

African swine fever in Lithuania



**State Food and Veterinary Service,
Lithuania**

Increased surveillance area (from 6/2013 after official confirmation of ASF in June in Belarus)



MEASURES APPLIED IN LITHUANIA

(I)

Order of SFVS director of 26 of June 2013 :

- 1. for suspending the import of animals sensitive to the African swine fever (pigs, wild boars), derived animal products, animal by-products, raw materials, feeds and their additives from Belarus to Lithuania.**
- 2. Control of biological safety measures in pig-keeping places was reinforced.**
- 3. Organization of exhibitions, fairs or other events for animals sensitive to the African swine fever in the districts bordering with Belarus and the Russian Federation was prohibited.**
- 4. Trade in live pigs in marketplaces located in districts bordering with Belarus and the Russian Federation was prohibited.**

MEASURES APPLIED IN LITHUANIA

(II)

5. **Official control for the trade in products of animals origin, raw materials and their additives in marketplaces was reinforced.**
6. **Pig keepers and private veterinarians were informed about the reinforcement of control in pig keeping locations in relation to the implementation of biological safety measures for the African swine fever including the prohibition to keep pigs outdoors.**
7. **Hunters were informed about potential ASF threats and about the obligation to take the tissue and blood samples for ASF testing from each wild boar hunted or found dead. (Permission to hunt all wild-boars including females older than 2 years entered in to force since 2 July 2013).**
8. **Official veterinary control for pig traders and their premises was reinforced.**
9. **All samples of organs of dead pigs and hunted wild boars are tested for the detection of ASF virus using RT-PCR.**
10. **Official veterinary control of vehicles transporting live animals was reinforced in all border inspection points.**

MEASURES APPLIED IN LITHUANIA

- Installed disinfection barriers for truck, car and bus wheels disinfection and disinfection barriers for persons, who crossing the border by foot, motorized backpack sprayers are used for truck disinfections.





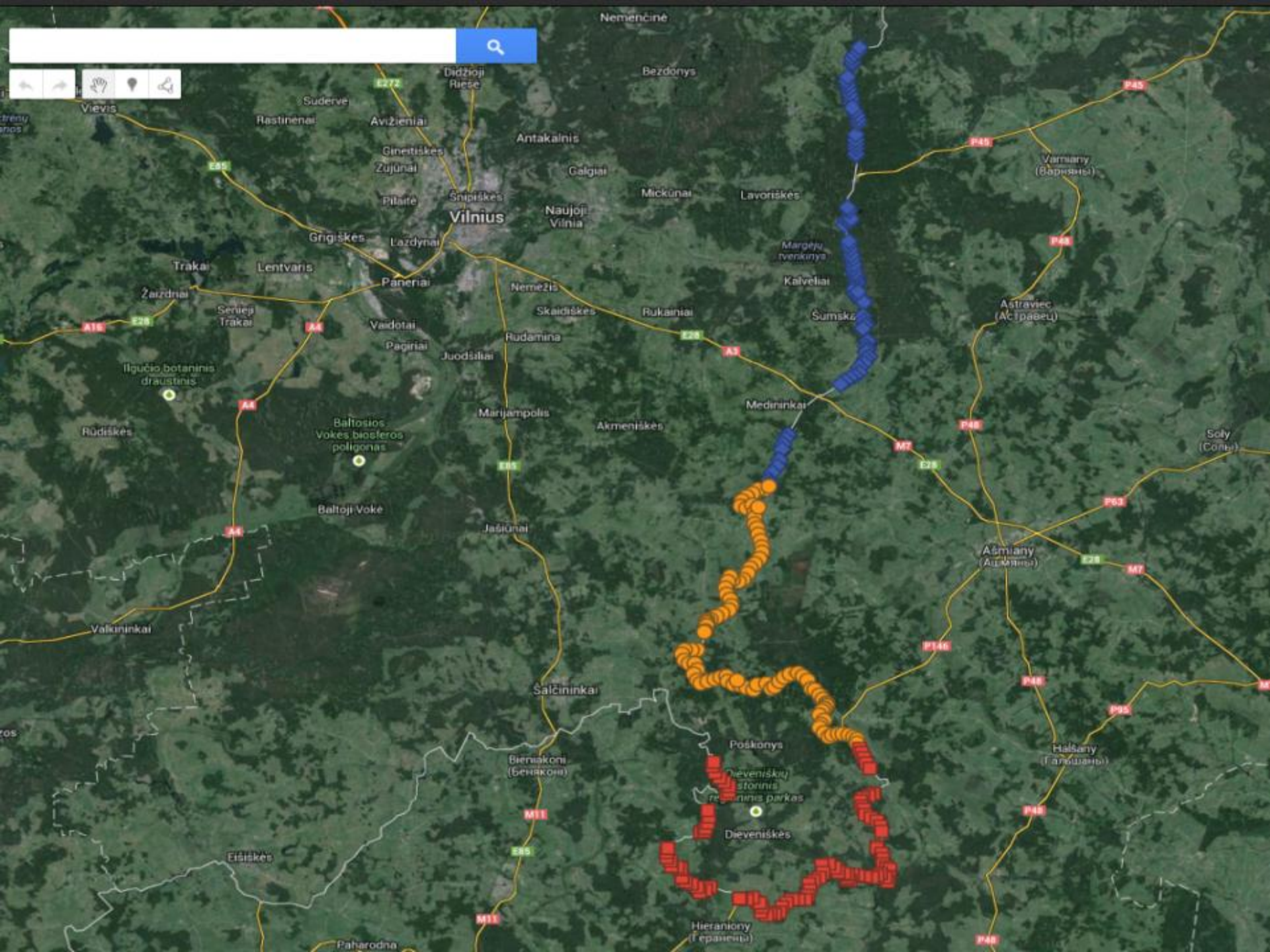
Sampling and testing, disinfection on border, ABP's collection, preventive biosecurity measures



Preventive measures - repellents







Buffer zone



About 10 km from the border with BY – buffer zone

- To strengthen biosecurity measures, or
- To early slaughter of pigs kept (for own consumption) with the compensation from Government and with agreement not to keep pigs for one year

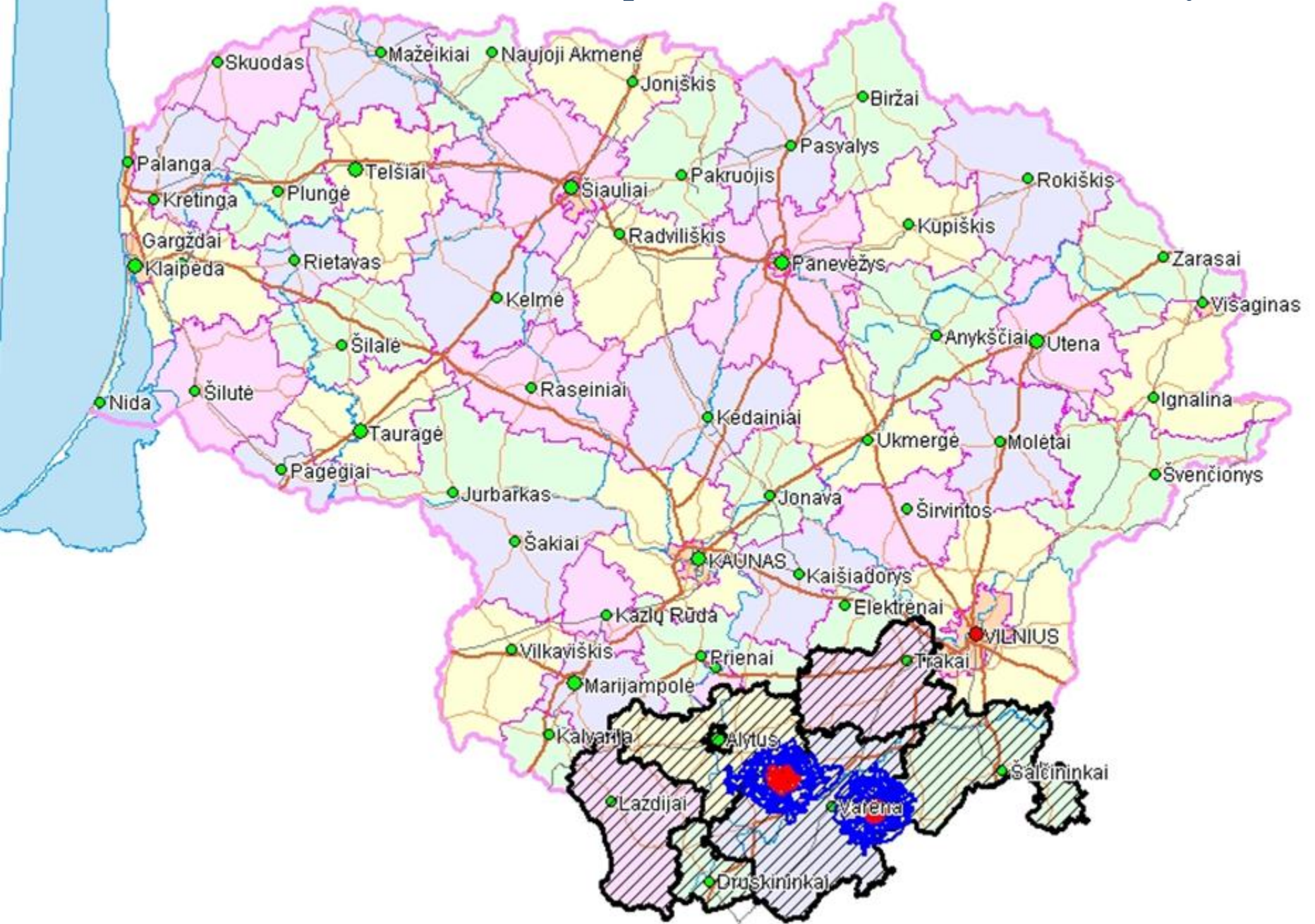
	No of pigs kept	No of pigs slaughtered	No of pigs slaughtered for compensation	No of pigs left within the zone
Buffer zone	8850	5887	2406	2963



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Confirmed 2 ASF positive wild boars on 24 of January 2014

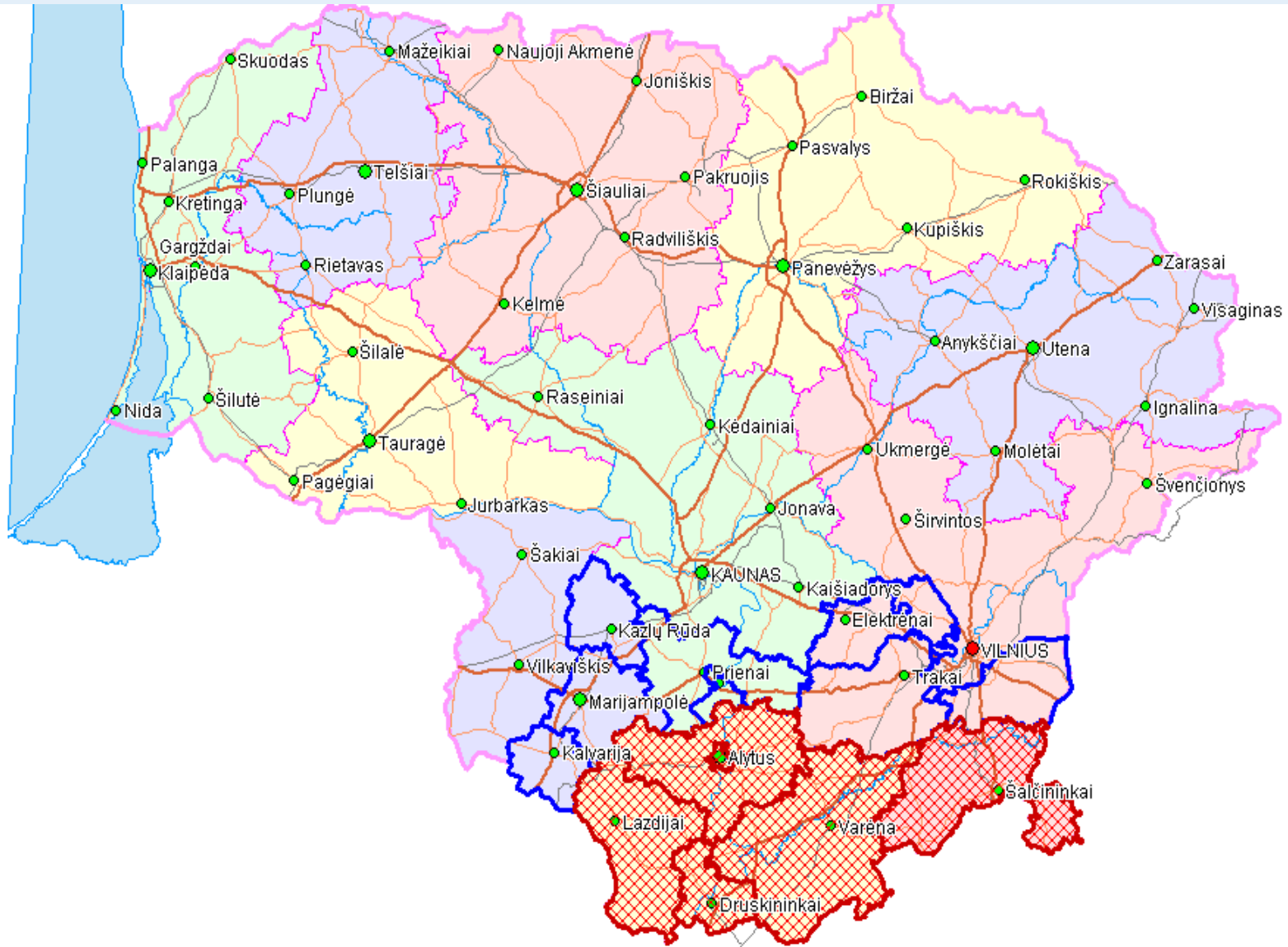


Disease chronology

- On 22 of January the wild boar was **found dead** and the other wild boar hunted have been delivered to the laboratory;
- Samples were **tested positive** for ASF virus by the OIE validated real time PCR at the Lithuania's National Food and Veterinary Risk Assessment Institute (*Reference Laboratory for ASF in Lithuania*)
- On 24th January 2014 Lithuania **notified** two primary cases of African swine fever in wild boar;
- The samples were **sent for the confirmation** to the European reference laboratory on 27th January 2014;
- On 28 of January 2014 The European Reference Laboratory for ASF in Spain **confirmed** the Lithuanian's NRL results.



Infected and risk areas established



Control measures in place

- **No pigs, pig meat and pig products, ABP's from the infected zone can be dispatched outside the Lithuania!**
- **No wild boar meat and ABP's from wild boar from the whole territory of Lithuania can be dispatched!**

Control measures applied

- Emergency situation announced in six districts by governmental decision and CVO is nominated as chief commander;
- Surveillance and eradication plan according EU legislation is under preparation,
- Independent expert group established from veterinarians (epidemiologists, virologists, infection disease scientists), biologists, hunters according to NCP. First meeting took place on 5th February.
- Amendment of the Hunting Rules for wild boar are issued allowing to hunt wild boars whole year and prolonging the hunt with beaters (excluding infected area) till 1 of April (was till 1 of February) to regulate the wild boar population;
- Special groups of hunters are established within each hunting club to hunt for sampling of wild boars;

Control measures in place (all territory)

- strengthened bio security measures in all pig keeping places;
- strengthened the control of animal carriers and official control of movement of animals, controlled disinfection of live stock vehicles;
- strengthened the official control over pig traders and pig trade premises;
- all dead wild boars (found dead or killed in the road incident) and all hunted wild boars are subjected for laboratory tests against ASF and CSF;
- hunters should process hunted wild boars in special designated places and all ABPs should not be moved outside but kept in special animal waste tightly closed pits;
- till laboratory results against ASF and CSF will be obtained, the carcasses of wild boars should be stored isolated or in permitted by territorial SFVS places.

Control measures

- The hunting of wild boars is the sole practical system to obtain samples for laboratory examinations and to maintain the wild boar population stable. Governmental decision on compensation for hunters for regulation of population of wild boars and sampling approved on 5th February and by the SFVS – on 7th February till 1 of April;
- Order for regular cleaning of rest places along roads and high ways where infected waste might be present issued;
- Awareness campaign increased addressed to pig keepers and hunters.

**BE LEIDIMO ĮVAŽIUOTI IR ĮEITI Į TERITORIJĄ
GRIEŽTAI DRAUDŽIAMA!**



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**KAIP TEISINGAI PAIMTI KRAUJĄ
MĖGINĮ SUMEDŽIOTAM ŠERNUI**



1. Mėginyms turi būti paimamas krao greičiau sumedžiojęs šernas.
2. Mėginio žinoma vieta turi būti ne šilvė vieta.
3. Geriausiai imti antspaus kaulį, pjūvanant įjungo veną kaklo srityje prieš nupjauiant galvą.
4. Galima bandyti imti kraują ir iš arterijos nupjovus mentę.
5. Kraujas turi varvėti tiesiai į paruoštą mėgintuvėlį neliesdamas skerdenos.
6. Kraujo pripildoma maždaug du trečdaliai mėgintuvėlio.
7. Paimtus kraują jis nesuplakamas ir paliekamas nusistovėti apyt. 24 val. kambario temperatūroje.



Blogai (nėra serumas) **Gerai (serumas)**

8. Vėliavai reikia laikyti šaldytuve.
9. Transportavimo metu stengtis vėli atvargiai ir nesuplakti.
10. Kao greičiau pristatyti mėginį į VMVT teritorinę VMVT.
11. Serumui nusistovėjus – mėginio acifonėsti – tai vertinga medžiaga Afrikinio kiaulių maro viruso nustatymui!

Control measures in place

- All dead wild boars (found dead or killed in the road incident) and all hunted wild boars are subjected for **laboratory tests** against ASF;
- Till laboratory results against ASF will be obtained, **the carcasses of wild boars should be stored isolated** or in permitted by territorial SFVS places;



Control measures in place

- Hunters should **process hunted wild boars** in special designated places and all ABPs should not be moved outside but kept in special animal waste tightly closed pits;



Control measures in place



Control measures in place

Additional feeding places for wild boars are established within the infected area and it's forbidden to establish new feeding places in buffer zone (approx. 10 km from the border with Belarus)

It is forbidden to use the meat of hunted wild boars and to move out the meat from hunting place within the infected area before the results of ASF have been obtained from laboratory;

It's forbidden to invite hunters from other hunting clubs outside the infected area;



Control measures in place

- Hunting with beaters is forbidden within infected area and will be forbidden for at least 3 years.



Control measures in place

- Additional possible destroying places in the infected area for dead wild boar agreed within the districts;
- The hunting clubs are instructed and trained to recognize clinical symptoms of ASF and which measures firstly to apply to avoid the spread of the disease, to reduce the risk of transmission to domestic pigs and to prevent it becoming endemic in the wild boar population;



Primary outbreak of ASF (ASF/1) in domestic pigs (24/07/2014)



JSC „Idavang“ Rupinskai farm (ASF/1)



ASF/1

- Specific Pathogen Free (SPF) health status;
- High biosecurity farm:

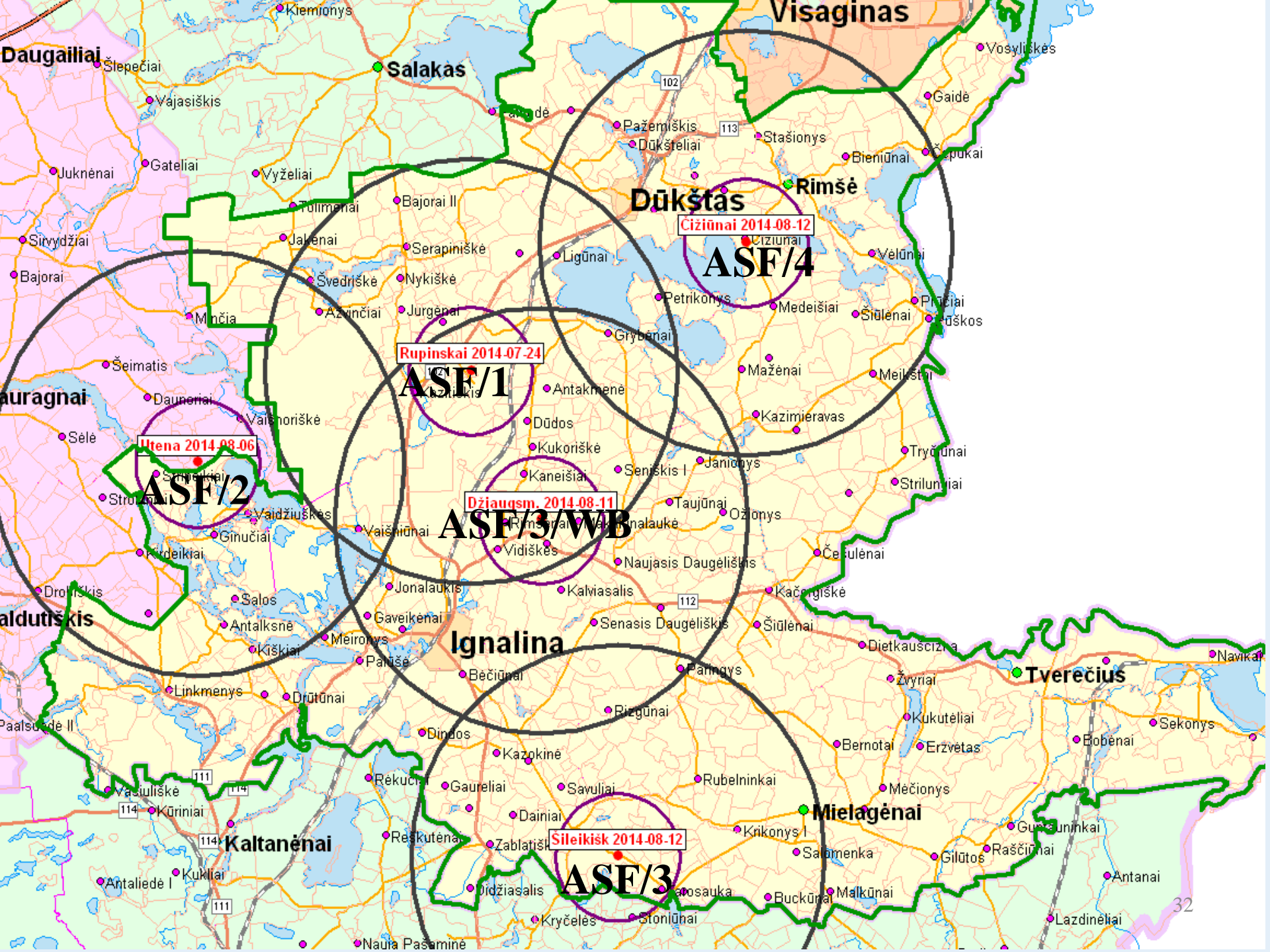
Farm has a double fence, disinfection at the entrance, special loading facilities, no live pigs are introduced (closed cycle), employees are contracted (no pigs kept at home, hunting is forbidden), change of clothes before the entrance to the farm, food without pig meat is supplied, records of visitors and transport are kept, etc.;

- Located next to a small regional road and partly surrounded by the forest.



Clinical signs and symptoms





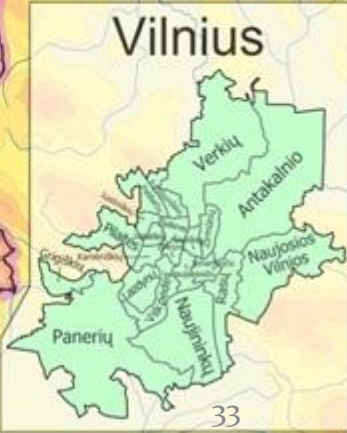
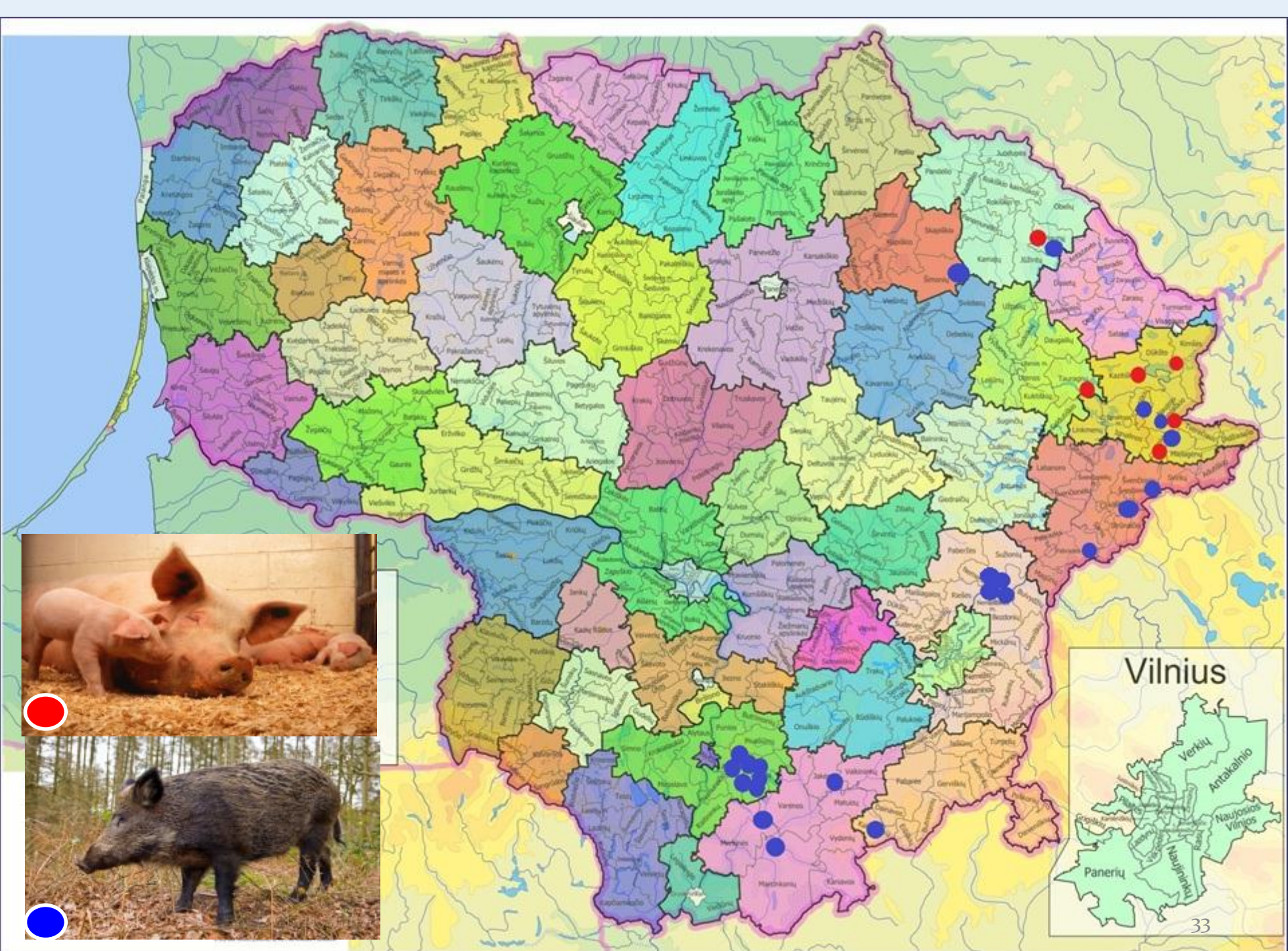
Utena 2014-08-06
ASF/2

Rupinskai 2014-07-24
ASF/1

Džiaugsm. 2014-08-11
ASF/3/WB

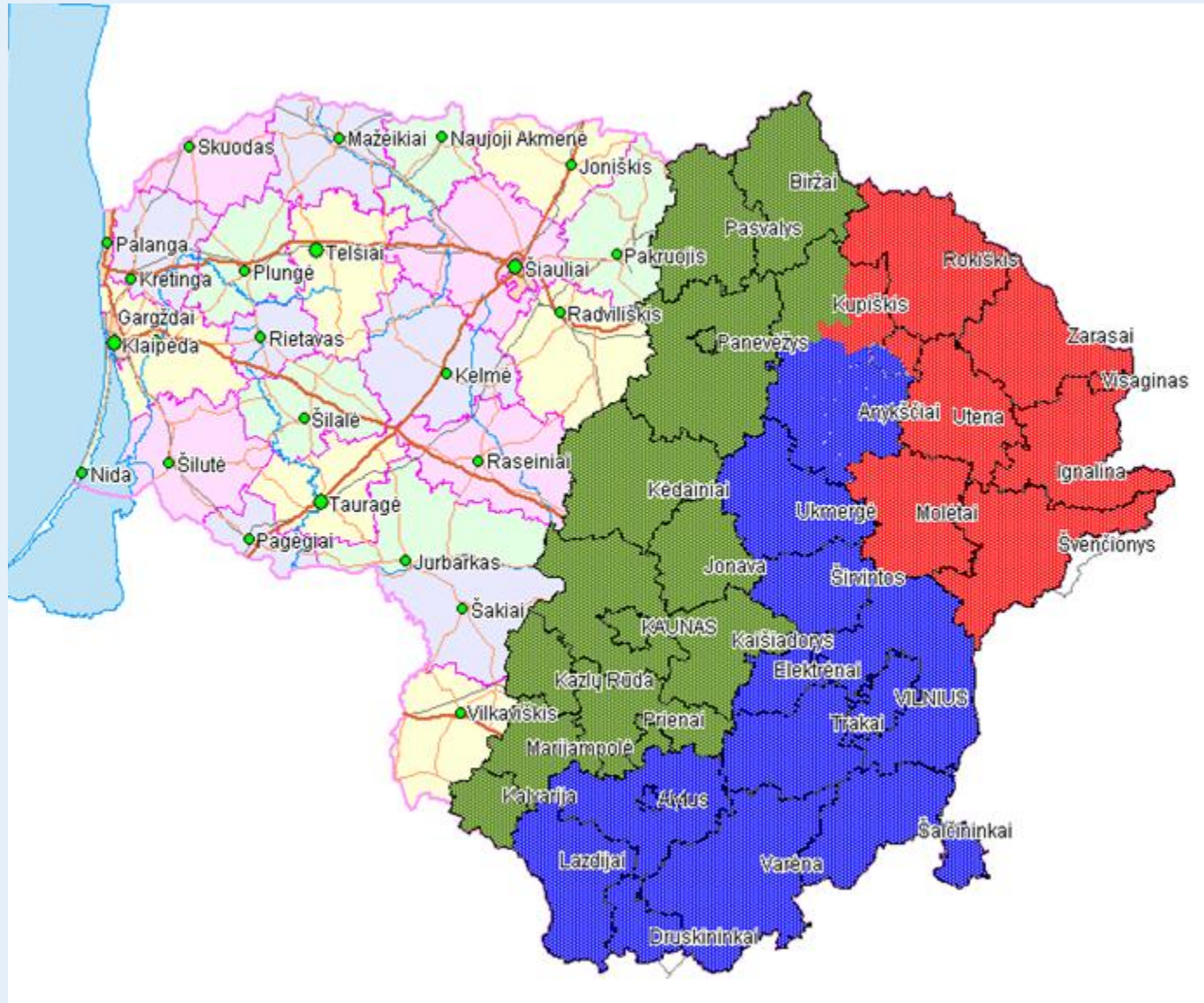
Ciziūnai 2014-08-12
ASF/4

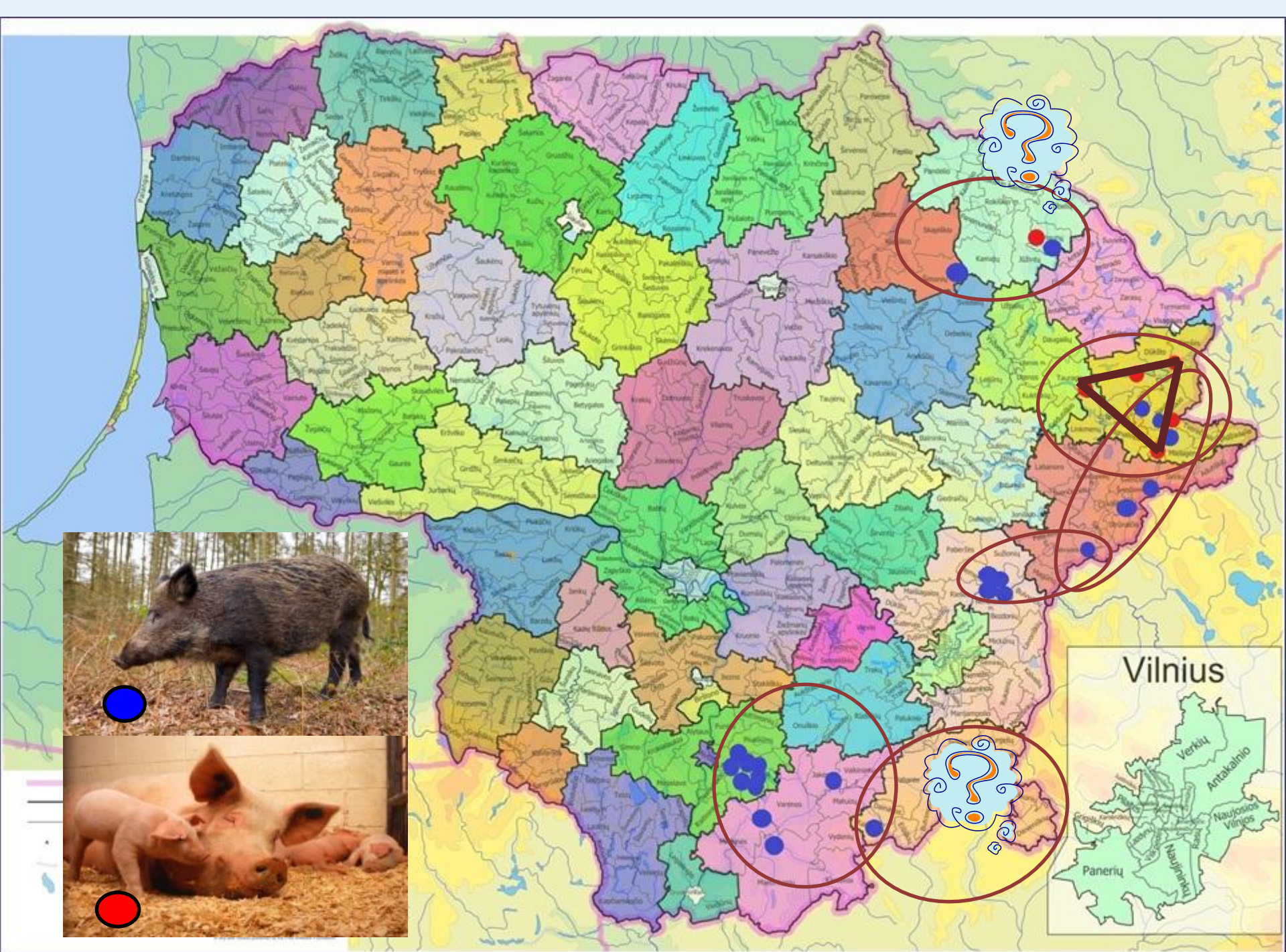
Sileikišk 2014-08-12
ASF/3





Commission Implementing Decision 2014/790/EU





Actions taken (1)

- **An intensive awareness campaign** on prevention and biosecurity measures against ASF is carried out;
- **The surveillance** of domestic pigs and wild boars is carried out in the entire territory of Lithuania;
- **Inspections** are carried out in all pig holdings in the surrounding regions in order to check the biosecurity measures, for the purpose of clinical investigation and sampling to ensure early detection of the introduction of the ASF virus;
- **All pig holdings have been repeatedly advised** to immediately notify in case of increased mortality or morbidity;
- **Till 15 of December in the Part III area** of the Commission Implementing Decision 2014/709/EU all pigs in holdings with low biosecurity measures will be early slaughtered after ASF tests.

Actions taken (2)

- **Veterinary certification** rules have been approved and implemented; Before the movement of pigs from their keeping place clinical examination are carried out and veterinary certificate are issued 24 hours prior their movement;
- **Hunting with beaters is forbidden** in Part III of the Annex of the Decision 2014/709/EU and in all regions bordering with Belarus; In other territories hunting with beaters is provided once per month in one hunting unit.
- **Intensive communication with hunters** - all discovered dead wild boars or killed in road accidents are delivered for ASF testing to the NRL.

Thank you for your attention