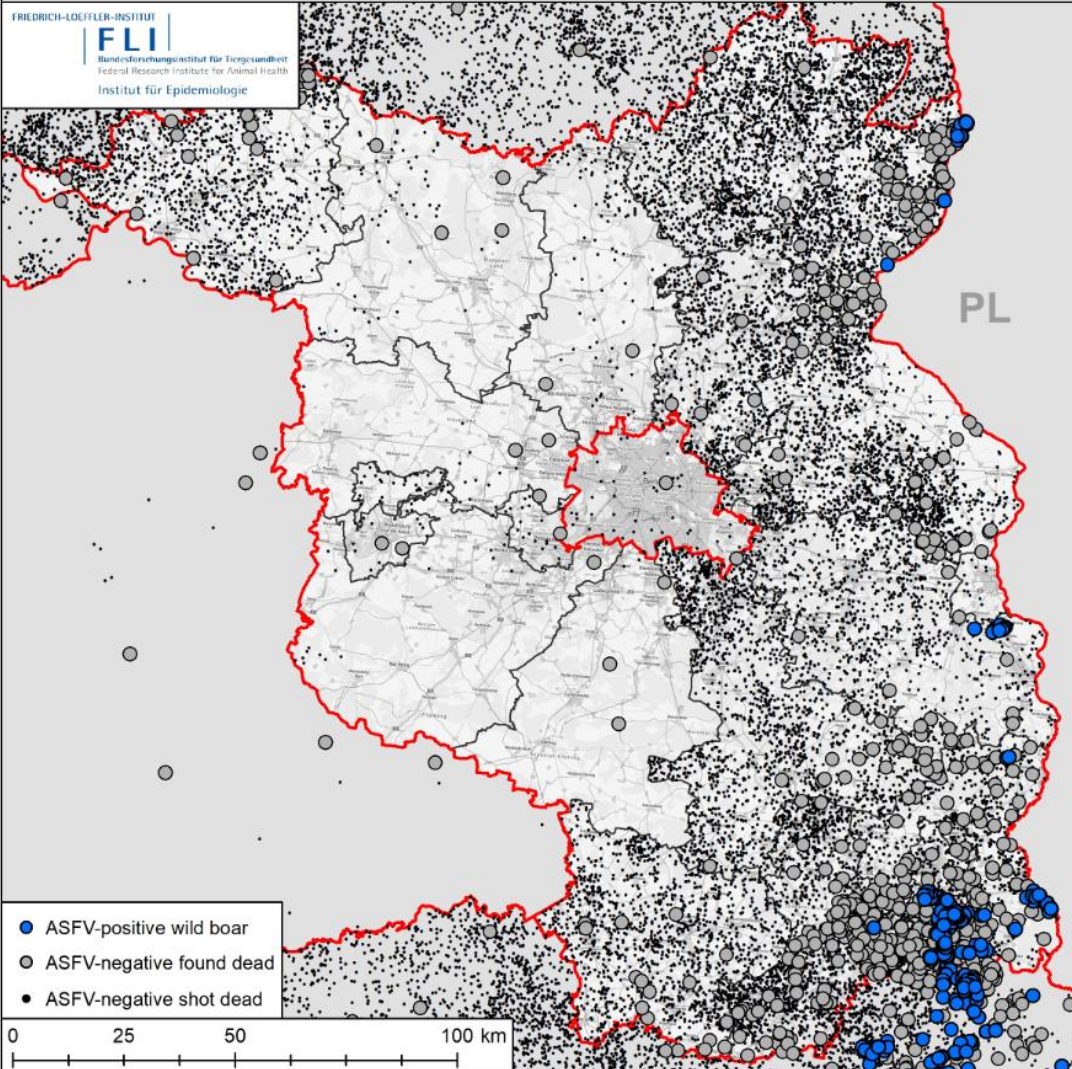
Permanent fence	Location
256,9 km	Border DEU/POL (first fence)
281,3 km	Border DEU/POL (second fence)
ca. 1.550 km	Core areas/ White zone / Border BB/SN
ca. 2.100 km	TOTAL



ASF – BB: Monitoring

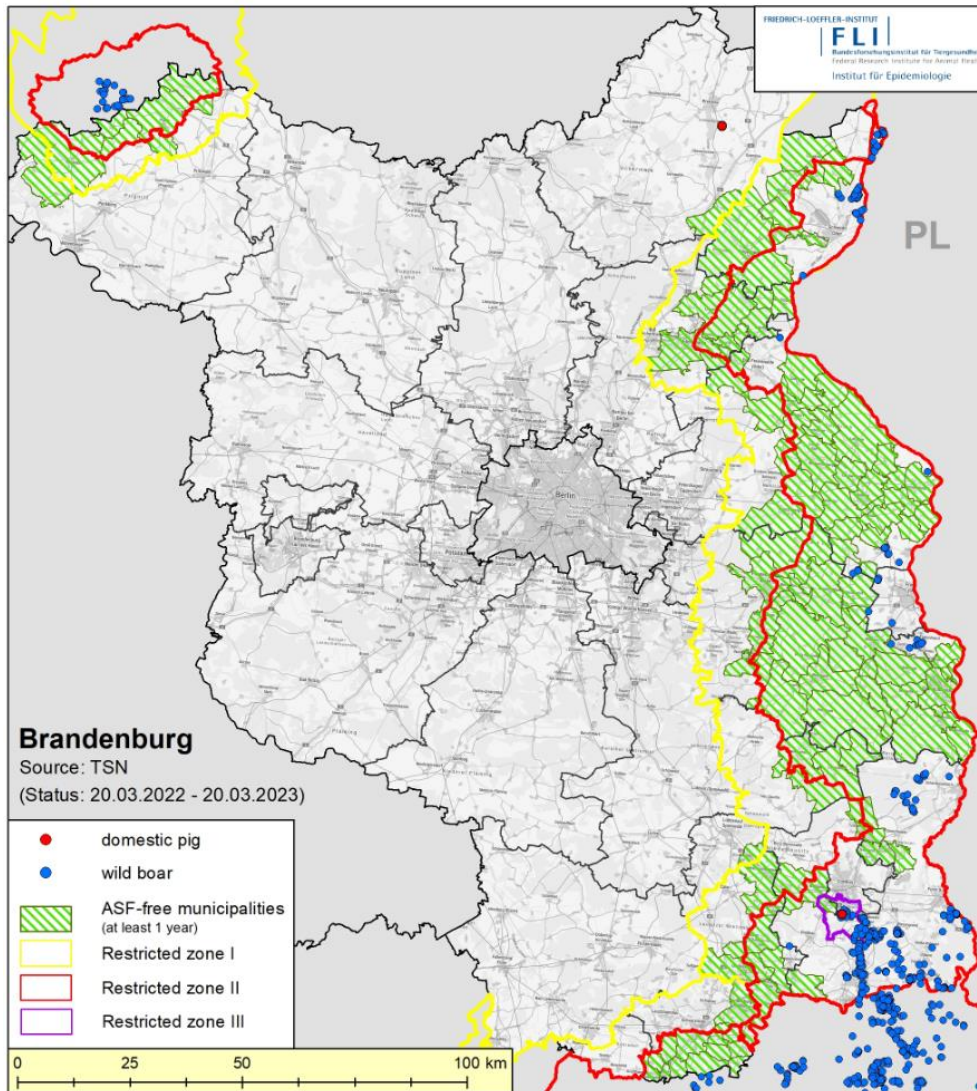
African Swine Fever active and passive surveillance in Brandenburg

Source: EURL CSF/ASF-WB-DB (Status: 20.09.2022 - 20.03.2023)



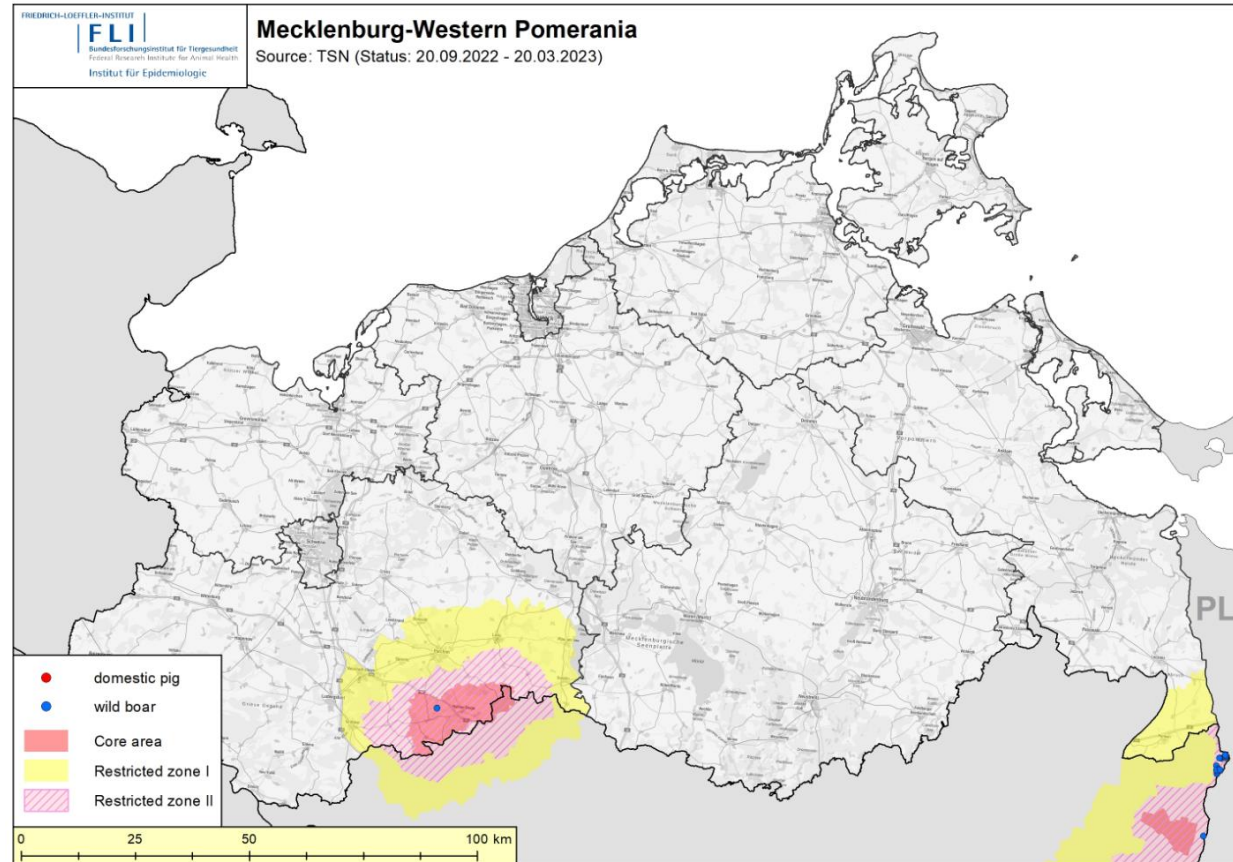
Bundesministerium
für Ernährung
und Landwirtschaft

ASF – BB: Free communities



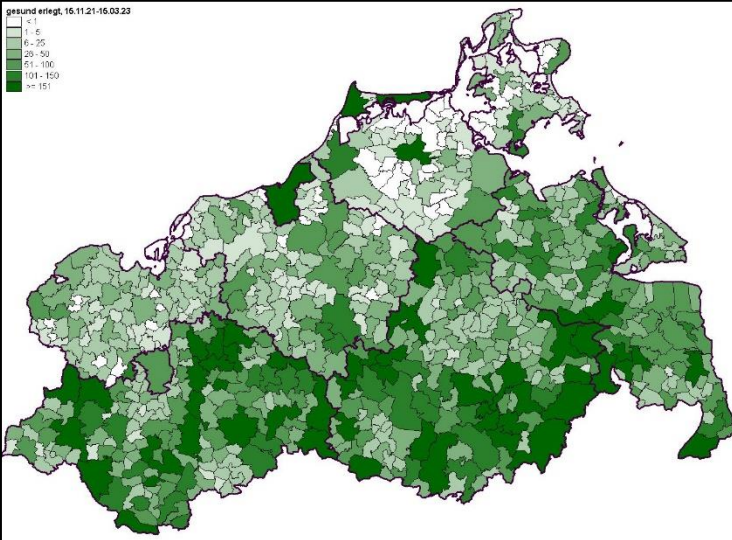
Communities: either never affected or free again of ASF

ASF – Mecklenburg-Western Pomerania (MV)

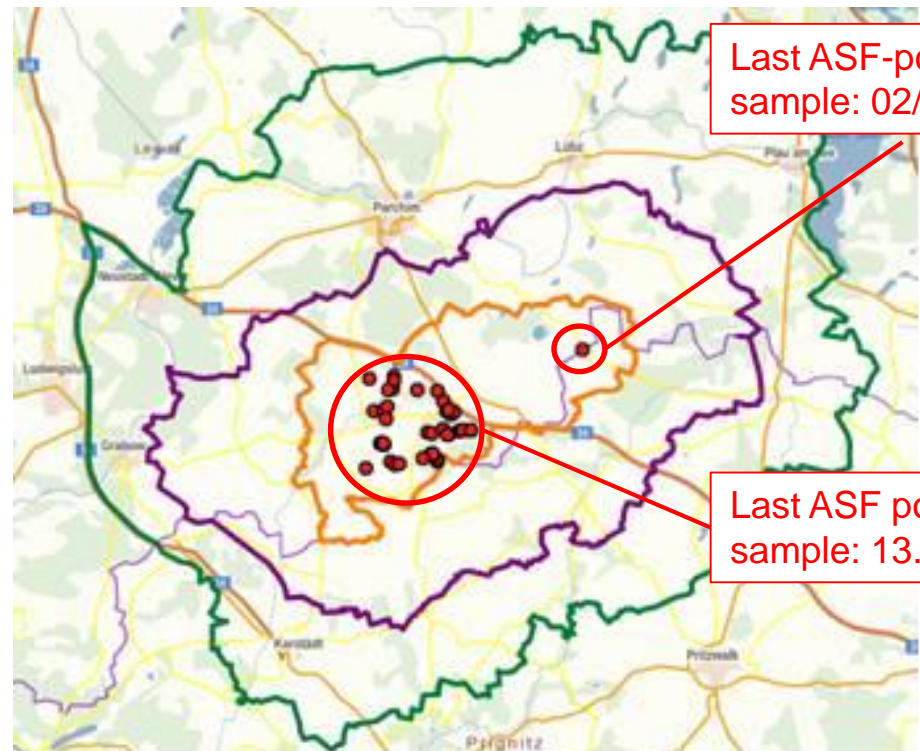


ASF – MV: Surveillance

Shot healthy 2021 - 2023



Nov 2021- 15 Mar 2023	Samples District LUP	Samples District VG	Samples MV
Negative	12.854	9.037	39.878
Positive	47	0	47
TOTAL	12.901	9.037	39.925



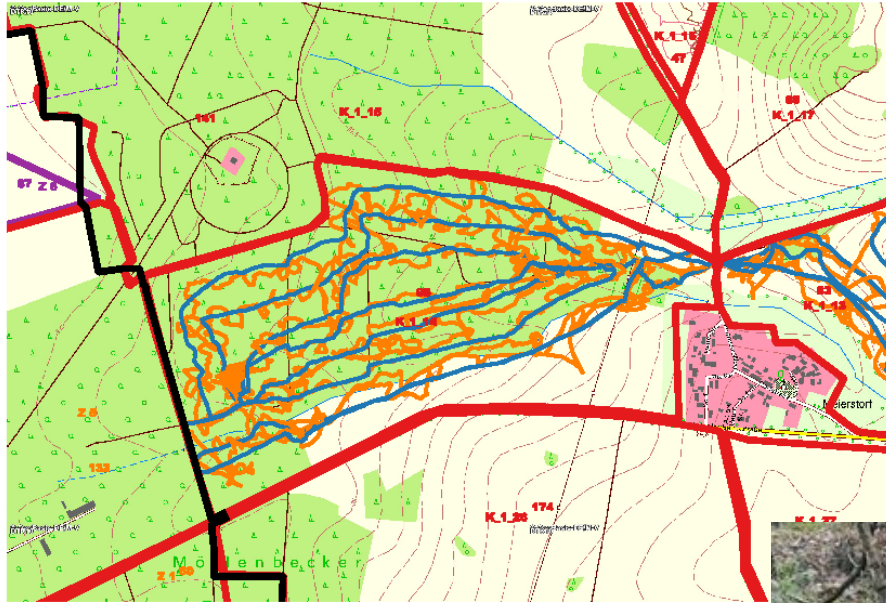
Last ASF-positive
sample: 02/12/2021

Last ASF positive
sample: 13.10.2022



ASF – MV: Carcass Searches

Dog teams



ASF – MV: Carcass Searches

RZ II (incl. White Zone and Core area)

- 209 Search Areas (Sizes differ between 1-3km²)
- approx. 70 dog teams under contract, 20 dog teams active/day
- Until now over 2.200 search days



Biosecurity:
Recovery and Disposal:
Equipment recovery team and
disinfection on-site



ASF – MV: Carcass Searches

Biosecurity: Recovery and Disposal –
Disinfection of Equipment, Animals and Disposal



ASF – MV: Hunting methods

Infrastructure: mobile 4x4 control centres with antenna masts



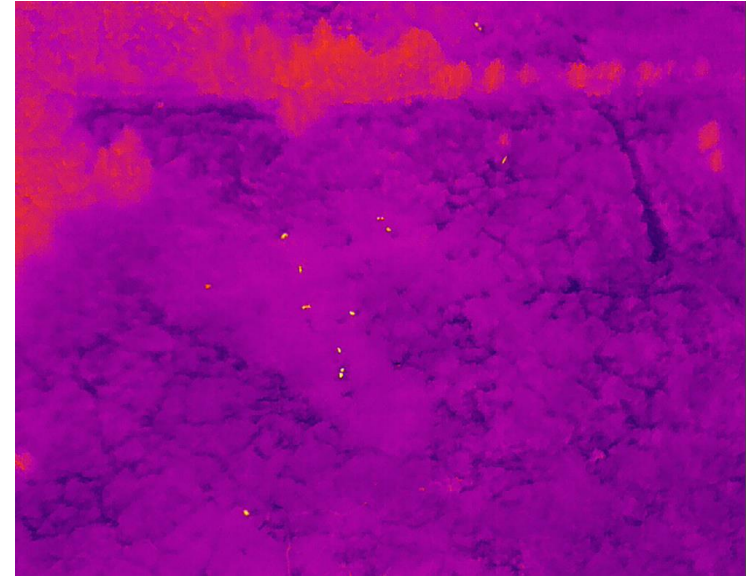
ASF – MV: Hunting methods

Infrastructure: mobile 4x4 control centres with antenna masts



ASF – MV: Hunting methods

Camera shots from 250 m altitude

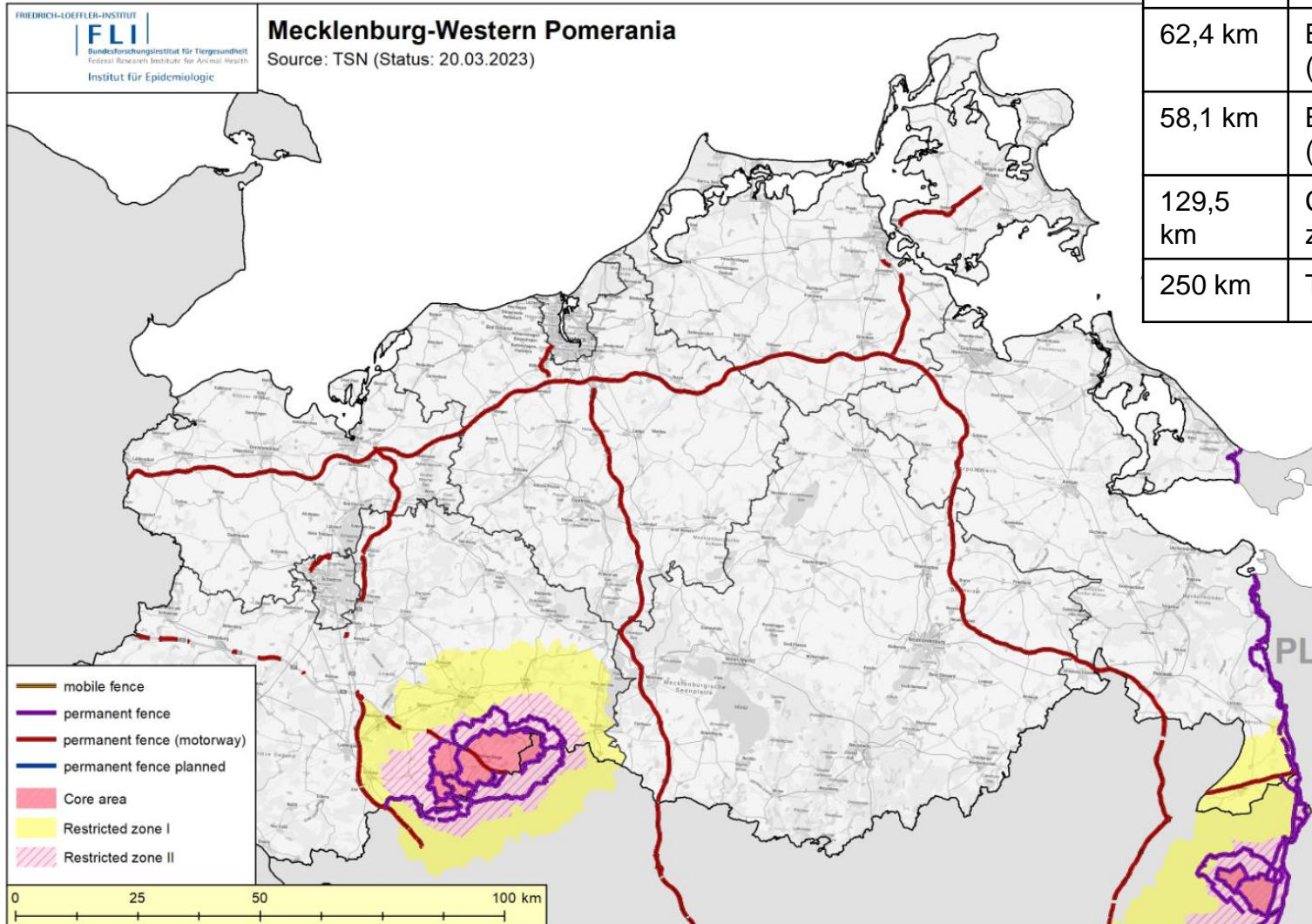


ASF – MV: Traps

Variants of Wild Boar Traps



ASF – MV: Fences



Perman ent fence	Location
62,4 km	Border DEU/POL (first fence)
58,1 km	Border DEU/POL (second fence)
129,5 km	Core areas / White zone
250 km	TOTAL

ASF – MV: Monitoring

year		wb shot healthy		wb shot sick or accident		unknown		
		shot healthy	ASF pos.	Samples	ASF pos.	Samples)	ASF pos.	
2021	Nov-Dez	6.896	3	193	3	441	1	7.537
2022	Jan-Dez	24.106	0	402	26	1.853	14	26.401
2023	Jan-15. März	4004	0	126	0	415	0	4545
TOTAL		35.006	3	721	29	2.709	15	38.483

year		Domestic pigs		
		samples	ASF Monitoring.	ASF pos.
2021	Nov-Dez	2.426	1.366	4 (1 holding)
2022	Jan-Dez	9.379	7.273	0
2023	Jan-16. März	1647	1336	0
TOTAL		13.452	9.975	4

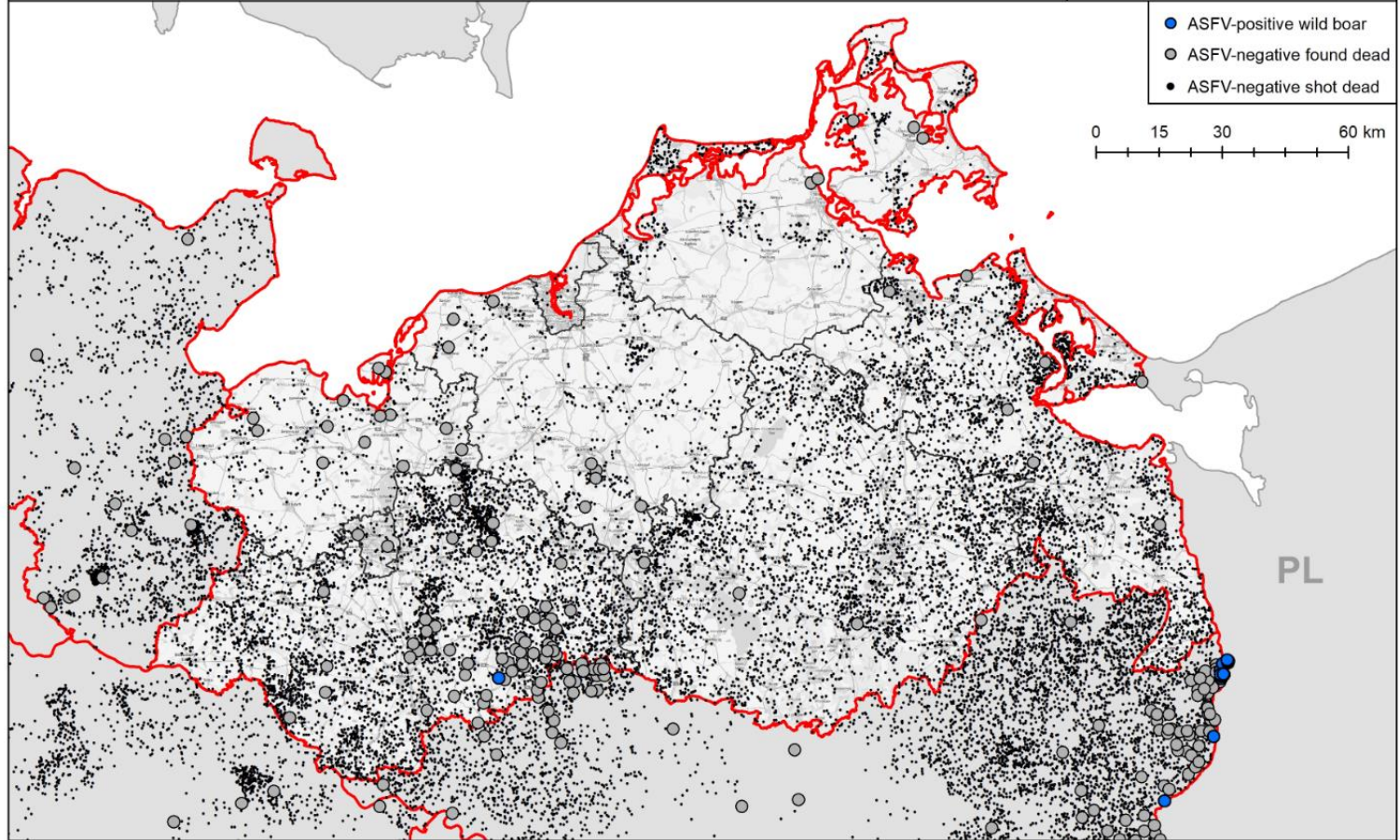
Monitoring programme/establishments	
District MSE	27
District LRO	23
District VR	6
District NWM	20
District VG	11
District LuP	29
TOTAL	116

ASF – MV: Monitoring

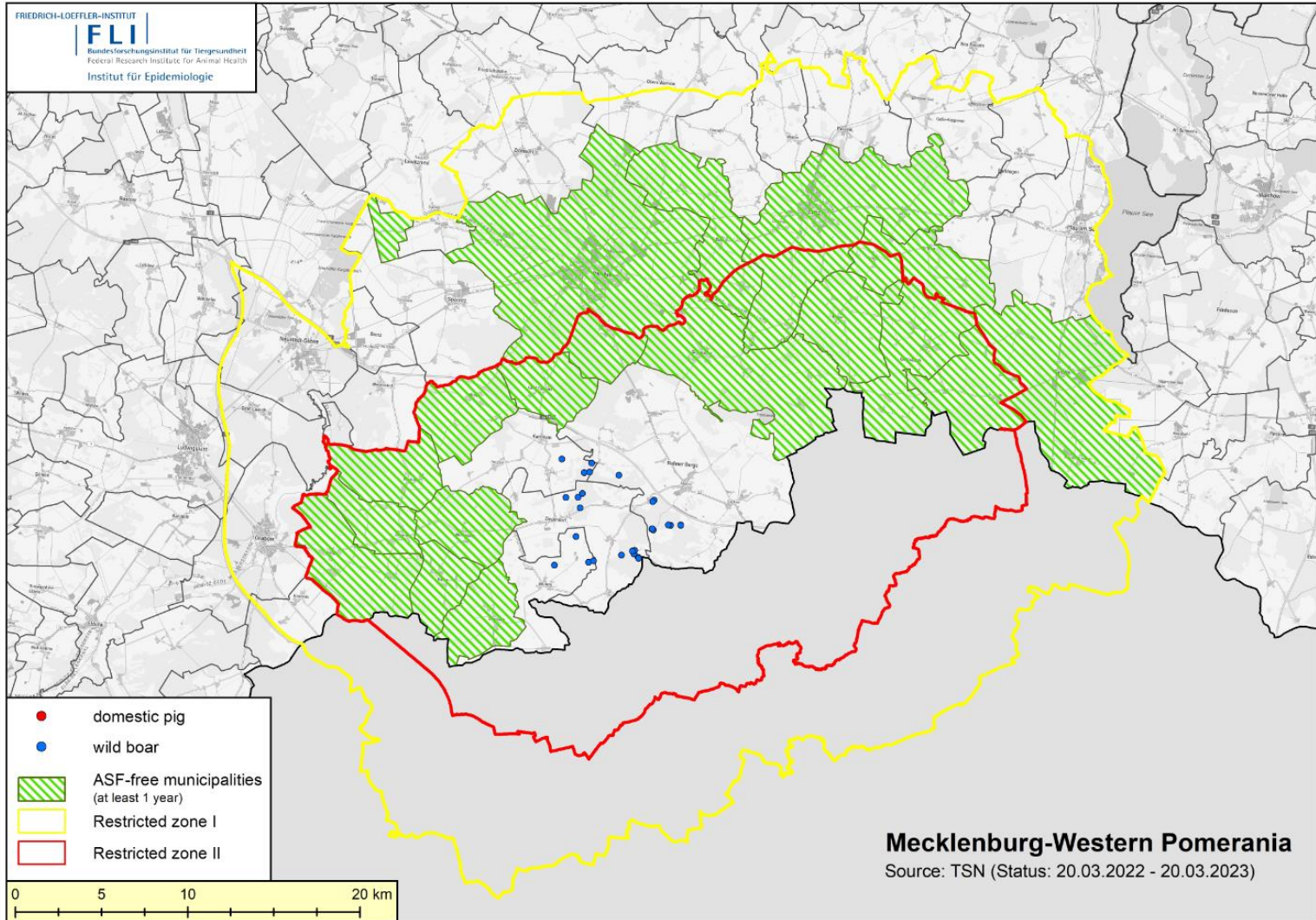
African Swine Fever active and passive surveillance in Mecklenburg-Western Pomerania

Source: EURL CSF/ASF-WB-DB (Status: 20.09.2022 - 20.03.2023)

FRIEDRICH-LOEFFLER-INSTITUT
FLI
Bundesforschungsinstitut für Tiergesundheit
Federal Research Institute for Animal Health
Institut für Epidemiologie



ASF – MV: Community level



ASF – Practical Information provided by Brandenburg



Thank you for your attention!

Contact:

Federal Ministry of Food and Agriculture
Directorate 3
Division 323 – Animal Diseases - EU-Trade, International Affairs, Crises Centre
323@bmel.bund.de

Desk Officer:
Gunda Lubek
323@bmel.bund.de
www.bmel.de

<p>Ausbreitung der Afrikanischen Schweinepest in Deutschland verhindern</p> <p>Was sollten Jagdreisende in ASP-Risikogebiete in Osteuropa beachten?</p>  <p>Alle Gegenstände, die mit Wildschweinen in Kontakt gekommen sein können, gründlich reinigen und desinfizieren.</p> <p>bmel.de</p>	<p>Ausbreitung der Afrikanischen Schweinepest in Deutschland verhindern</p> <p>Was können Jäger tun?</p>  <p>Verstärkte Bejagung ist eine Reduktionsmaßnahme gegen die Ausbreitung der Seuche.</p> <p>bmel.de</p>	<p>Ausbreitung der Afrikanischen Schweinepest in Deutschland verhindern</p> <p>Was sollten Jagdreisende in ASP-Risikogebiete in Osteuropa beachten?</p>  <p>Keine Einfuhr von Teilen und Erzeugnissen von Schwarzwild.</p> <p>bmel.de</p>
<p>Ausbreitung der Afrikanischen Schweinepest in Deutschland verhindern</p> <p>Für Menschen und Haustiere ist ASP nicht gefährlich</p>  <p>Keine Ansteckung über Kontakt mit Schweinen oder durch Verzehr von Schweinefleisch</p> <p>bmel.de</p>	<p>Ausbreitung der Afrikanischen Schweinepest in Deutschland verhindern</p> <p>Was können Jäger tun?</p>  <p>Auf Fallwild achten Proben nehmen und Veterinäramt kontaktieren</p> <p>bmel.de</p>	<p>Ausbreitung der Afrikanischen Schweinepest in Deutschland verhindern</p> <p>Worauf Landwirte achten sollen</p>  <p>Kontakt von Haus- zu Wildschweinen vermeiden Keine Speise-/Küchenabfälle verfüttern Schädlinge bekämpfen</p> <p>bmel.de</p>
<p>Ausbreitung der Afrikanischen Schweinepest in Deutschland verhindern</p> <p>Wildschweine vor ASP schützen</p>  <p>Fleisch und Lebensmittelreste in verschließbaren Tonnen entsorgen</p> <p>bmel.de</p>	<p>Ausbreitung der Afrikanischen Schweinepest in Deutschland verhindern</p> <p>Fleisch und Fleischerzeugnisse aus Nicht-EU-Ländern dürfen nicht mitgebracht werden.</p>  <p>bmel.de</p>	<p>Ausbreitung der Afrikanischen Schweinepest in Deutschland verhindern</p> <p>Worauf Landwirte achten sollen</p>  <p>Reinigung und Desinfektion Desinfektionsmatten Zugangsbeschränkung Schutzkleidung</p> <p>bmel.de</p>

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