



REPUBLIC OF ESTONIA  
VETERINARY AND FOOD BOARD

# African swine fever in Estonia

PAFF Committee

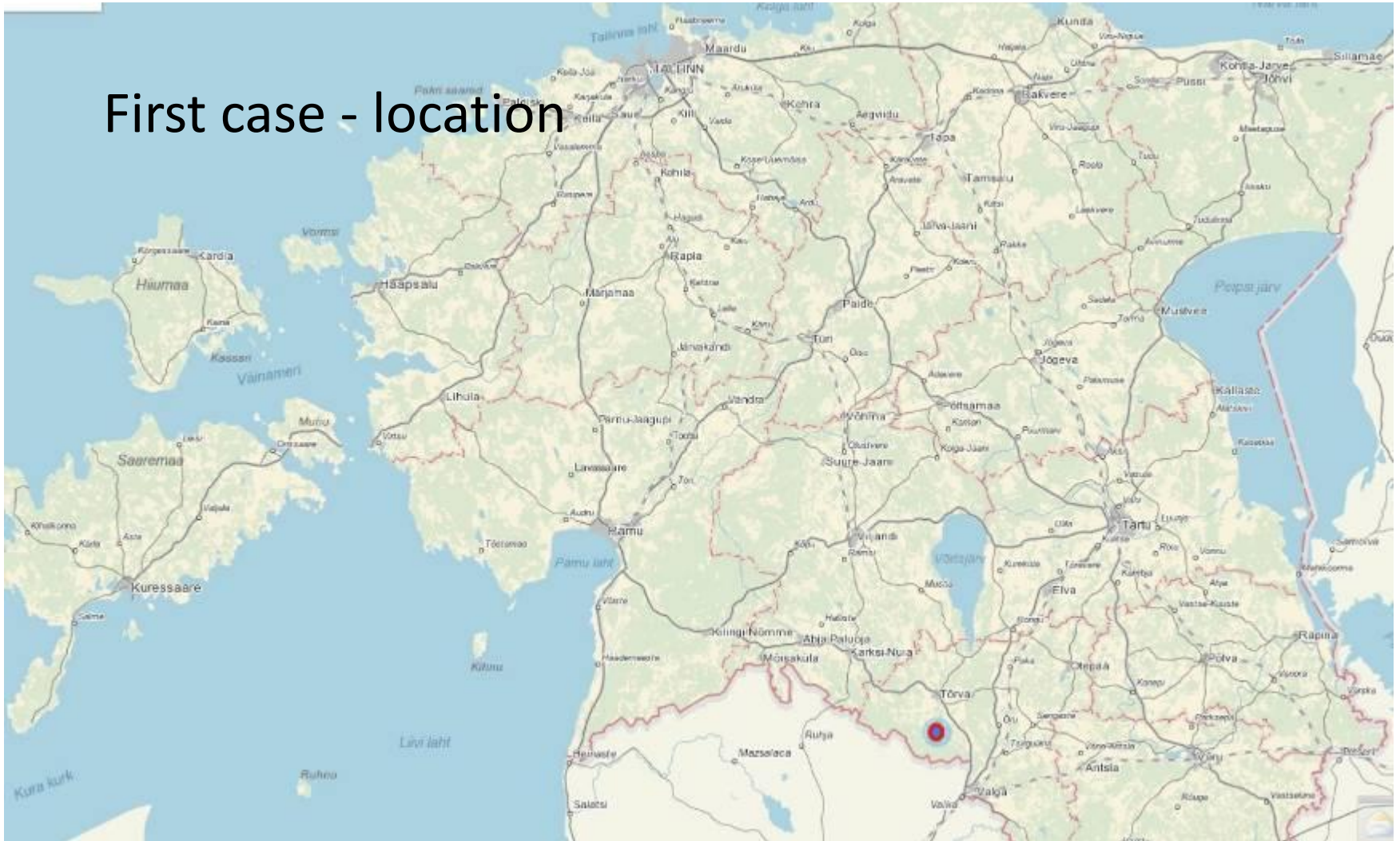
6.10.2014

# 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 board from infected area (Latvia)

# Chronology (2)

First case - location



# 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



# Chronology (4)

- **3rd case:**
  - On 15th of September dead wild boar was found in Ida-Virumaa district, Lügänuuse parish, 220 km from the second wild boar case location
  - Source of infection: unknown, possible human interaction



# 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

# Chronology (6)

- Map with locations of 4 cases





# Chronology – positive cases

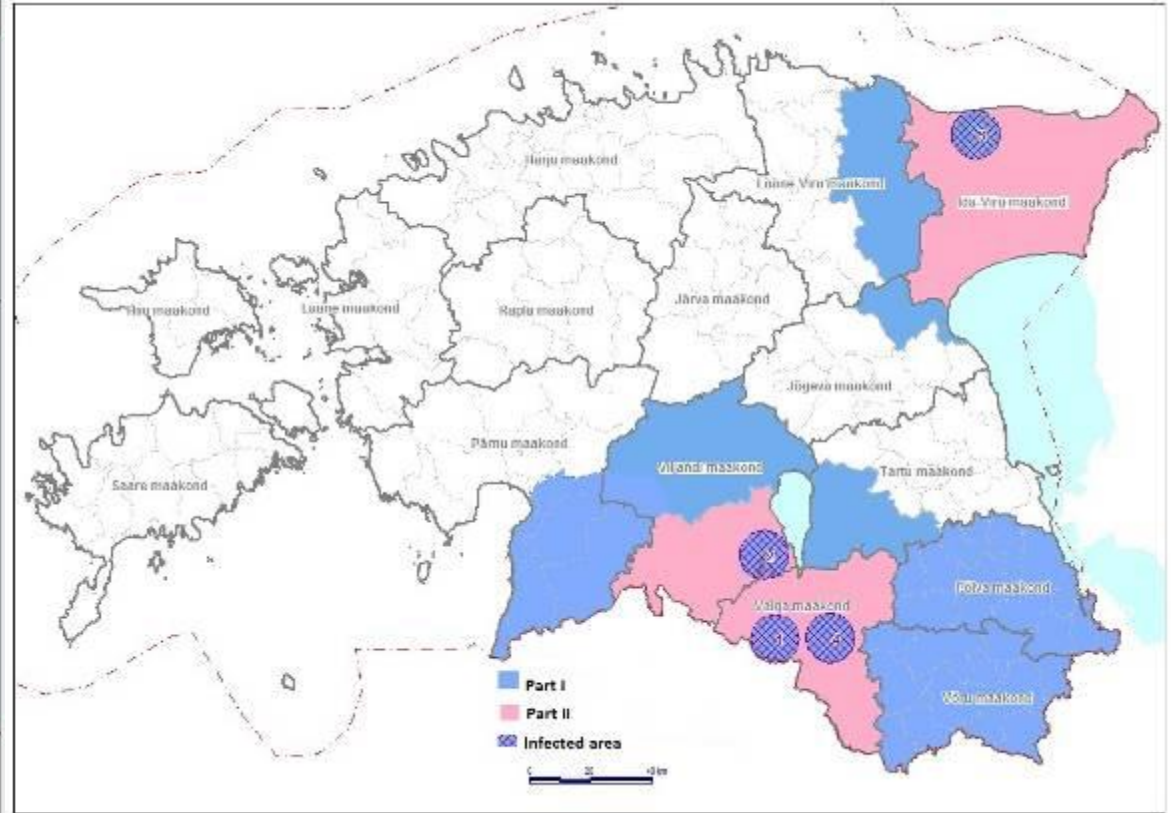
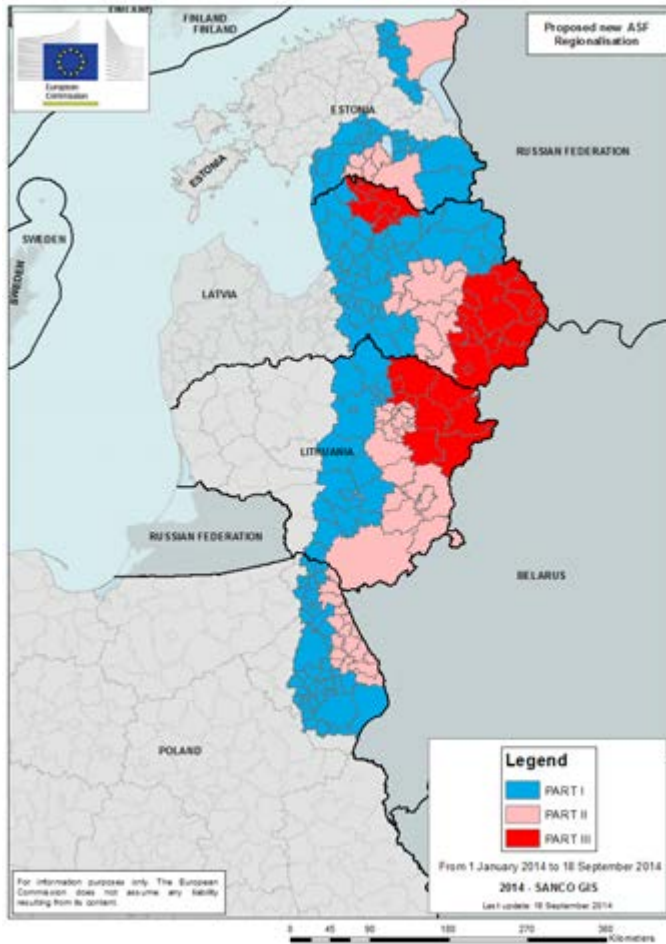
Week, 2014	Cases in wild boar	Location
01/09-07/09	1	Case no 1 (Valga county)
08/09-14/09	4	Case no 2 (Viljandi county)
	1	Case no 1
15/09-21/09	1	Case no 3 (Ida-Virumaa county)
	1	Case no 2
	1	Case no 4 (Viljandi county)
22/09-28/09	2	Case no 2

# 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	348	2	Organ 1
			Serum 1
IPT	6	6	Organs 4
			Serum 2
PCR	343	14	Organs 7
			Serum 1
			Bone marrow 6

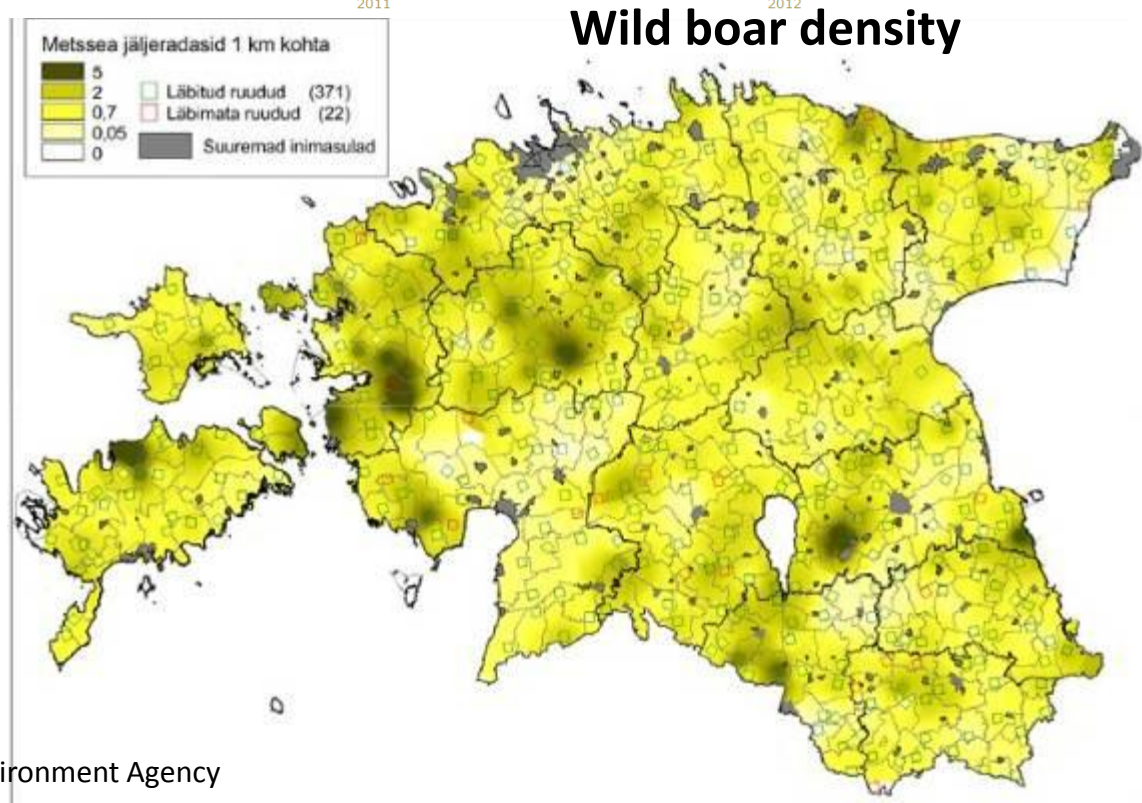
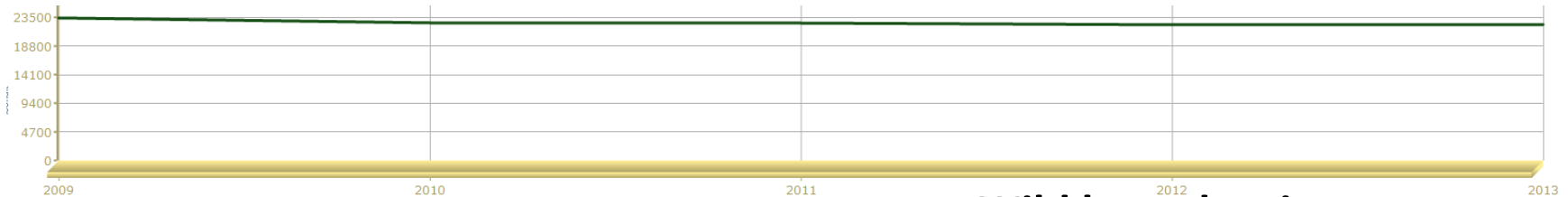
\* Data does not include confirmatory tests and molecular characterization in EU reference laboratory

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



# Wild boar population

- Hunters estimation for the number of wild boar (2014): 19 710
- Population dynamics for the years 2009-2013



# Following actions

- Measures according to Council Directive 2002/60/EC have been applied:
  - Epidemiological investigation
  - Establishing infected area – 200 km<sup>2</sup>
  - Testing of wild boars
  - Restrictions to pig farms in infected area
- In all occasions carcasses have 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-II

# ASF surveillance in Estonia

- The number of animals tested (1 January – 26 September)

	PCR	ELISA
Domestic pigs	515	1034
Wild boar	319	349
Total	834	1383

- Total number of tested animals
  - Domestic pigs: 1034
  - Wild boars: 385
    - 328 hunted
    - 57 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.agri.ee/et/seakatk>