

CWD surveillance in Estonia

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Estonian Veterinary and Food Laboratory (VFL)

- State owned laboratory under the Ministry of Rural Affairs
- Central laboratory in Tartu
- Regional laboratories in Tallinn, Rakvere and Saaremaa

VFL is National Reference Laboratory for animal health, including TSE

- TSE diagnostics Tartu laboratory
- Surveillance and monitoring of BSE and Scrapie since 2005
- Surveillance and monitoring of CWD 2018



Laboratory diagnostics related to TSE

- **Diagnostic methods used at VFL**

Department of virology – serology

IDEXX HerdCheck

Department of bacteriology – pathology

Histopathology

Immunohistochemistry

- **Genotyping**

Department of Animal Genetics and Breeding

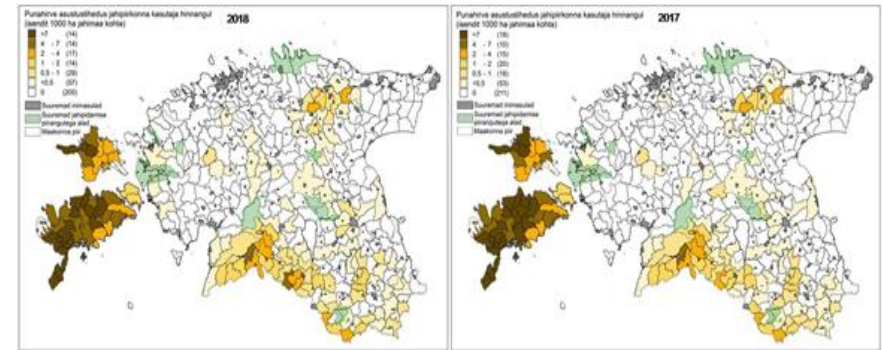
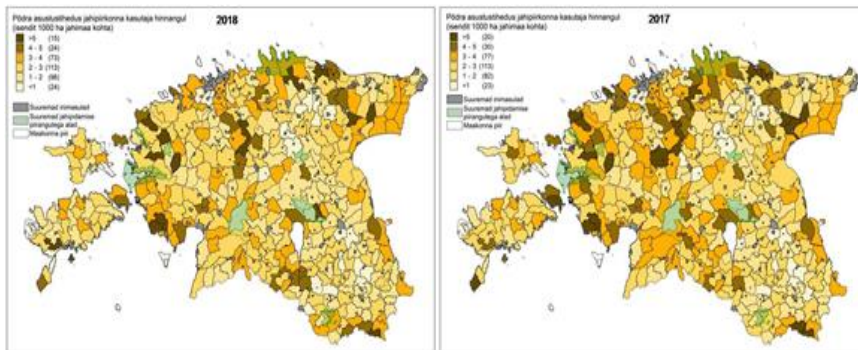
Estonian University of Life Sciences



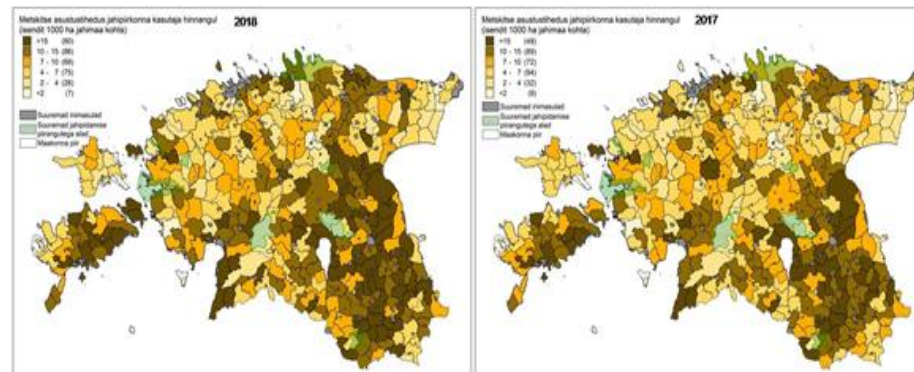
Pictures: Estonian Breeder' s Assosiation

Population of wild cervids in 2018 according to Estonian Environment Agency (animal density per hunting districts):

- European elk (*Alces alces*) - about 10700 animals
- Red deer (*Cervus elaphus*) – about 7000 animals



Roe deer (*Capreolus capreolus*) about 120 000 – 130 000 animals



Surveillance and monitoring of CWD in Estonia

- Three year surveillance programme started 2018
- IDEXX HerdChek BSE-Scrapie Ag Test (EIA)
- Only brain tissue was tested
- All animals were over one year old
- All samples were negative

	European elk	Roe deer	Red deer, wild	Red deer, farmed	Total
2018	84	128	1	4	217
2019 Jan-Aug	0	118	0	0	118

Thank you for your attention!

