

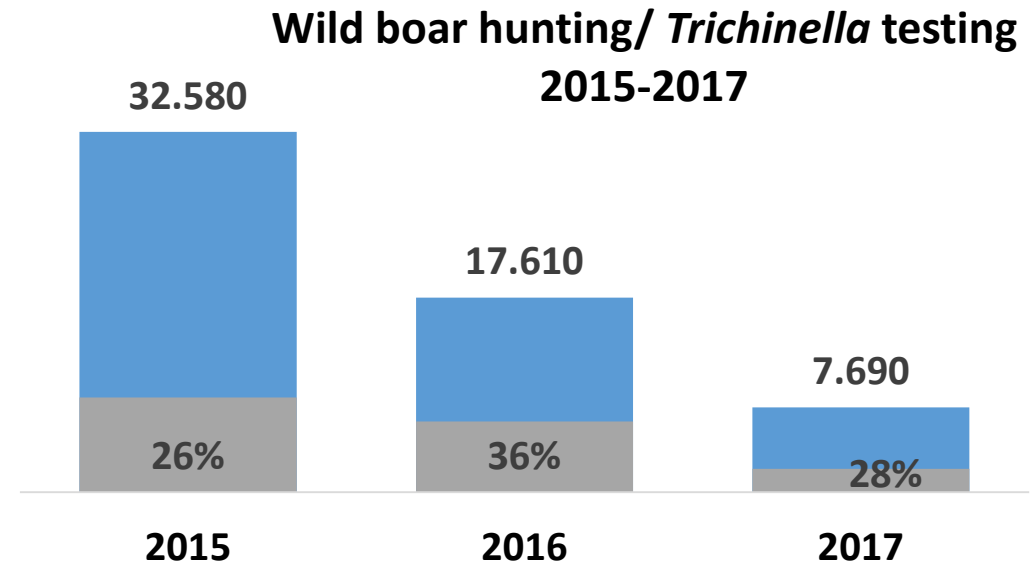


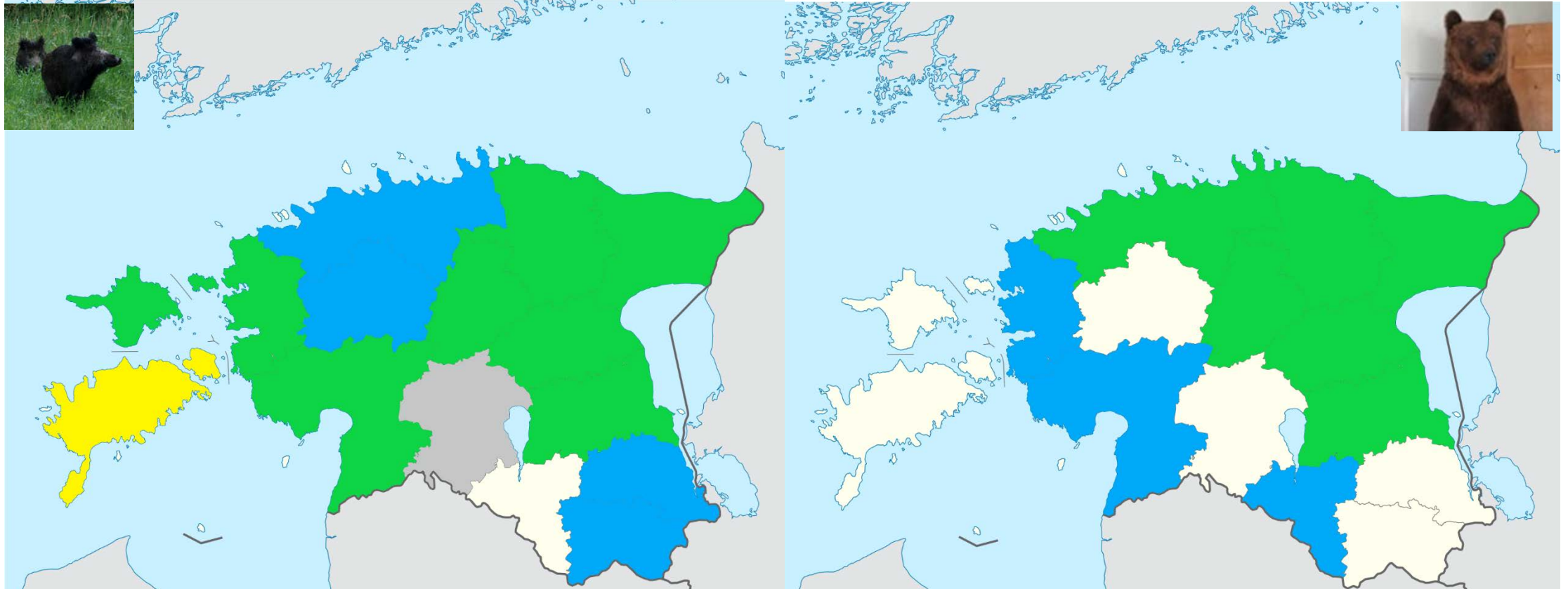
Trichinella in wild animals in Estonia 2015-2017

Age Kärssin, Veterinary and Food Laboratory, Tartu, Estonia

Materials and methods

- 17,100 wild boar (*Sus scrofa*)
- 185 samples from brown bear (*Ursus arctos*)
- 3 badgers (*Meles meles*)
- 3 lynx (*Lynx lynx*)

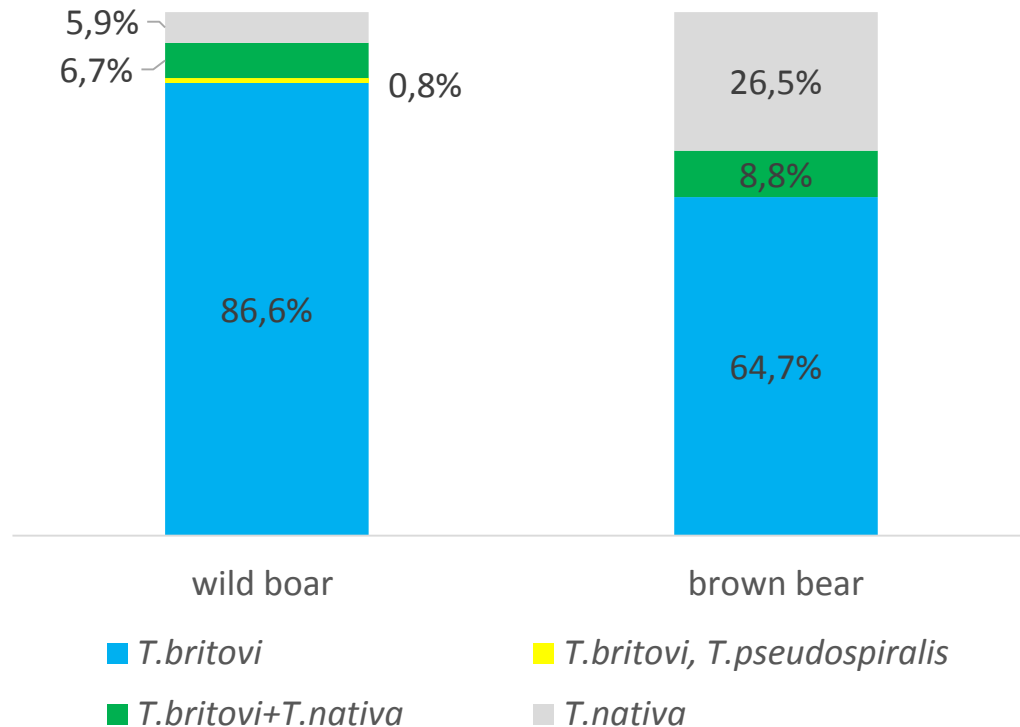




***Trichinella* species distribution in wild boar (*Sus scrofa*) (n=143) (A) and brown bear (*Ursus arctos*) (n=34) (B) by county in 2015–2017 in Estonia.**

Grey - <i>T. nativa</i> only
Green- <i>T. britovi</i> , <i>T. nativa</i>
Blue – <i>T. britovi</i> only
Yellow - <i>T. britovi</i> , <i>T. pseudospiralis</i>

Distribution of *Trichinella* findings by species in wild boar and brown bear 2015-2017



Trichinella spp. prevalence estimate

- Wild boar - 1%
- Brown bear - ca 20%
- Badger – positive 2 of 3
- Lynx – positive 2 of 3

Conclusions

- *Trichinella* is continuously endemic in wild animals in Estonia.
- Most prevalent *Trichinella* species in tested animals was *T. britovi*

Acknowledgements:

Liidia Häkkinen, Kaidi Korge, Ingrid Ott from bacteriology-pathology department, Annika Vilem from molecular analysis department, Lea Vilu from Rakvere VTL, Mai Truutsi from Saaremaa VTL, Kristel Lilles from Tallinn VTL.
Pikka Jokelainen, Brian Lassen, Imbi Nurmoja

Thank you for your attention!