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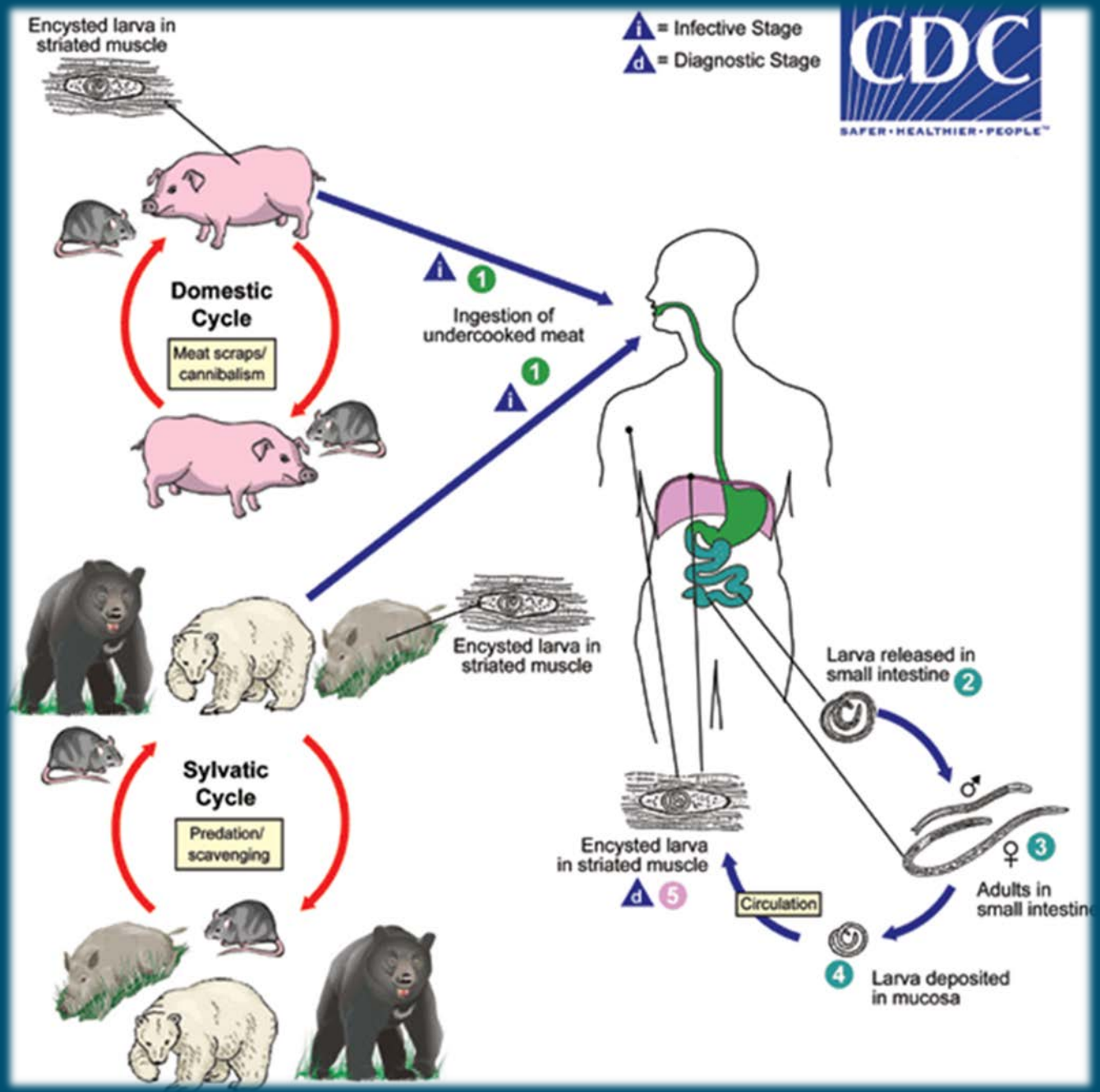
# *Trichinella* species in change in Finland

Antti Oksanen

**NRLP Workshop 2019**

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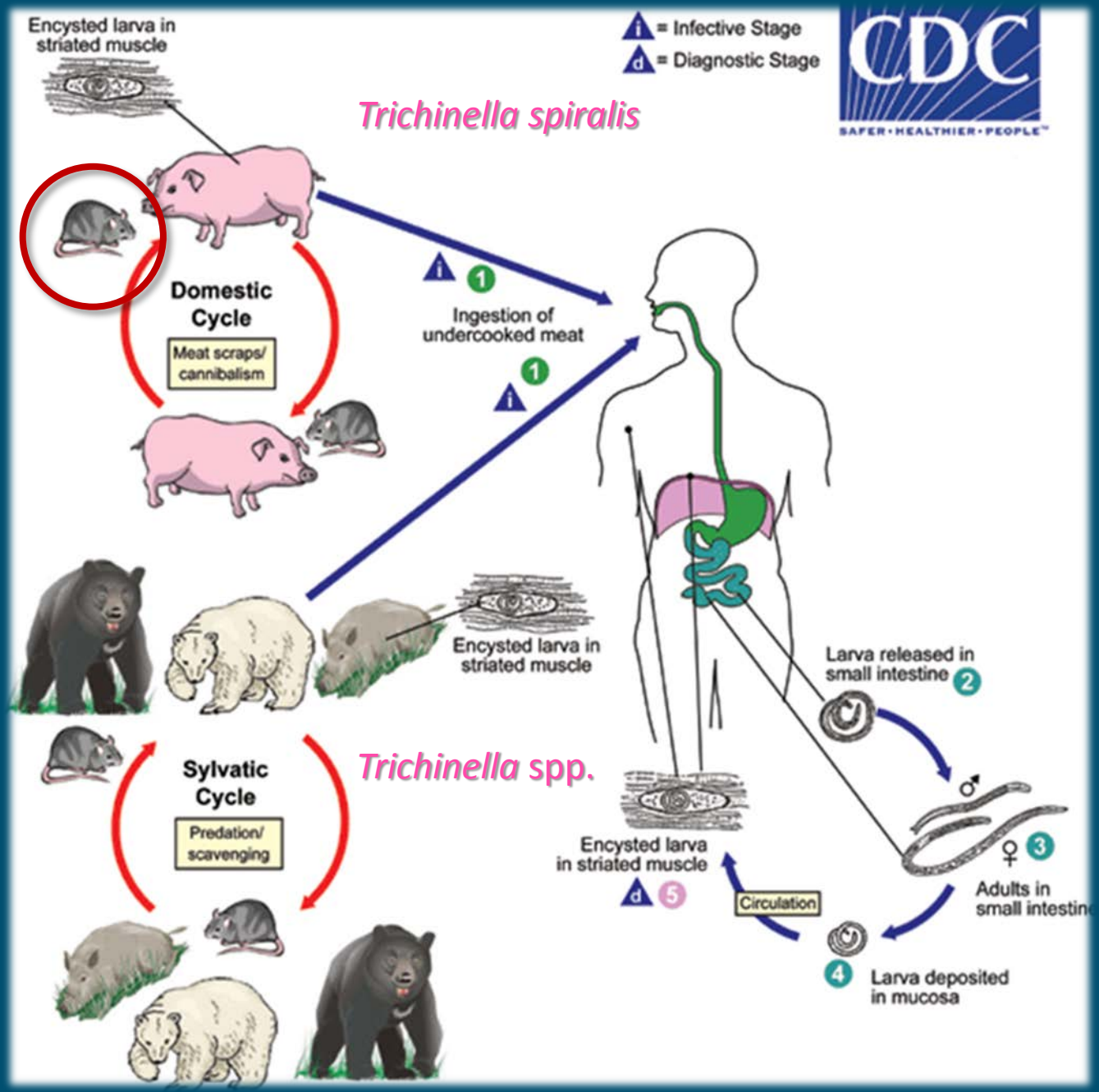


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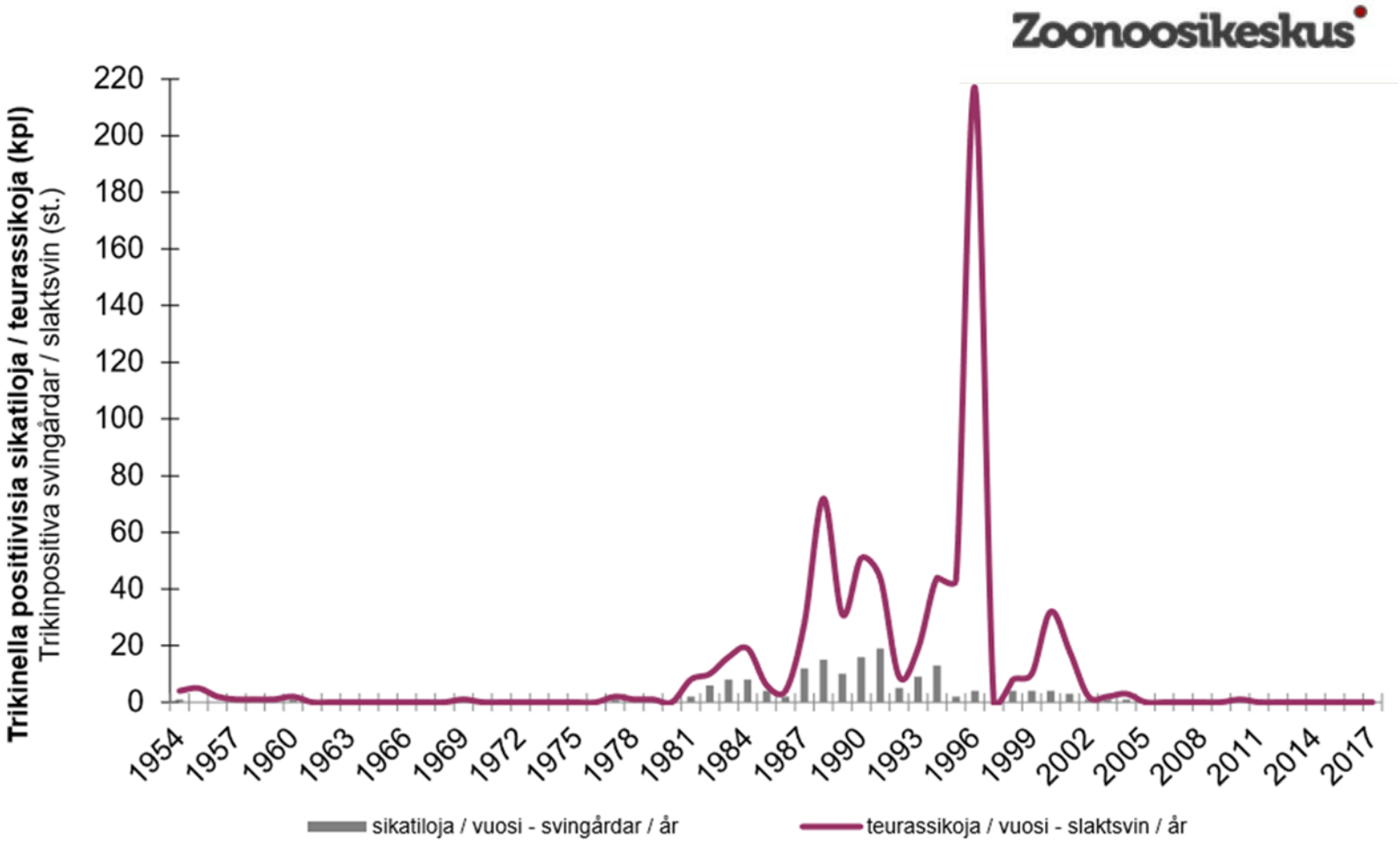
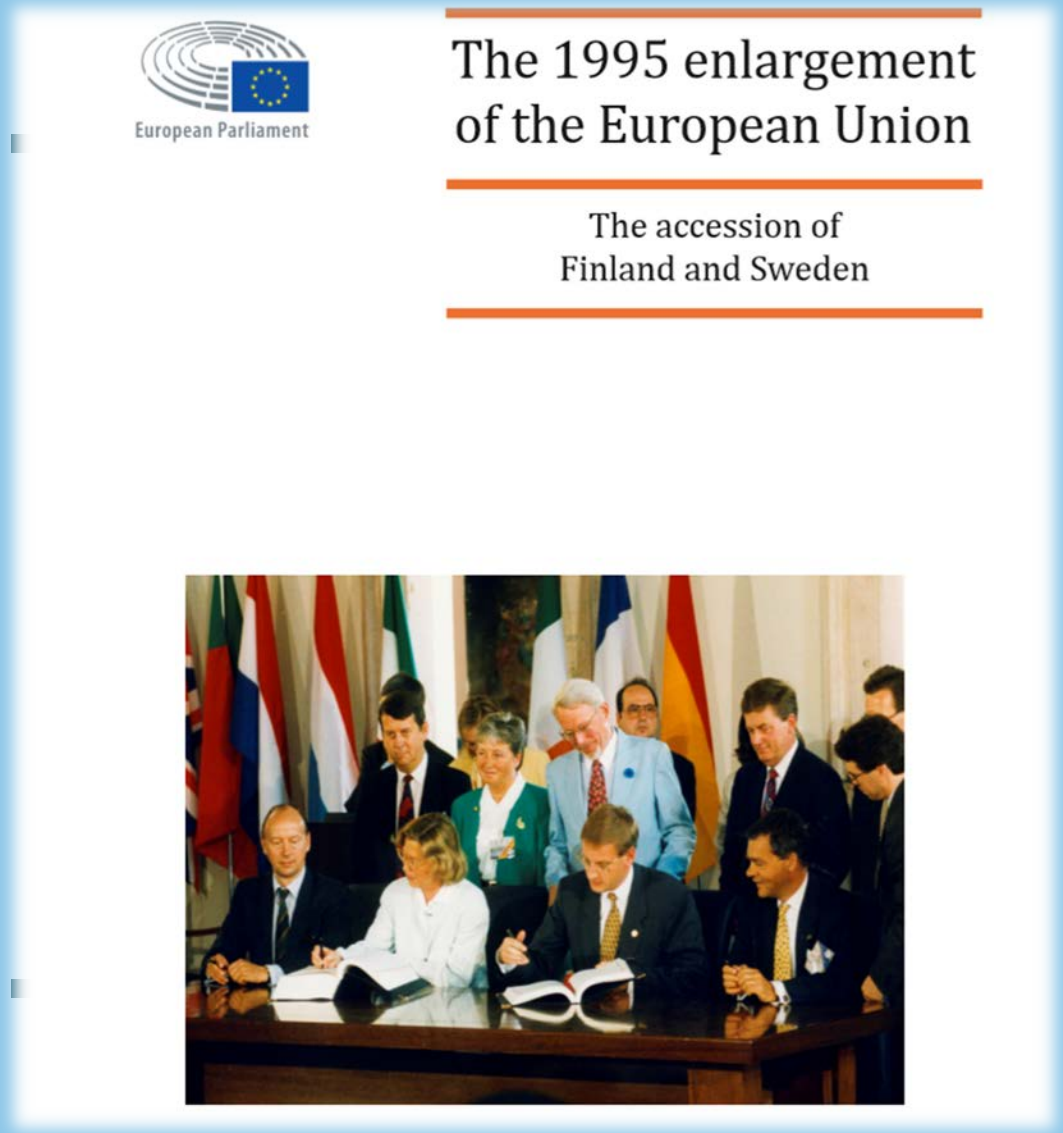
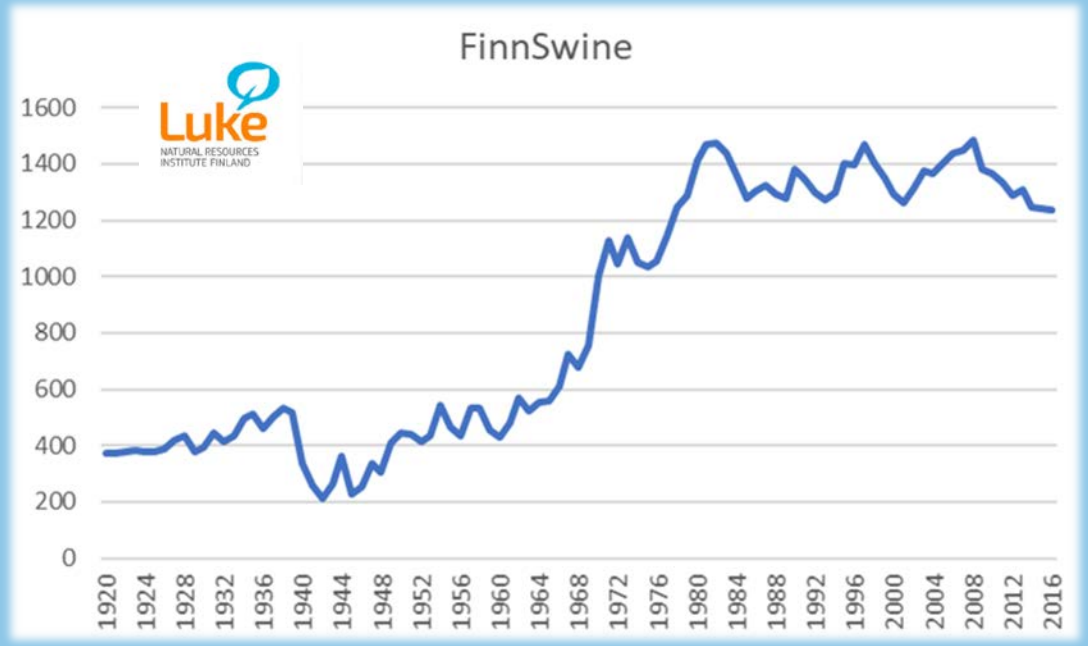
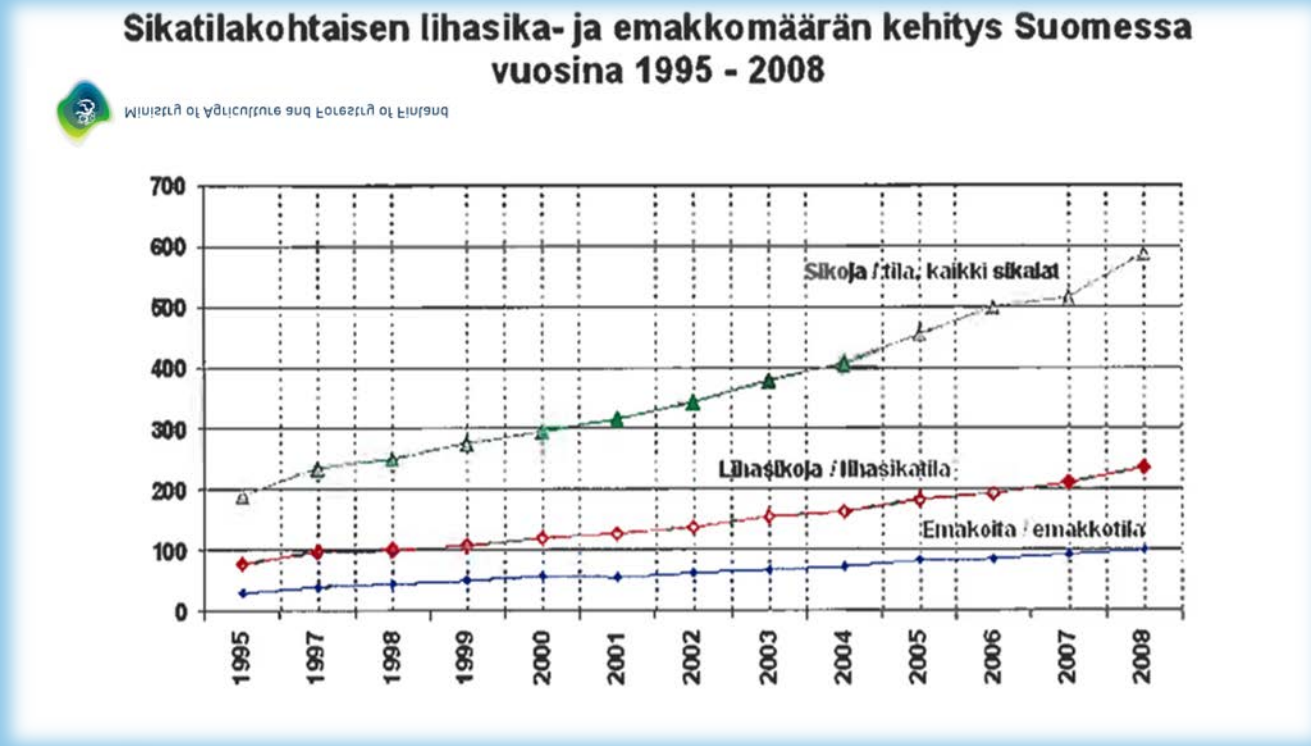

Zoonoosikeskus
Trikinella positiivisia sikatiloja / teurassikoja (kpl)
Trikinpositiva svingårdar / slaktsvin (st.)
220
200
180
160
140
120
100
80
60
40
20
0
1954
1957
1960
1963
1966
1969
1972
1975
1978
1981
1984
1987
1990
1993
1996
1999
2002
2005
2008
2011
2014
2017
sikatiloja / vuosi - svingårdar / år
teurassikoja / vuosi - slaktsvin / år



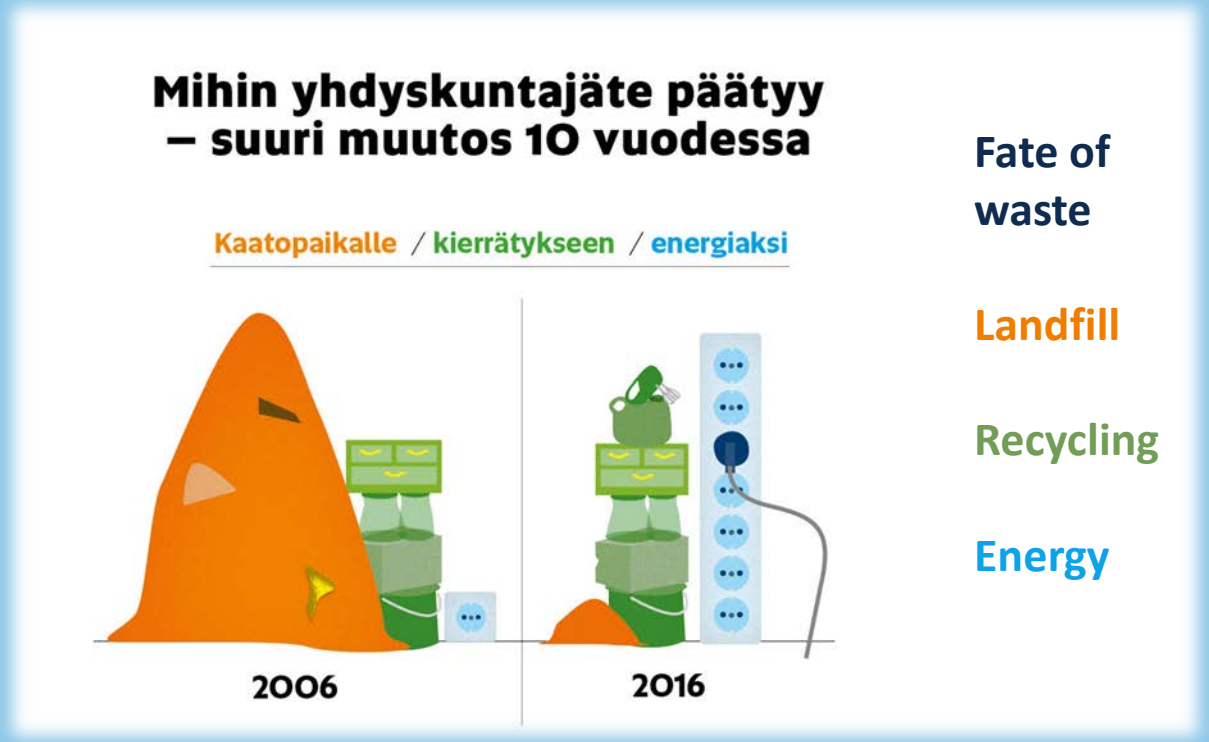

# EU directive against *Trichinella*?





https://www.pellon.fi/




Kuntatekniikka

**Fate of waste**

**Landfill**

**Recycling**

**Energy**


University of Alberta

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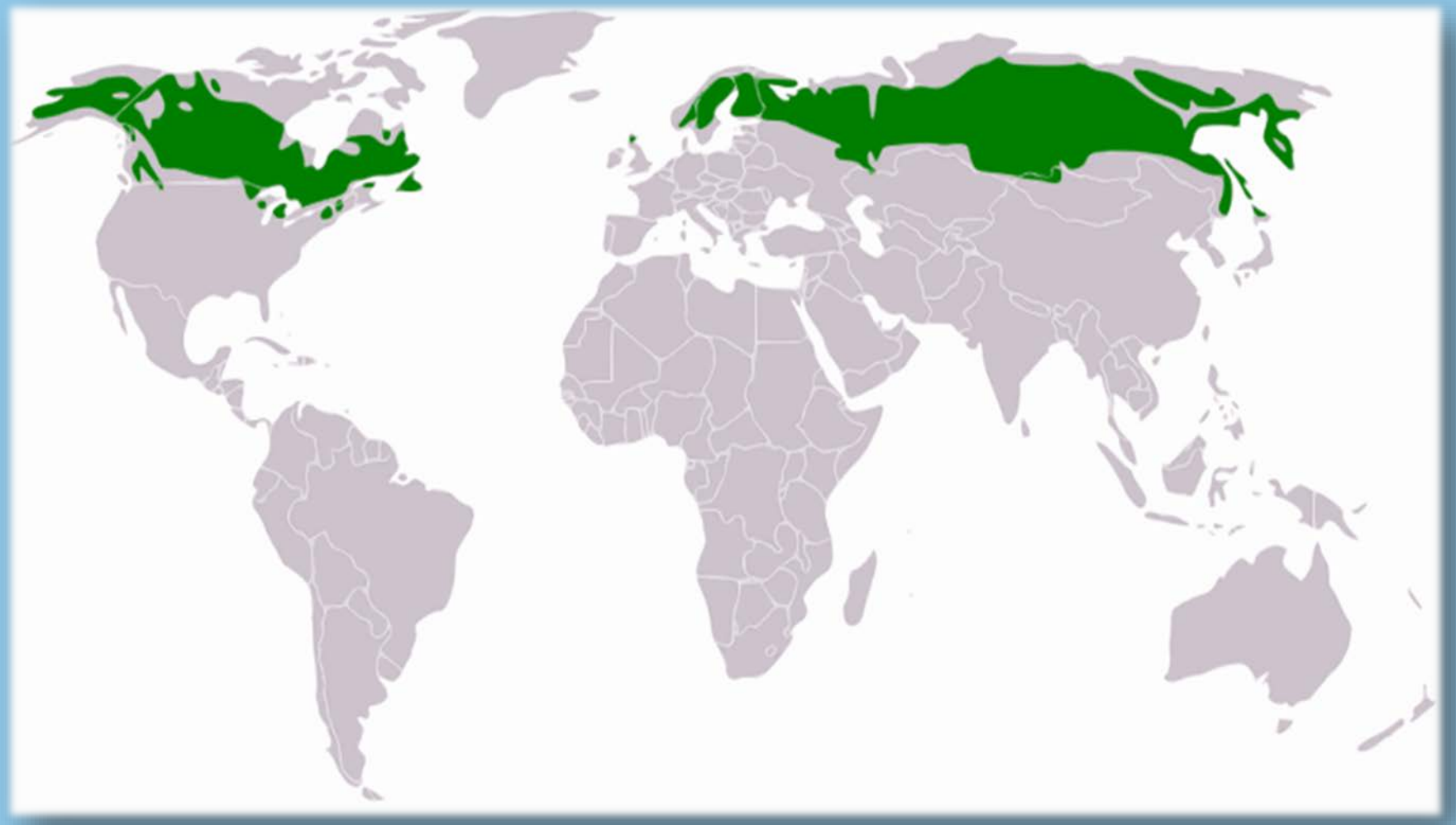
# Urbanization of rats

worldatlas



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Photos: Wikipedia

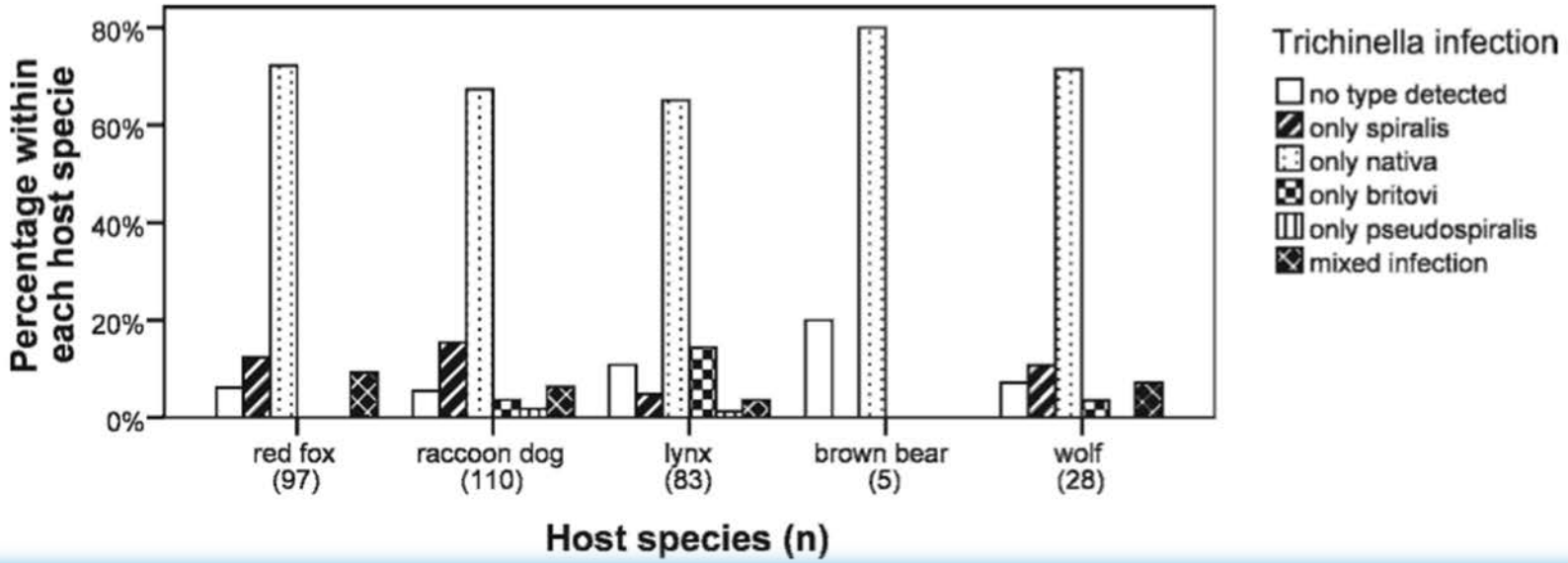
*J. Parasitol.*, 96(1), 2010, pp. 67–76


# SYLVATIC *TRICHINELLA* SPP. INFECTION IN FINLAND

**Niina Airas*, Seppo Saari*, Taina Mikkonen, Anna-Maija Virtala, Jani Pellikka†, Antti Oksanen‡, Marja Isomursu‡, Seija-Sisko Kilpelä§, Chae W. Lim‖, and Antti Sukura**

Department of Basic Veterinary Sciences (FINPAR), Faculty of Veterinary Medicine, P.O. Box 66, FI-00014 University of Helsinki, Finland





IJP: Parasites and Wildlife 9 (2019) 149–153

Contents lists available at ScienceDirect

IJP: Parasites and Wildlife

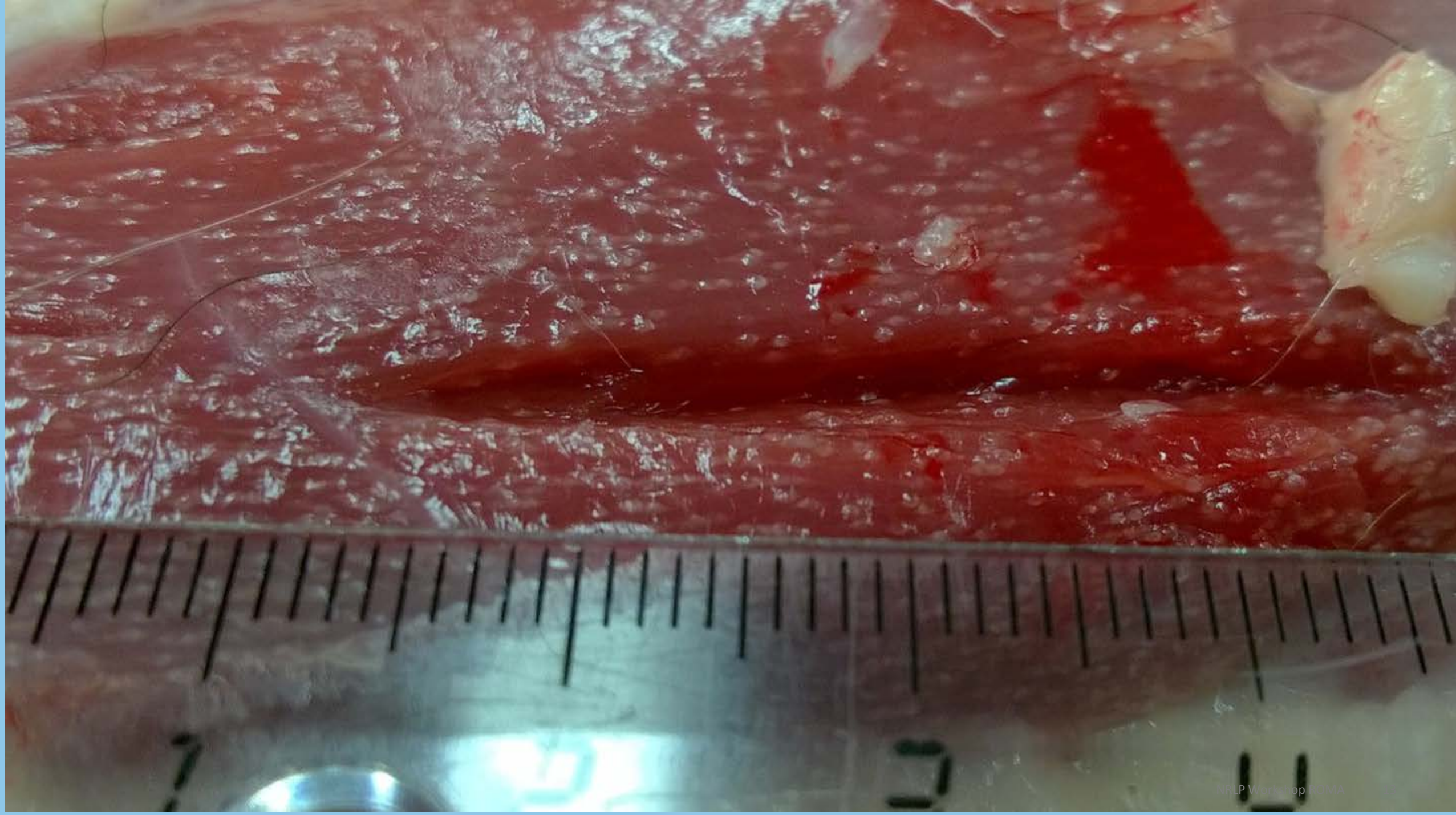
journal homepage: www.elsevier.com/locate/ijppaw

# The occurrence and muscle distribution of *Trichinella britovi* in raccoon dogs (*Nyctereutes procyonoides*) in wildlife in the Głęboki Bród Forest District, Poland

Aleksandra Cybulska*, Aleksandra Kornacka, Bożena Moskwa

*Witold Stefański Institute of Parasitology, Polish Academy of Sciences, 00-818, Warsaw, Twarda 51/55, Poland*

2017). In contrast, the most commonly-identified *Trichinella* species identified in raccoon dogs in Finland was *T. nativa*, followed by *T. spiralis* and *T. britovi* (Airas et al., 2010); this contrasts with Antti et al. (2018) who found *T. nativa* to be prevalent among raccoon dogs in Finland, followed by *T. britovi*. Additionally, Mayer-Scholl et al. (2016) found *T. spiralis* to be


NRLP Workshop 2014

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J. Parasitol., 84(1), 1998 p. 193–195


## Distribution of Sylvatic Species of *Trichinella* in Estonia According to Climate Zones

**E. Pozio, I. Miller*, T. Järvis*, C. M. O. Kapel†, and G. La Rosa,** Laboratory of Parasitology, Istituto Superiore di Sanità, viale Regina Elena 299, 00161 Rome, Italy; *Department of Parasitology, Faculty of Veterinary Medicine, Estonian Agricultural University, Tartu, Estonia; and †Danish Center for Experimental Parasitology, Royal University of Veterinary Medicine and Agriculture, Frederiksberg C, Denmark

2017). In contrast, the most commonly-identified *Trichinella* species identified in raccoon dogs in Finland was *T. nativa*, followed by *T. spiralis* and *T. britovi* (Airas et al., 2010); this contrasts with Antti et al. (2018) who found *T. nativa* to be prevalent among raccoon dogs in Finland, followed by *T. britovi*. Additionally, Mayer-Scholl et al. (2016) found *T. spiralis* to be


400