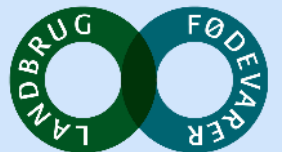


Keep African Swine Fever out of Denmark

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Landbrug & Fødevarer
Sektor for Gris

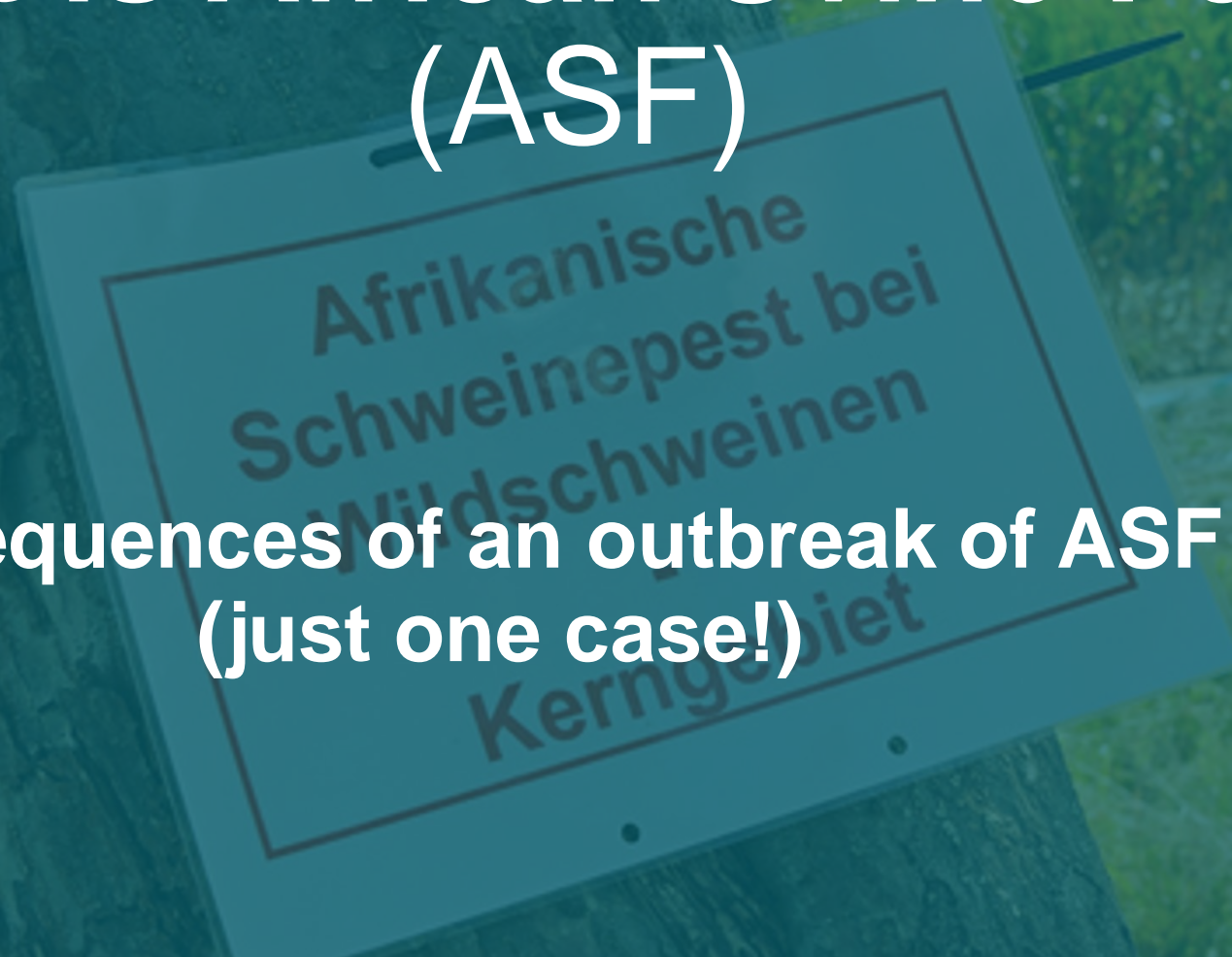


Agenda

- ASF and consequences of an outbreak
- Risk pathways identified & status in EU
- Precautions & activities in Denmark
- **DANISH Transport Standard**
- **Washing & disinfection of animal transporters**
- What do you do as a farmer
- What do they do in Germany to stop the spreading of ASF
- **Questions**

What is African Swine Fever (ASF)

Consequences of an outbreak of ASF
(just one case!)



African Swine Fever (ASF)

- **Very aggressive virus => high mortality**
- **Very severe course of the disease.**
- **No vaccine – no treatment**
- **No transmission through the air**
- **Transmission through contact, faeces, food (meat)**

Risk pathways identified

Wild boar

Trucks

Workers in pig-farms

Illegal import of meat products

Hunting tourism abroad

Live pig imports

Semen imports

Feed (blod plasma, corn (silage), grass, hay)



Consequences of an outbreak of ASF (just one case!)

>85 % of Danish pigs/pork is exported

- More than one third of the export are to countries outside EU => **will stop immediately**

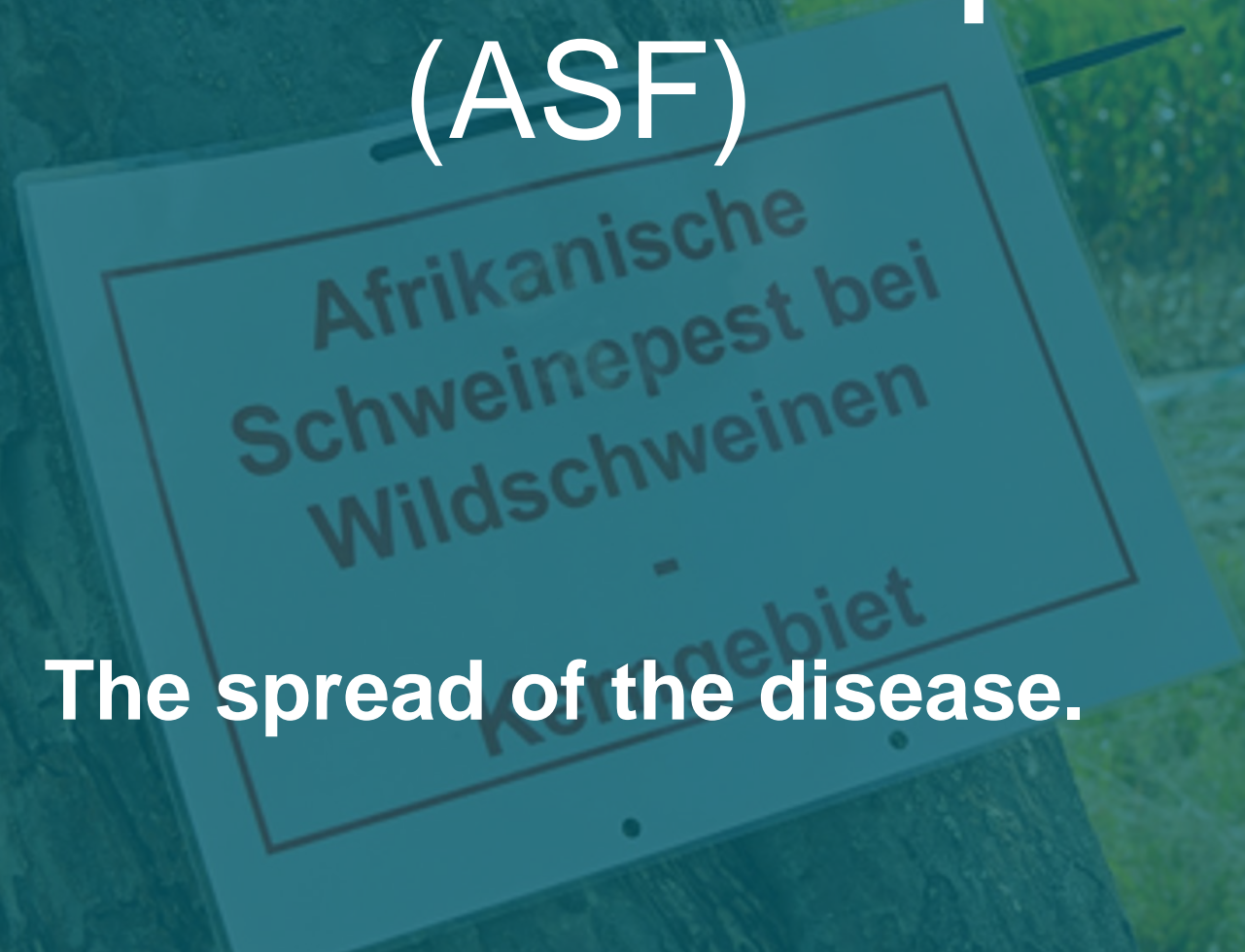
Total loss for Danish pig production: >0.4 billion Eur

- Direct loss due to culling of infected herds only small part of this



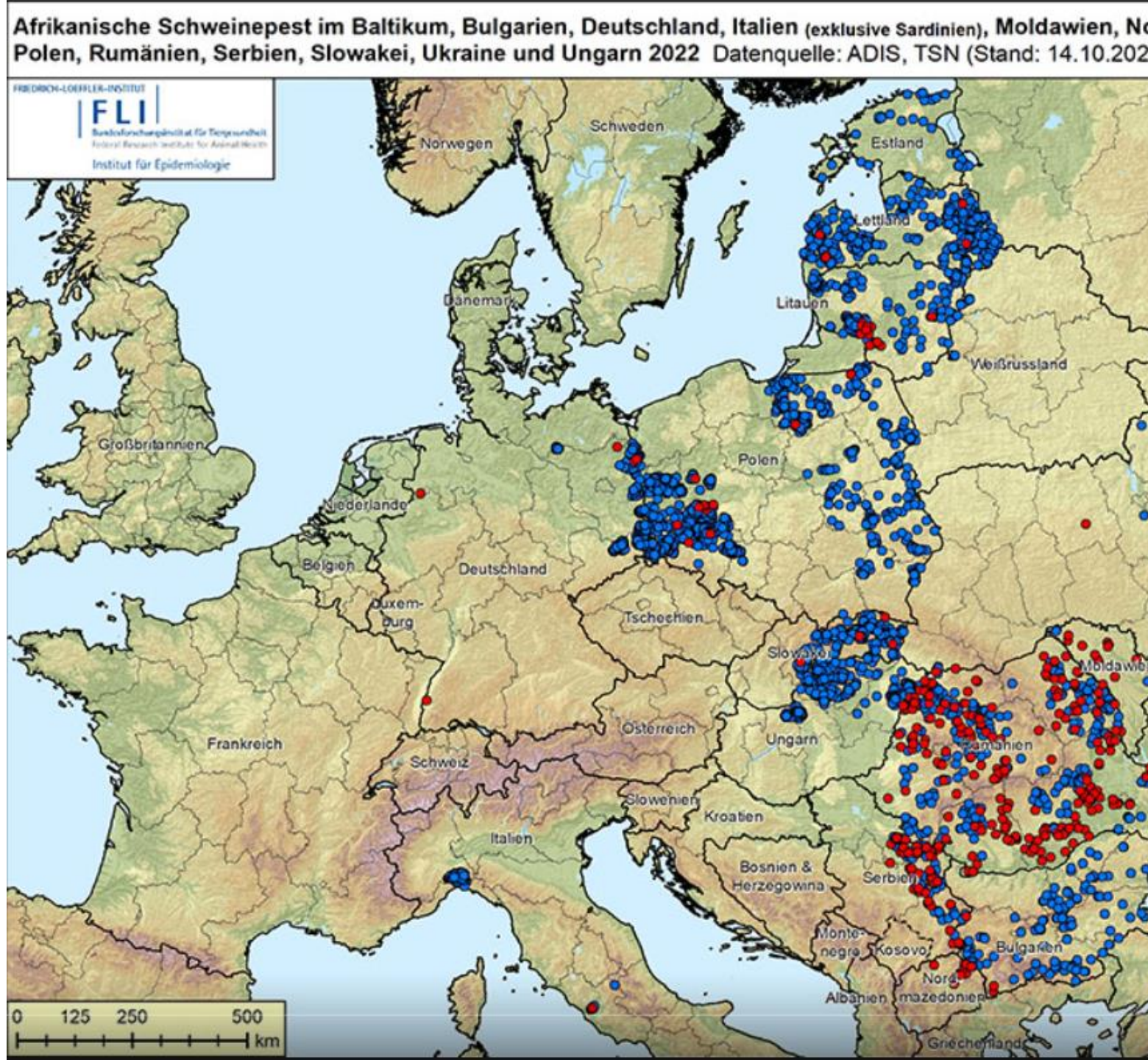
Status in Europe (ASF)

The spread of the disease.



Status in Europe 2022

Red = domestic herds
Blue = wild boars



Total outbreaks from **01/01/2022** until **07/10/2022**:

ASF.DP

A.S.F. in domestic pigs

Disease	Country	N° of outbreaks	Latest Dispatch Date
→	Bulgaria	2	28/01/2022
→	Germany	3	02/07/2022
	Italy	4	27/09/2022
	Latvia	6	31/08/2022
	Lithuania	15	20/09/2022
	Moldova	11	30/09/2022
	North Macedonia	25	04/10/2022
→	Poland	14	07/09/2022
→	Romania	245	07/10/2022
	Serbia	97	06/10/2022
	Slovakia	5	27/07/2022
	Ukraine	5	26/08/2022

Total: **432**

Total outbreaks from **01/01/2022** until **07/10/2022**:

ASF.WB

A.S.F. in wild boar

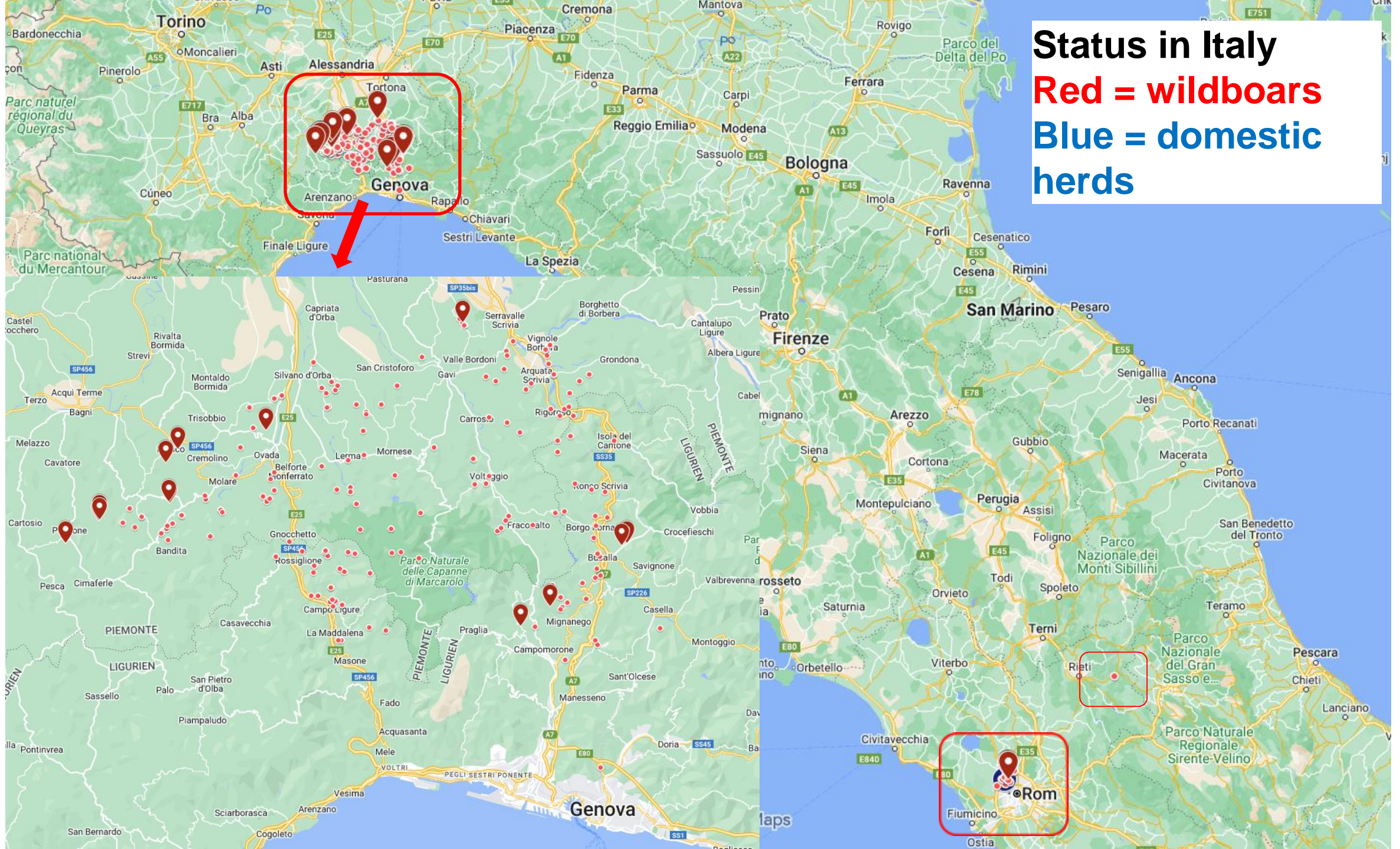
Disease	Country	N° of outbreaks	Latest Dispatch Date
→	Bulgaria	238	13/09/2022
	Estonia	36	29/09/2022
→	Germany	1239	06/10/2022
→	Hungary	478	03/10/2022
	Italy	236	21/09/2022
	Latvia	620	07/10/2022
	Lithuania	205	07/10/2022
	Moldova	3	15/08/2022
	North Macedonia	4	25/07/2022
→	Poland	1526	07/10/2022
	Romania	366	07/10/2022
	Serbia	96	06/10/2022
	Slovakia	458	05/10/2022
	Ukraine	2	02/02/2022

Total: **5507**

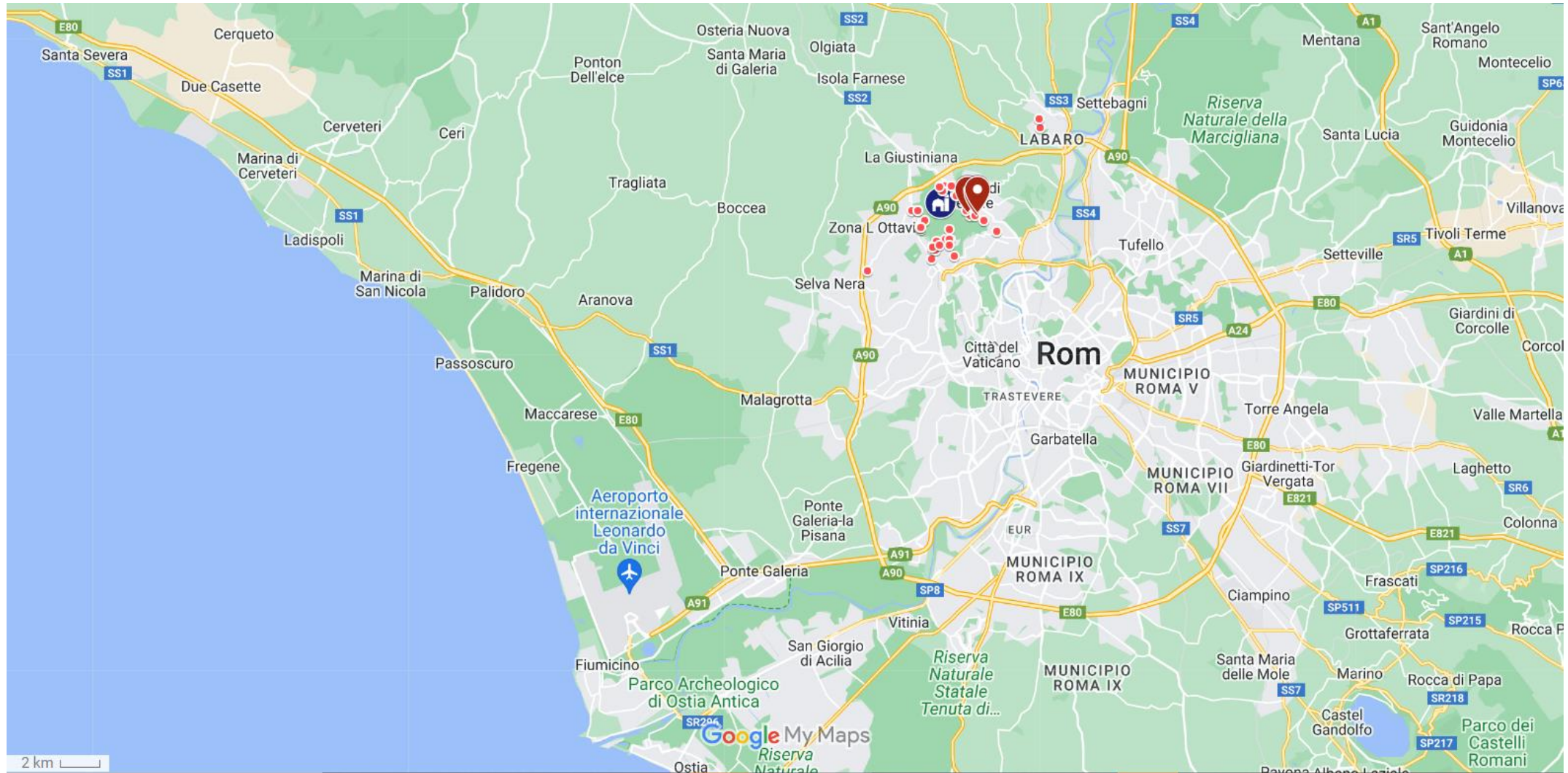
Status in Italy

Red = wildboars

Blue = domestic herds



Rome, Italy



Wild Boars – Rome, Italy



Wild boars eat garbage near trash bins in Rome on Sept. 24. They have become a daily sight, as families of wild boars trot down the city streets, sticking their snouts in the garbage looking for food.

Gregorio Borgia/AP

Wild boars – Barcelona, Spain

1200 "attacks" in 2022

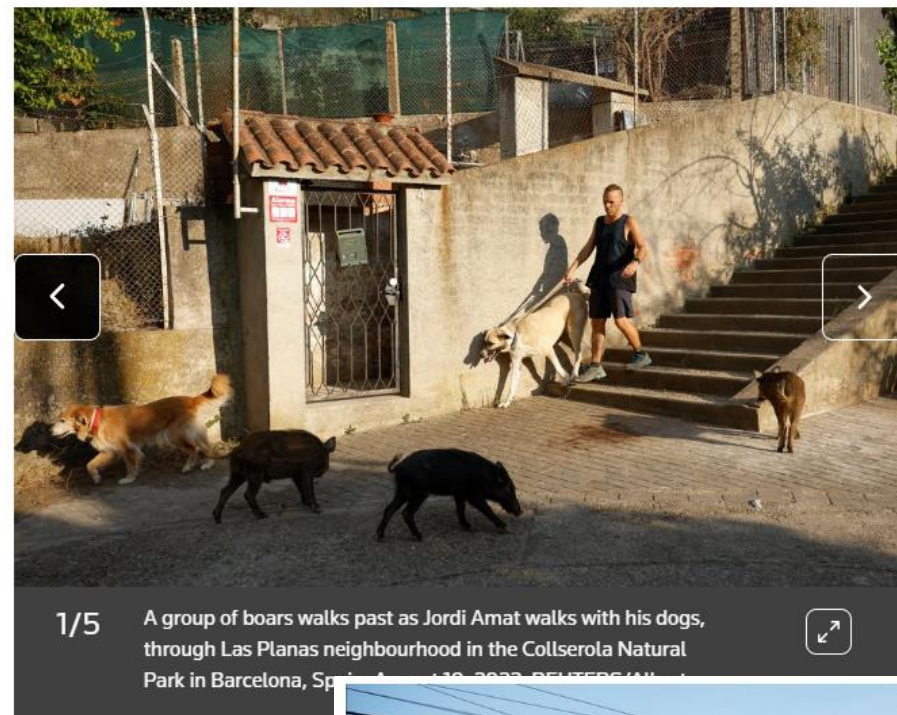
> 2 mill. wild boars in Spain

Last Updated 21 days ago

'They roam about like cats': Spanish cities try to halt wild boar invasions

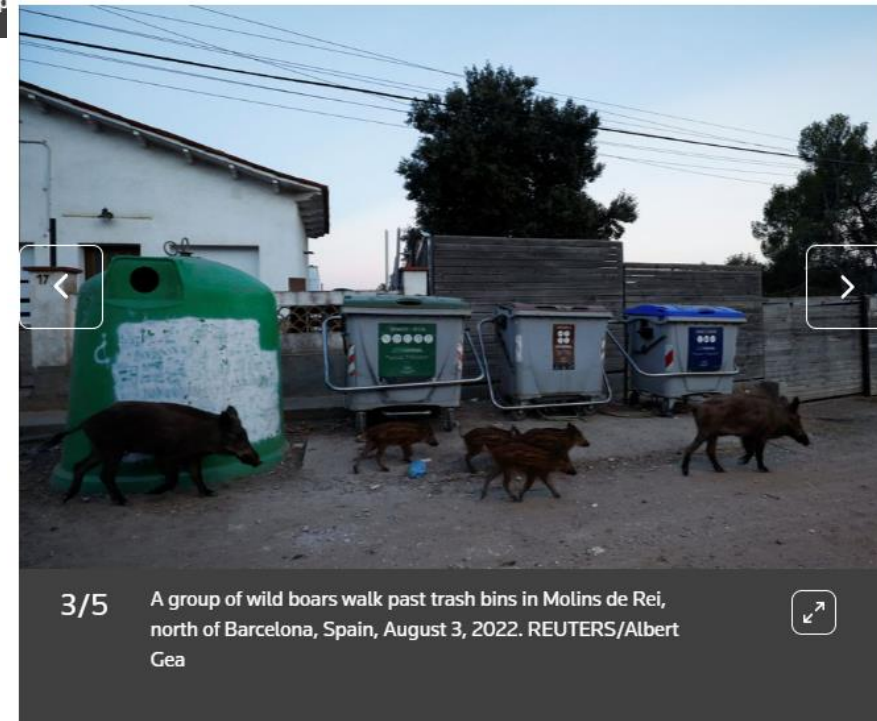
By Albert Gea

2 minute read



1/5

A group of boars walks past as Jordi Amat walks with his dogs, through Las Planas neighbourhood in the Collserola Natural Park in Barcelona, Spain, August 19, 2022. REUTERS/Al...



3/5

A group of wild boars walk past trash bins in Motins de Rei, north of Barcelona, Spain, August 3, 2022. REUTERS/Albert Gea



- Precautions in Denmark - against introduction of ASF

Afrikanische
Schweinepest bei
Wildschweinen
-
Kerngebiet

Precautions

- Ban on swill feeding for many years
- All pig herds are registered in Central Husbandry Register (CHR)
- All movements are registered in movement database
- Backyard farms => **only hobby farms**
- No import of live pigs for production
- High biosecurity for many years – SPF system for +50 years
- Wash and disinfection of returning trucks at the Danish/German border
- Danish Transport Standard

<https://pigresearchcentre.dk/DANISH-quality-assurance-scheme/The-Danish-Transport-Standard>



Activities - Industry support

- **Shooting of wild boars** (no wild boars left)
 - 24/7 - all year round
 - Use of feed and light for hunting
 - Traps
- **Building of a fence along the Danish-German border**
 - 67 km long
 - 1,5 meter high
 - **Co- financed by industry**
 - 4 mill. Euro



Eradication of wild boars in Denmark

- 2017 Political decision on the eradication of wild boars in Denmark
- Before approximately 150 wild boars
- As of today, according to the Danish Nature Agency: **no wild boars left.**
- >100 feeding spots established
- A lot of cameras along the fence
- Use of special “smell-fence” at the 14 “Schengen openings”





Activities – ASF precautions.

- Information signs on parking lots along the highways
- Farmers contracts with foreign employees
- Landowners' contracts with hunters
- Recommendations based on risk assessments concerning feed
 - Hay, straw, fresh grass, silage etc. => a potential risk
 - Barley, wheat, corn => not a risk
- Information to employees on farms, forest-workers, fur-industry, hunters etc.
- Travel-Kit for hunters going abroad.
- Targeted SoMe campaigns in different languages





**DO NOT TAKE
YOUR CLOTHES
AND SHOES
TO OTHER
STABLES**



**MAKE SURE THAT
THE TRUCK IS
NOT DIRTY**



**DO NOT FEED
PIGS WITH
FOOD LEFTOVERS**

OTHER CONDITIONS YOU NEED TO OBSERVE

- It is prohibited to use kitchen and food waste as feed for pigs.
- All trucks that have been outside of Denmark must be cleaned and disinfected on a DANISH approved cleaning and disinfecting station upon their return to Denmark.

COMPLY WITH QUARANTINE RULES

Knowledge Risk area	Not extensive	Extensive*
High	24 hours in DK	24 hours from herd to herd
Low	12 hours in DK	12 hours from herd to herd

* Family members, employees, veterinarians, consultants and persons entering to repair any equipment

Filtre



Jagt og landbrug - Erik

VidenSvin
for 1 år siden • 648 visninger



Pellegård på Bornholm - I skov, jagt og naturværdie

Silva Estate a/s
for 1 år siden • 1.734 visninger
Kom med, når vi besøger den flotte Pe på Nordbornholm i et af øens flotteste



Jagt og landbrug - Peter

VidenSvin
for 1 år siden • 232 visninger



Jagt og landbrug - Ditte

VidenSvin
for 1 år siden • 253 visninger



Jagt og landbrug

VidenSvin
Jagt og landbrug - Søren
Jagt og landbrug - Peter
Se hele playlisten (4 videoer)



Uwaga!



W ostatnich latach w Europie rozprzestrzenił się afrykański pomór świń. Jest to infekcja wirusowa, która stanowi poważne zagrożenie dla trzody chlewnej i dzików.

Choroba nie jest niebezpieczna dla ludzi. Produkty żywnościowe mogą jednak zawierać wirusa. Oznacza to, że resztki żywności mogą roznosić chorobę między populacjami świń i dzików.

Z tego powodu odradza się pozostawianie pozostałości produktów żywnościowych w naturze.

Karmienie trzody chlewnej resztkami żywności jest zabronione.



Внимание!



Вирeс африканской чумы свиной распространяется по всей Европе и представляет серьезную угрозу для домашних и диких свиней.

Болезнь не опасна для человека.

Вирeс может содержаться в пище, поэтому пищевые отходы могут передавать это заболевание диким и домашним свиньям.

Проверяйте, чтобы пищевые отходы были утилизированы безопасным образом.

Запрещается кормить свиней кухонными пищевыми отходами.



Atenție!



Virusul peștei porcine africane se răspândește în Europa și constituie o amenințare serioasă pentru porci și mistreți.

Boala nu este periculoasă pentru om.

Alimentele pot să conțină virusul, prin urmare deșeurile alimentare pot transmite boala la porci și mistreți.

Vă rugăm să vă asigurați că toate deșeurile alimentare sunt eliminate în siguranță.

Este interzis să hrăniți porcii cu resturile alimentare rezultate din bucătărie.



<https://www.youtube.com/watch?v=eyQ4t1wHI2M&feature=youtu.be>

DANISH Transport Standard (DTS)

Legislation about cleaning and disinfection

- **EU legislation requires cleaning and disinfection after unloading in country of destination**



IS YOUR VEHICLE COMPLETELY CLEAN?

*FOLLOW THE DANISH VETERINARY AND FOOD ADMINISTRATIONS'S 3 RULES FOR CLEANING AND DISINFECTION
BY FOLLOWING THEM YOU ENSURE THAT YOUR VEHICLE DOES NOT SPREAD DISEASES E.G AFRICAN SWINE FEVER
OR FOOT AND MOUTH DISEASE*



-  **Always wash and disinfect your vehicle inside and outside immediately after every transport of cloven-hoofed animals**
This applies to the cargo-truck, semi-trailer and trucks or trailer. When the vehicle is completely clean, it must then be disinfected.
-  **Wash and disinfect rubber boots and equipment**
Infections can hide in faeces, bedding, saliva and blood from infected animals.
-  **Remember to document in writing**
Document the place, date and time of cleaning and the disinfectant used.

 **Miljø- og Fødevareministeriet**
Fødevarestyrelsen

DANISH Transport Standard (DTS)

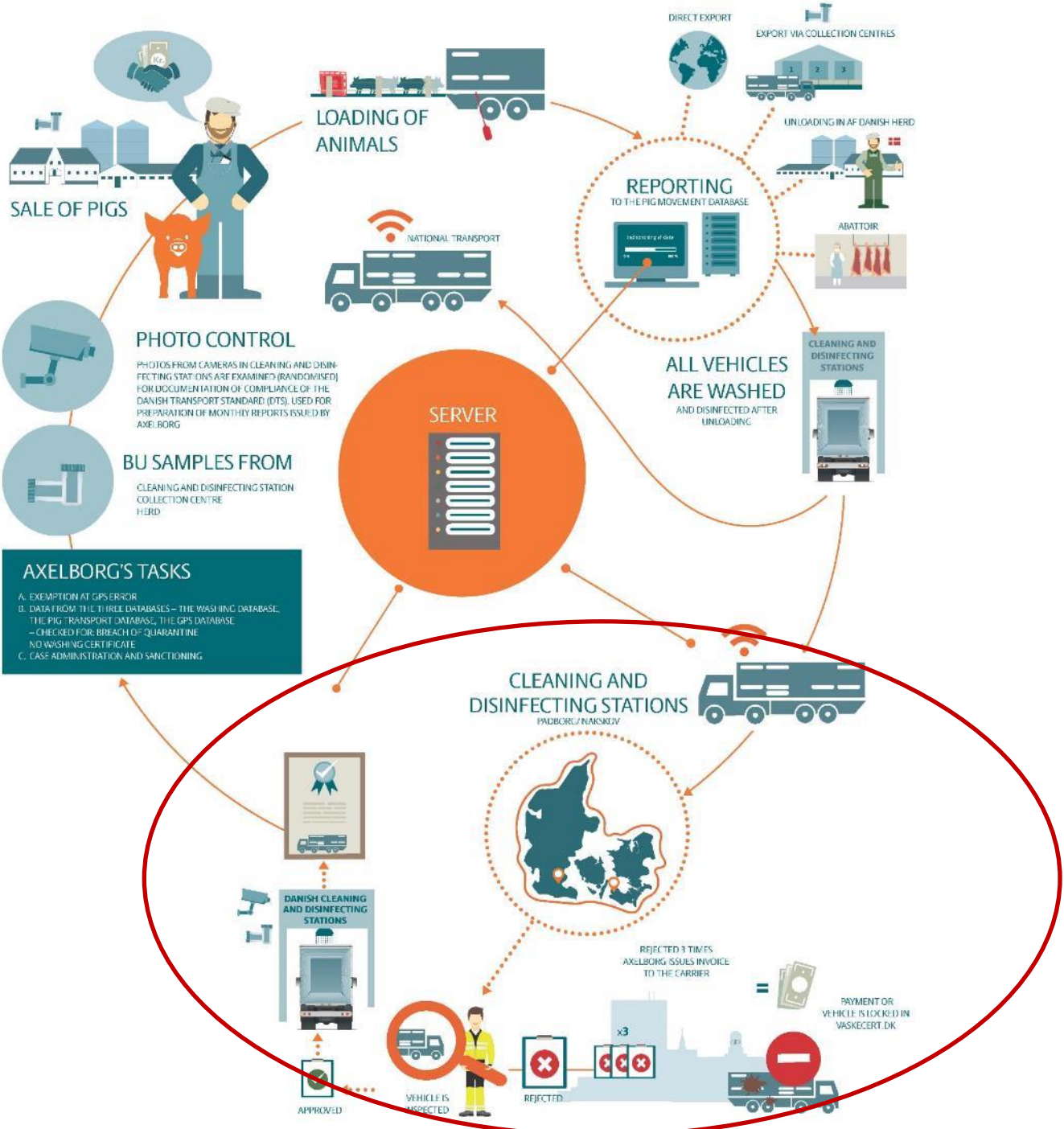
Focusing on bio security

1. Control after entering DK
 - visual inspection and extra Washing and Disinfection of Livestock Trucks
2. Monitoring washing certificates and possible quarantine

Sounds very simple. But...



DTS - Overview



...it's not that simple



Washing & disinfection of animal transporters

Facts & figures (approximately)

- **15** mio. live pigs exported in 2021
- **27.000** washing certificates in 2021
- **95% of vehicles go to Padborg**
 - Danish Safety Wash
 - MegaWash
- **5% goes to Nakskov**
 - Fugl A/S



What's going on at the DANISH approved washing & disinfection stations



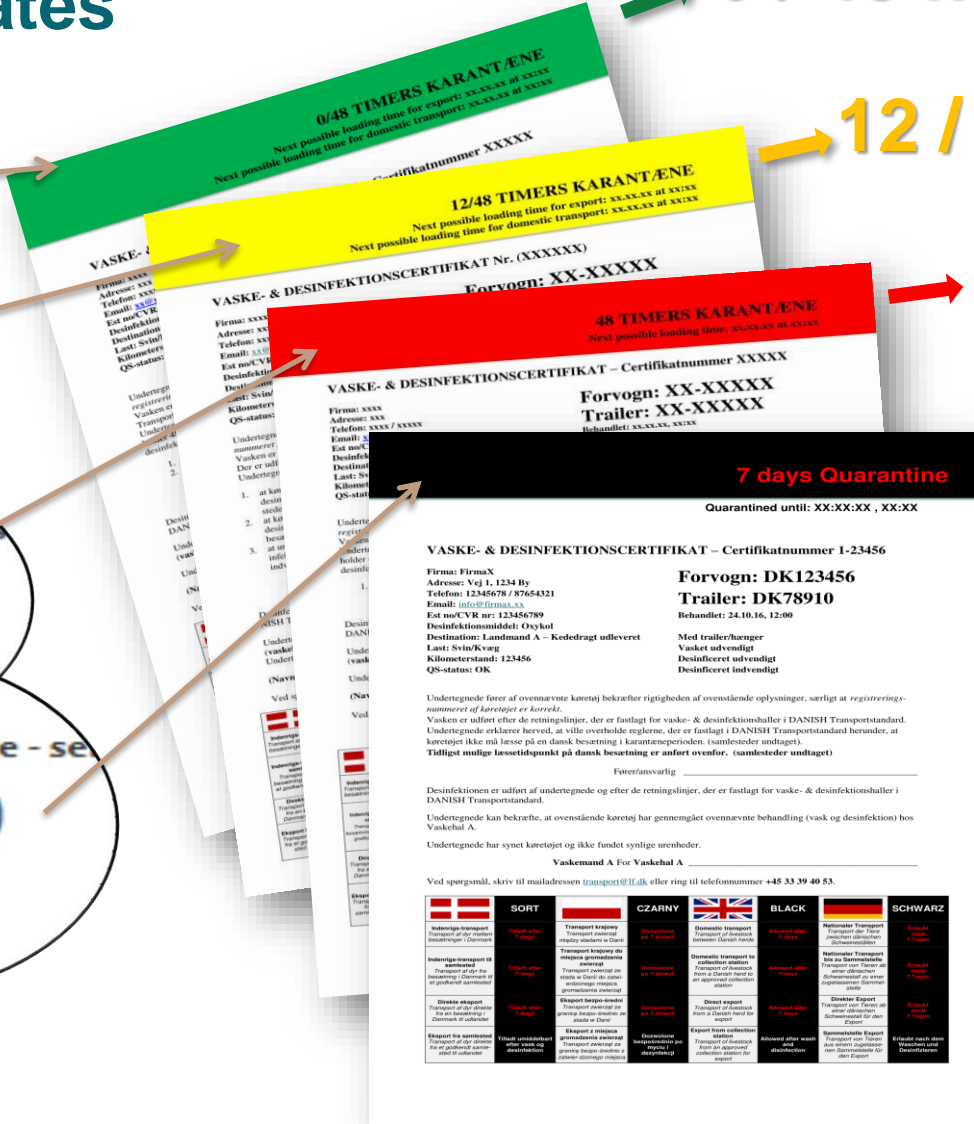
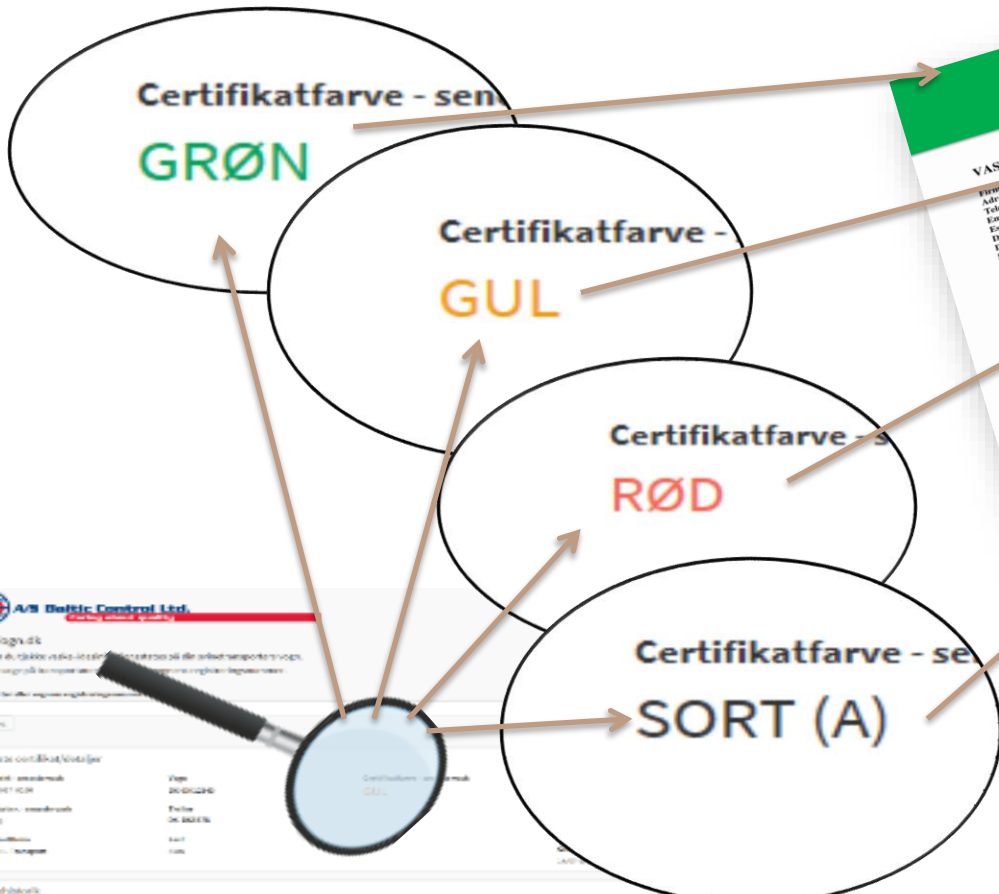
Four types of Washing Certificates

0 / 48 hours

12 / 48 hours

48 hours

7 days



A/S Baltic Control Ltd.

Tjekningslist

For køer og traktorer, vasker og desinfektorer på alle arbejds transporttøjs.

Etiketter og/eller besigtigelse af køretøjer og/eller transporttøjs.

Transport og/eller registrering af køretøjer.

Formål:

Størrelse certifikat/Notat (nr):

Udført af: [navn] Side: 26/02/20

Udført af: [navn] Side: 06/02/16

Placering: [navn] Side: [navn]

Udført af: [navn] Side: [navn]

Vedhæftede:

Merket	Plac	Bevoksning	Sort/Indes	Transport/Type	Plac	Plac
1000000	DK-100000	100	100000	1000000	1000000	1000000
1000000	DK-100000	100	100000	1000000	1000000	1000000
1000000	DK-100000	100	100000	1000000	1000000	1000000
1000000	DK-100000	100	100000	1000000	1000000	1000000
1000000	DK-100000	100	100000	1000000	1000000	1000000
1000000	DK-100000	100	100000	1000000	1000000	1000000



Quarantine

	BLACK	RED	YELLOW	GREEN
Domestic transport <i>Transport of livestock between Danish herds</i>	Allowed after 7 days	Allowed after 48 hours	Allowed after 48 hours	Allowed after 48 hours
Domestic transport to collection station <i>Transport of livestock from a Danish herd to an approved collection station</i>	Allowed after 7 days	Allowed after 48 hours	Allowed after 48 hours	Allowed after wash and disinfection
Direct export <i>Transport of livestock from a Danish herd for export</i>	Allowed after 7 days	Allowed after 48 hours	Allowed after 12 hours	Allowed after wash and disinfection
Export from collection station <i>Transport of livestock from an approved collection station for export</i>	Allowed after wash and disinfection	Allowed after wash and disinfection	Allowed after wash and disinfection	Allowed after wash and disinfection

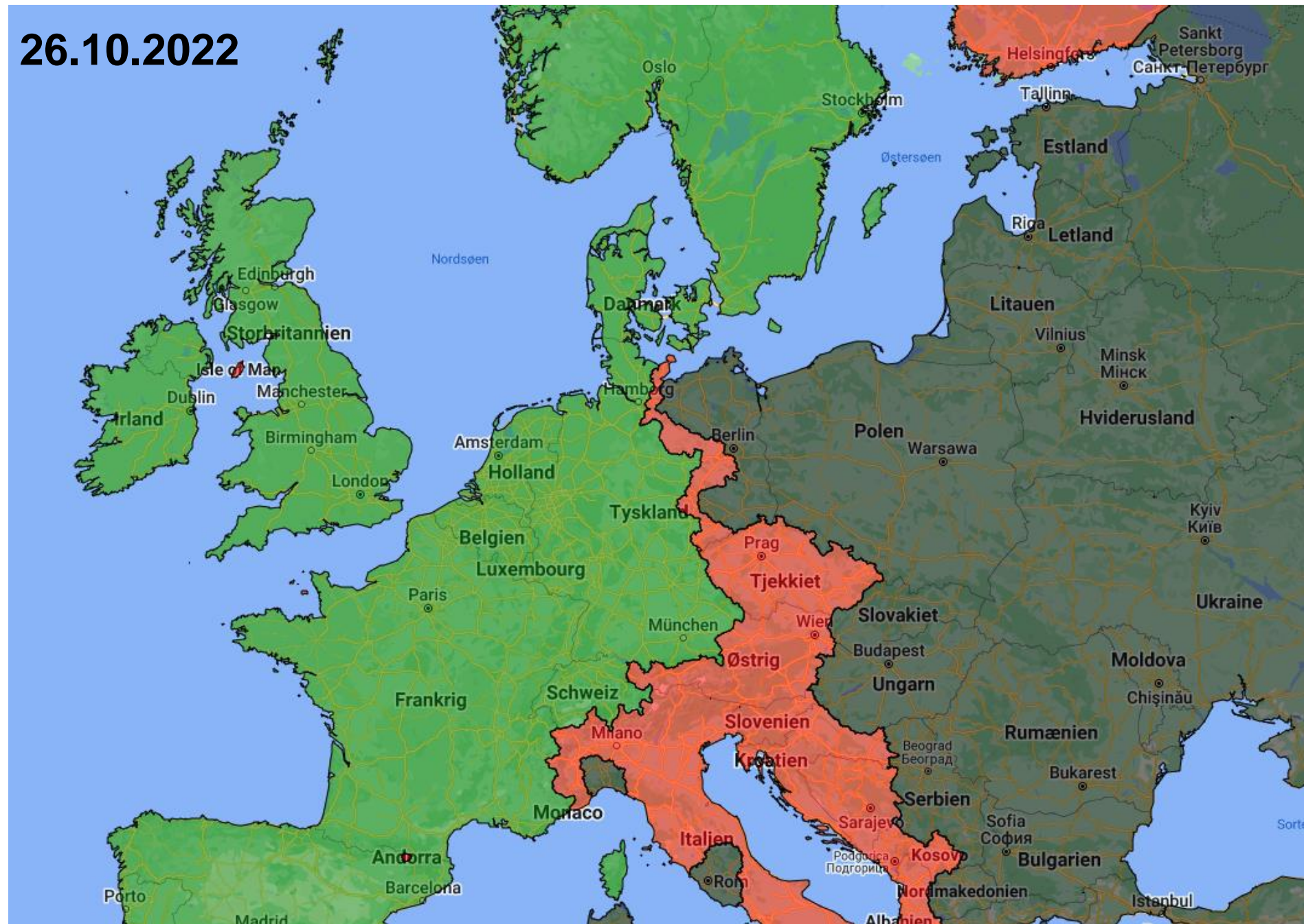


DTS Map

dts.svineproduktion.dk

- Zones
- GPS
- Quarantine

26.10.2022

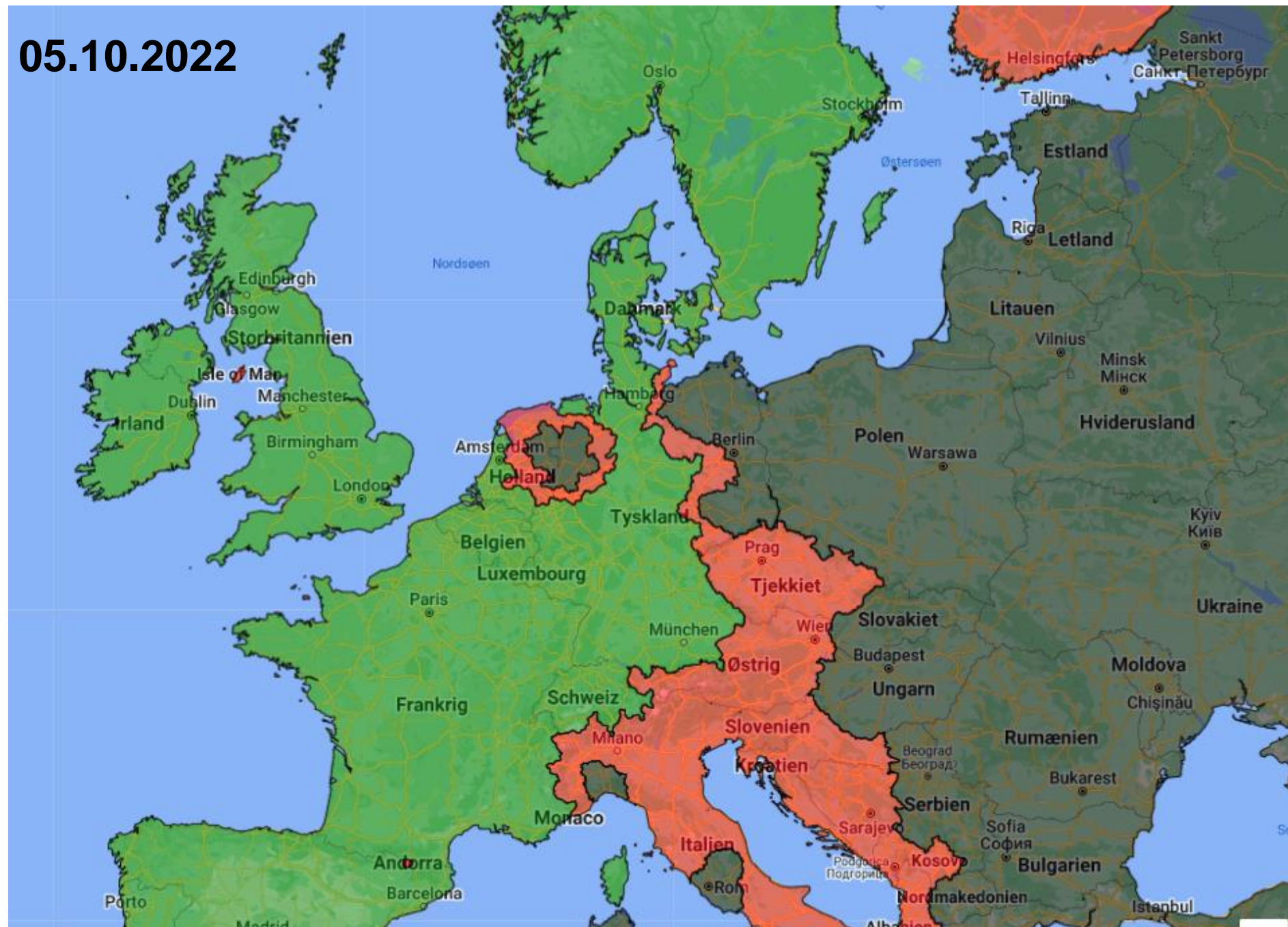


DTS Map

dts.svineproduktion.dk

- Zones
- GPS
- Quarantine

05.10.2022

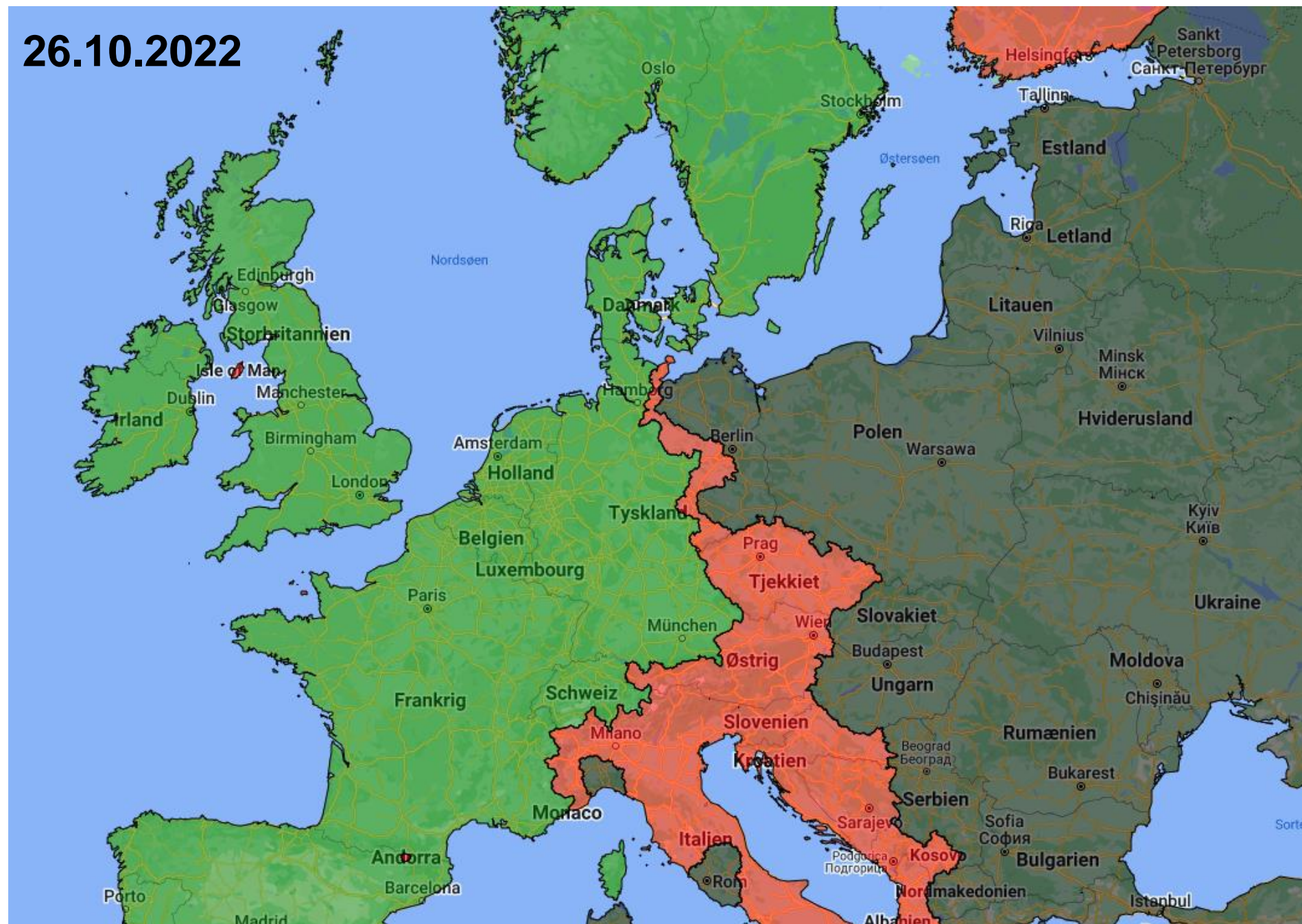


DTS Map

dts.svineproduktion.dk

- Zones
- GPS
- Quarantine

26.10.2022



- What to do as a farmer- against introduction of ASF

Afrikanische
Schweinepest bei
Wildschweinen
-
Kerngebiet

What to do as a farmer

- External biosecurity
- Check of washing certificates



RECEIPT OF THE ANIMAL TRANSPORTER

Verify cleaning certificate according to one of the following possibilities:

1. www.tjekvogn.dk
2. APP "tjekVogn"
(Android, iPhone)
3. sms-service: 5129 1070
4. Verify the actual cleaning certificate with the driver:
 - a. Green – load immediately for export
 - b. Red – verify 48-hour quarantine from time of issuance.



3



Danish Agriculture & Food Council



Danish Legislation

- **According to Danish legislation:**
 - The responsibility of sufficient biosecurity is the responsibility of **the farmer**
 - At least once a year the **veterinary practitioner** shall supervise and discuss biosecurity on the farm
 - And write a report
 - The **Danish veterinary authorities** will carry out official controls.



- What do the Germans do- against spreading of ASF

Afrikanische
Schweinpest bei
Wildschweinen
-
Kerngebiet

What does Germany do to stop the spreading of ASF ?

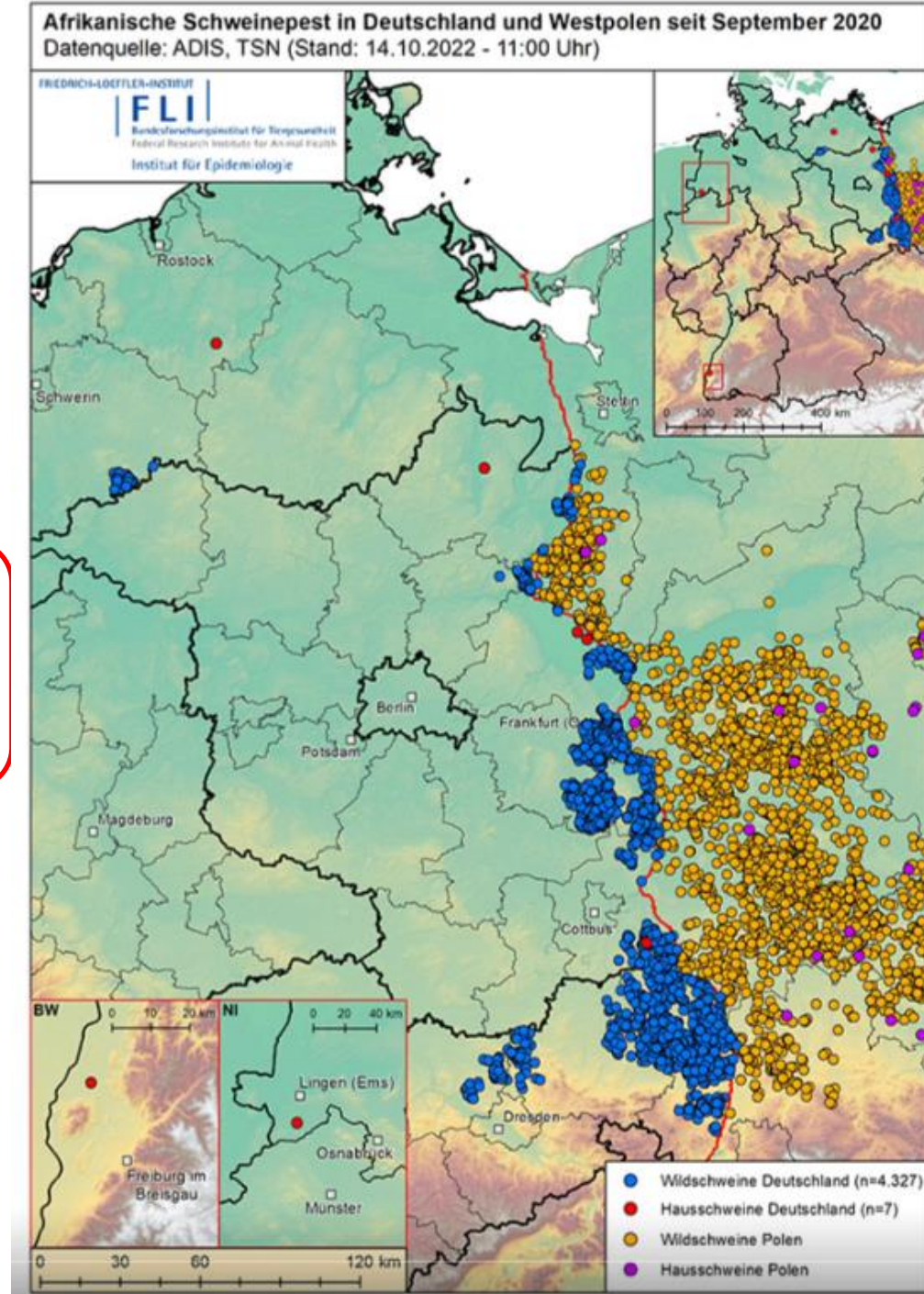
The ASF **protection corridor** is located westward to the high-risk corridor and is enclosed by two solid wild-boar barriers.

Like a white zone, the aim here is to stop the chains of infection in case of ASF-introduction through positive wild boar coming from the east to German territory (swimming through the river).

The following measures apply within the protection corridor:

- maximum reduction of wild boar density (trapping and single hunt)
- extensive search for, sampling and rendering of carcasses
- pig farms are subject to increased surveillance.

Due to the established protection corridor, a further spread of the outbreak towards the west has successfully been prevented so far. This is proven by the findings of the last six months.

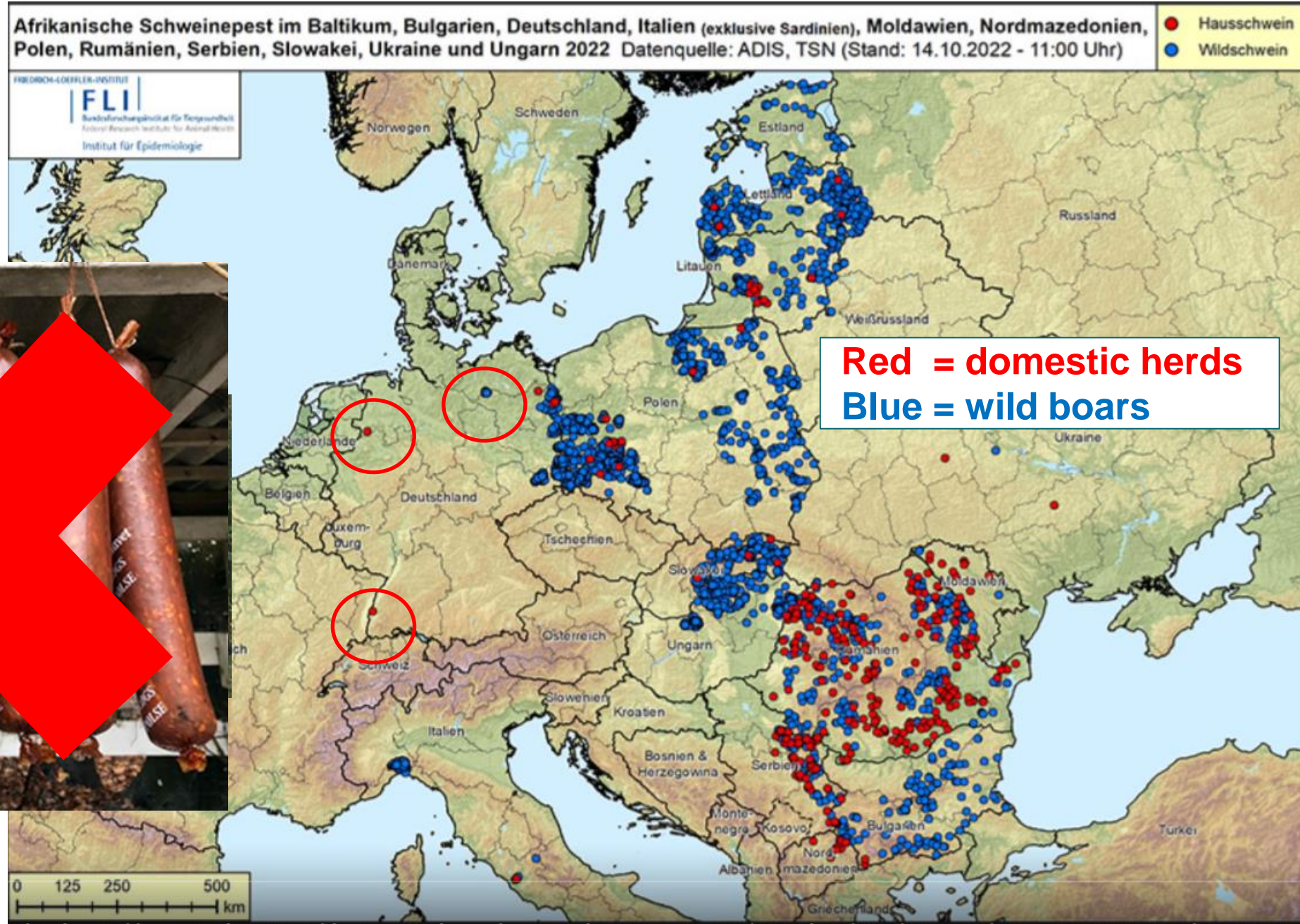


Germany - 2022

THE HUMAN FACTOR



Danish Agriculture & Food Council



Thank you for listening to this important information!

Questions?

Further information:

- DANISH Transport Standard (in Danish)
 - www.dts.svineproduktion.dk
- DANISH Transport Standard (in English)
 - [The Danish Transport Standard \(pigresearchcentre.dk\)](http://pigresearchcentre.dk)
- ASF Theme web side (in Danish)
 - <https://svineproduktion.dk/Aktuelt/Temaer/ASF>

Noget at leve af. Noget at leve for.

