



REPUBLIC OF ESTONIA
VETERINARY AND FOOD BOARD

African swine fever in Estonia

PAFF Committee

3-4.11.2014

Chronology (1)

- **First case of wild boar:**
 - On 2nd September one wild boar piglet was found dead in Valga distric, Hummuli parish, 6 km from the Latvian border
 - Autopsy showed clinical signs
 - Samples taken: spleen, tonsils, kidneys
 - Preliminary results from National Reference Laboratory (RT-PCR, ELISA)
 - On 5th September confirmation from EU reference laboratory for African swine fever:
 - RT-PCR positive, IPT positive
 - ASFV belongs to genotype II
- Possible source of infection: movement of infected wild boar from infected area (Latvia)
- The restrictions have been placed to 24 pig farms in the infected area.

Chronology (2)

- Location of the first case



Chronology (3)

- **Second case:**

- On 7th of September one dead wild boar was found in Viljandi district, Tarvastu parish, 25 km from the first wild boar location
- Confirmation from NRL on 9th of September
- The restrictions have been placed to 3 pig farms in the infected area.



Chronology (4)

- **3rd case:**
 - Dead wild boar was found in Ida-Virumaa district, Lüganuse parish, 220 km from the second wild boar case location
 - Source of infection: unknown, possible human interaction
 - The restrictions have been placed to 3 pig farms in the infected area.

Locations of 3 cases



Chronology (5)

- **4th case:**
 - On 18th of September one abnormally behaved wild boar was shot in Valgamaa district, Õru parish, 18 km from the first wild boar location
 - Autopsy: splenomegaly, petechial haemorrhages on kidneys
 - The restrictions have been placed to 5 pig farms in the infected area.

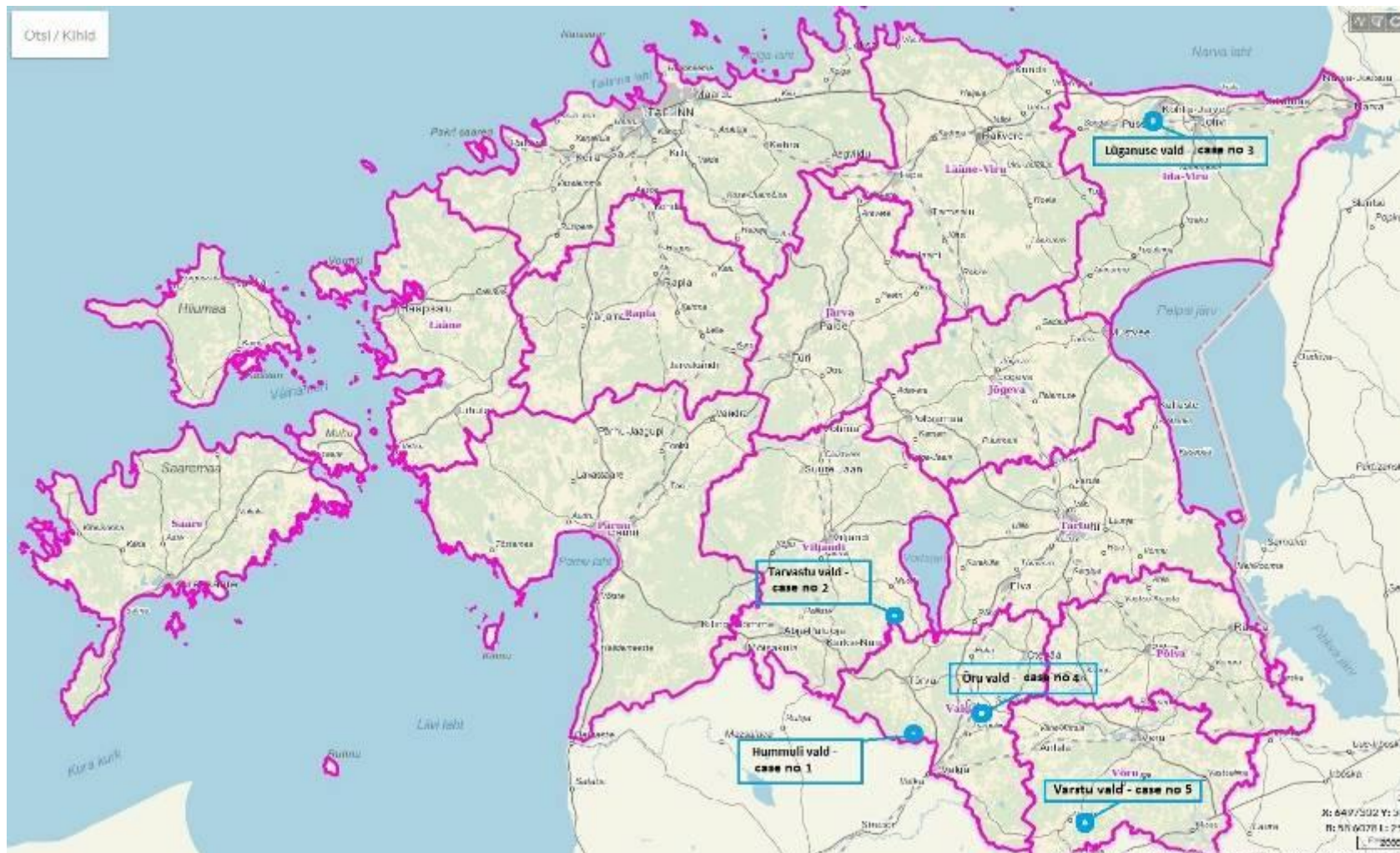
Locations of 4 cases



Chronology (6)

- 5th case:
 - On 26th of October 4 dead wild boars were found in Võrumaa district, Varstu parish
 - Autopsy: 1 wild boar had haemorrhages on skin and kidneys, other 3 wild boars were rotten
 - The restrictions have been placed to 5 pig farms in the infected area.

Locations of 5 cases



Chronology – positive cases

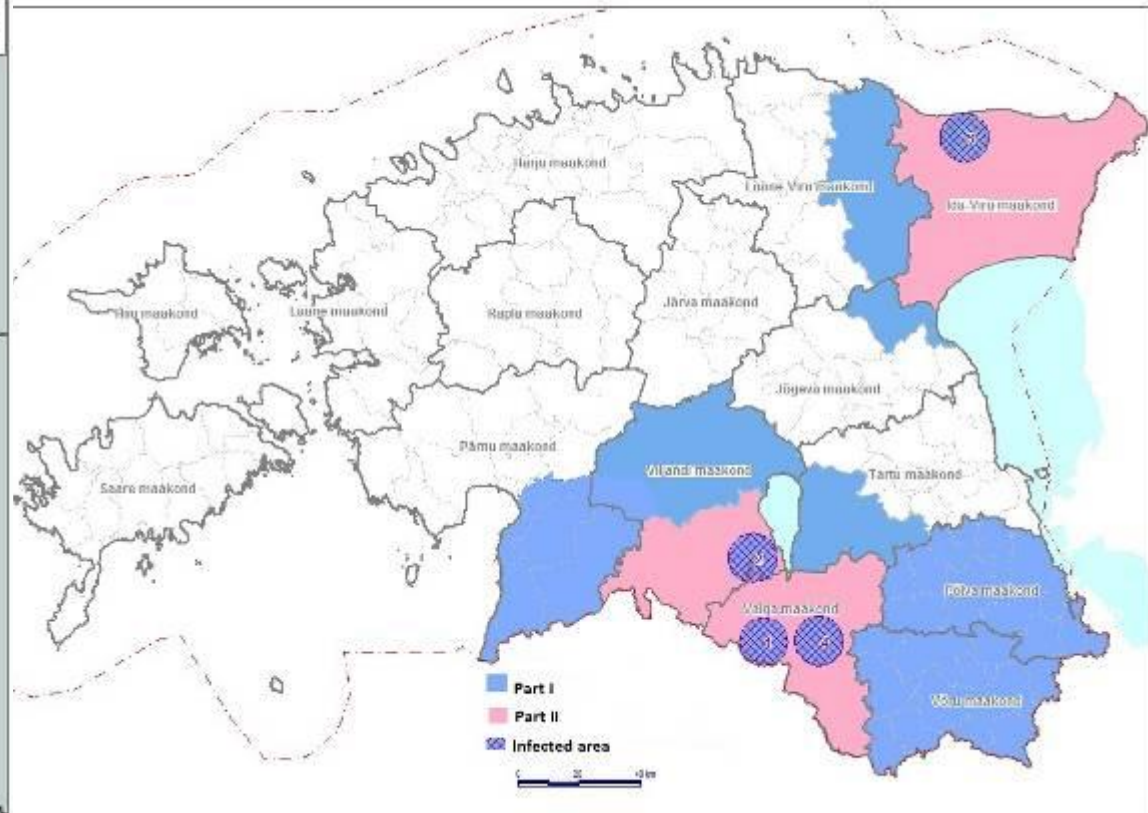
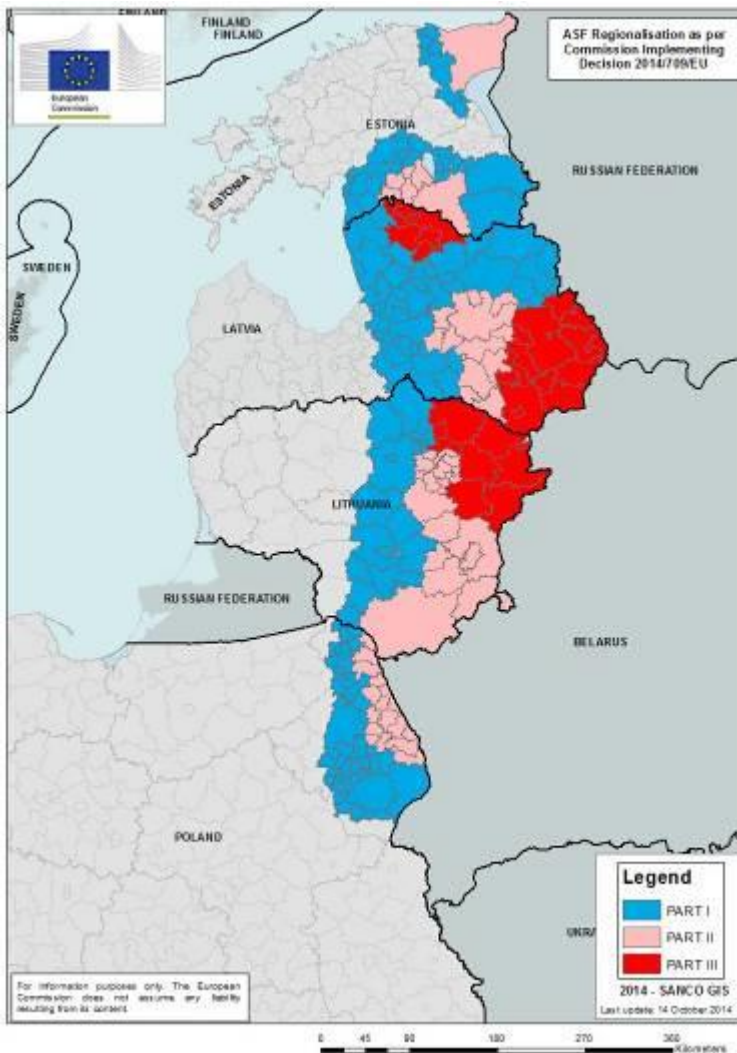
Week, 2014	Cases in wild boar	Location
01/09-07/09	1	Case no 1 (Valga county)
08/09-14/09	4	Case no 2 (Viljandi county)
	1	Case no 1
15/09-21/09	1	Case no 3 (Ida-Virumaa county)
	1	Case no 2
	1	Case no 4 (Valga county)
22/09-28/09	2	Case no 2
29/09-05/10	1	Case no 2
06/10-12/10	2	Case no 1
	7	Case no 2
13/10-19/10	4	Case no 2
27/10-02/11	1	Case no 1
	3	Case no 2
	4	Case no 5 (Võru county)

Laboratory tests in wild boars (tests based data*)

Type of tests	Number of tests in wild boar	Total number of positive tests	Number and type of positive samples
ELISA	410	3	Organ 1
			Serum 2
IPT	6	6	Organs 4
			Serum 2
PCR	431	31	Organs 15
			Serum 1
			Bone marrow 15

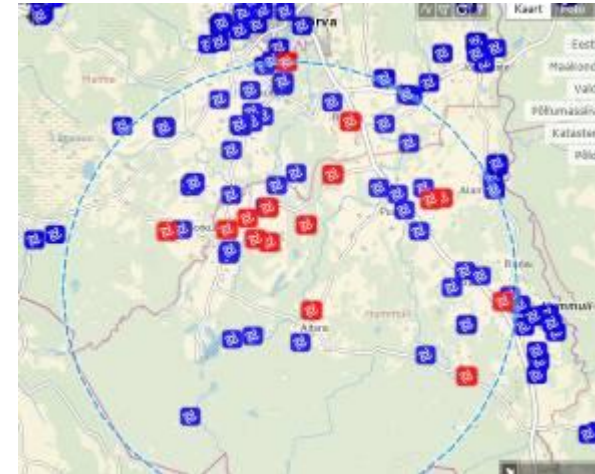
* Data does not include confirmatory tests and molecular characterization in EU reference laboratory

ASF outbreaks in wild boar, infected areas and new territories with restrictions



Following actions

- Measures according to Council Directive 2002/60/EC have been applied:
 - Epidemiological investigation
 - Establishing infected area – 200 km²
 - Testing of wild boars
 - Restrictions to pig farms in infected area
- In all occasions carcasses have been buried at the location



Cooperation

- National Disease Control Centre meeting
- Local Disease Control Centre meeting
- Several meetings with hunting organizations, pig farmers
 - Biosecurity
 - Hunting
 - Additional feeding

Hunting, feeding

- According to the decree of Environmental Board:
 - It is forbidden to organize battue in the areas belonging to Part II
 - Additional feeding is allowed in feeding lots in parts I-III

ASF surveillance in Estonia

- The number of animals tested (1 January – 24 October)

	PCR	ELISA
Domestic pigs	1019	1152
Wild boar	401	410
Total	1420	1562

- Total number of tested animals
 - Domestic pigs: 1152
 - Wild boars: 475
 - 379 hunted
 - 96 found dead/carcasses (tissue, bone marrow)

Control checks in pig farms (1)

- All pig farms were controlled within a month and the number of pigs in the holding was verified by 15th September 2014
- Aim of the checks:
 - Number of pigs kept
 - Control of biosecurity requirements
 - Control of ban of keeping pigs outside

Control checks in pig farms (2)

- Results:
 - Number of farms visited: 1160
 - Number of farms with pigs: 920
 - Total number of pigs: 380 090
 - 21 farms were advised about better biosecurity rules
 - 20 farms violated the outdoor keeping ban

Preventive/control measures (1)

- All live pig transport vehicles from Latvia, Lithuania, Poland, Russian Federation and Belarus have 48 hours standstill before entering the farm and new loading
- Additional cleaning and disinfection on the territory of Estonia must be carried out and proved with documents
- Import ban for non-heat treated feed from the infected areas in Latvia, Lithuania, Poland, Russian Federation and Belarus
- Luhamaa BIP (approved for live animal imports)- documentary and physical checks for cleaning and disinfection

Preventive/control measures (2)

- In cooperation with Customs – personal luggage checks
- Since 25.07 ban for keeping domestic pigs and farmed wild boar outside
- Feed and drinking water must be kept inside
- Awareness campaigns
 - Leaflets in 2 languages – directly to farmers
 - TV, radio, press notices
 - Special webpage <http://www.seakatk.ee>