



NACIONALINIS MAISTO IR VETERINARIJOS
RIZIKOS VERTINIMO INSTITUTAS

**NATIONAL FOOD AND VETERINARY RISK ASSESSMENT INSTITUTE –
NATIONAL REFERENCE LABORATORY FOR TRANSMISSIBLE SPONGIFORM
ENCEPHALOPATHIES**

CWD surveillance in Lithuania 2018 - 2019



Viktoras Maskaliovas
Torino, 2019



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INSTITUTE

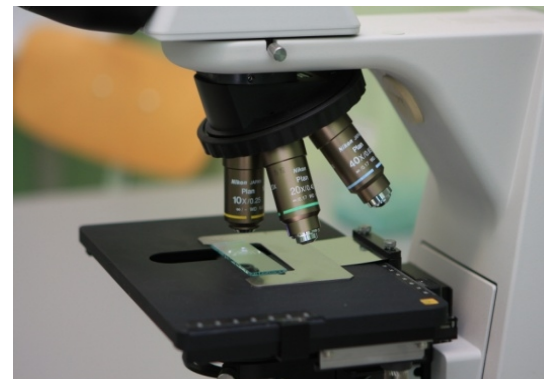
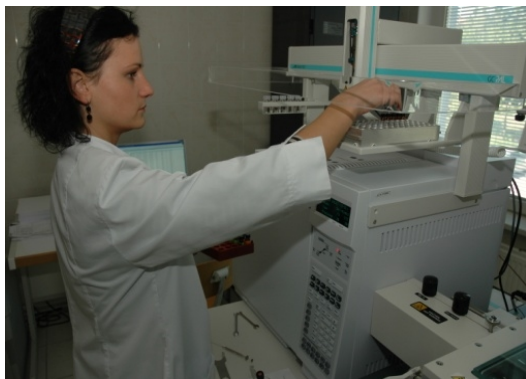
- Lithuanian competent institution for risk assessment in the fields of food safety and animal health.
- Mission – to contribute scientific information, scientific and technical assistance in pursuance of the state policy in the areas of food safety and veterinary, and communicate on risks.
- Established in 2008 after reorganization of the National Veterinary Laboratory (established in 1945) and Lithuanian State Inspection on Veterinary Preparations.
- Branches in Kaunas, Klaipeda, Siauliai, Panevezys and Telsiai.
- 294 employees.





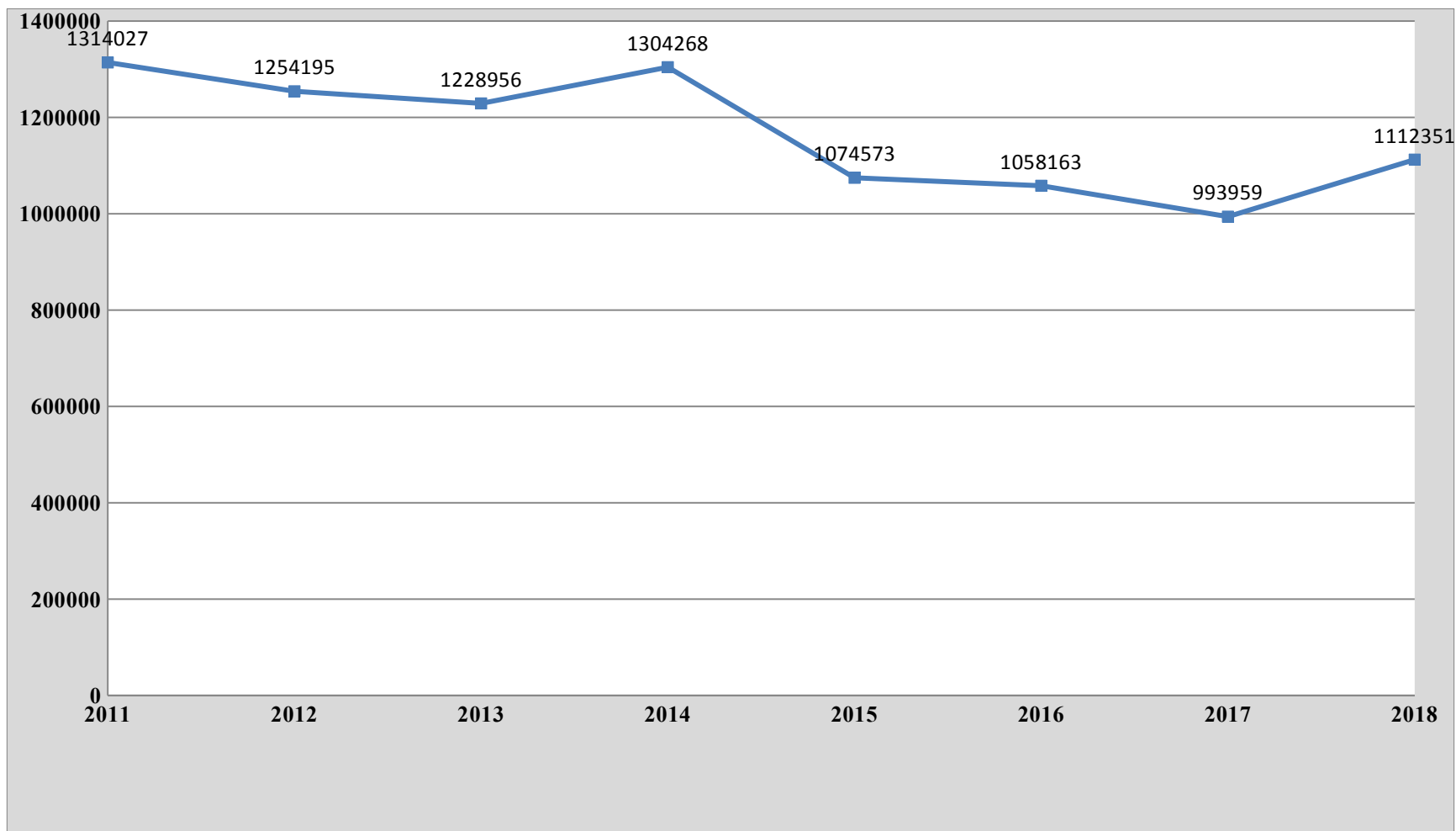
LABORATORY ACTIVITIES

- NRLs in 36 fields covered by EU-RLs for food, feed and animal diseases (including TSE's).
- Laboratory tests of biological, chemical and other risk factors in food and feed.
- Diagnosis of animal diseases.
- Participation and organization of interlaboratory proficiency testing (PT) in cooperation with EU-RLs.
- Implementation and confirmation of laboratory test methods.





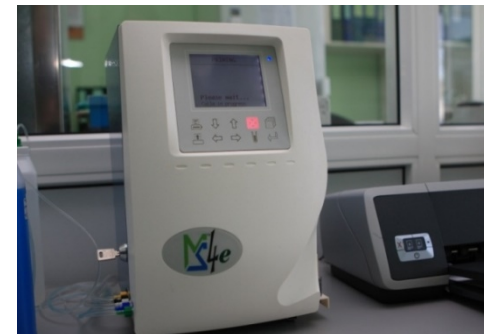
LABORATORY INVESTIGATIONS IN 2011-2018





SURVEILLANCE OF TSE's IN LITHUANIA

- **Methods for TSE's testing in NFVRAI:**
 - *SOP 5.4.4.P.2 The analysis of transmissible spongiform encephalopathies using Bio-Rad rapid test;*
 - *SOP 5.4.4.P.3 The method of histopathological examination of transmissible spongiform encephalopathies;*
 - *SOP 5.4.4.P.5 Immunohistochemical examination of transmissible spongiform encephalopathies;*





CWD testing in 2018

**Wild -
1791**

	Fallen	Road- or predator-injured or killed	Clinical/sick	Hunted/ unfit for HC	Hunted/fit for HC	No data
Roe deer	55	136	19	39	1007	16
White- tailed deer	1	0	0	0	0	0
Red deer	6	17	7	1	356	6
Moose	2	10	3	3	104	3



CWD testing in 2018

Captive cervids - 54

	Fallen	Clinical/sick	Slaughtered/unfit for HC	Slaughtered /fit for HC
Roe deer	0	0	0	27
Red deer	6	1	0	20



CWD testing in 2019

**Wild -
640**

	Fallen	Road- or or killed	Clinical/ sick	Hunted/unfit for HC	Hunted/fit for HC	No data
Roe deer	47	112	4	16	145	92
Red deer	8	18	1	0	135	34
Moose	2	10	2	1	9	4



CWD testing in 2019

Captive cervids - 23

	Fallen	Clinical/sick	Slaughtered/unfit for HC	Slaughtered/fit for HC
Roe deer	0	0	0	8
Red deer	3	0	1	11



**THANK YOU FOR
YOUR ATTENTION !**