

# Is there a risk of bluetongue in Finland?

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## Yes – there is a risk of bluetongue in Finland

- Release of bluetongue into Finland is possible (by movement of infected animals, vectors, semen or embryos)
- Exposure of the susceptible animal population in Finland is possible during the vector season

### Construction of pathways

- Scientific literature
- Data: susceptible animal population, presence of competent vectors, surveillance, distribution maps of BTV infection, relevant environmental parameters, risk management etc.
- Panel of experts

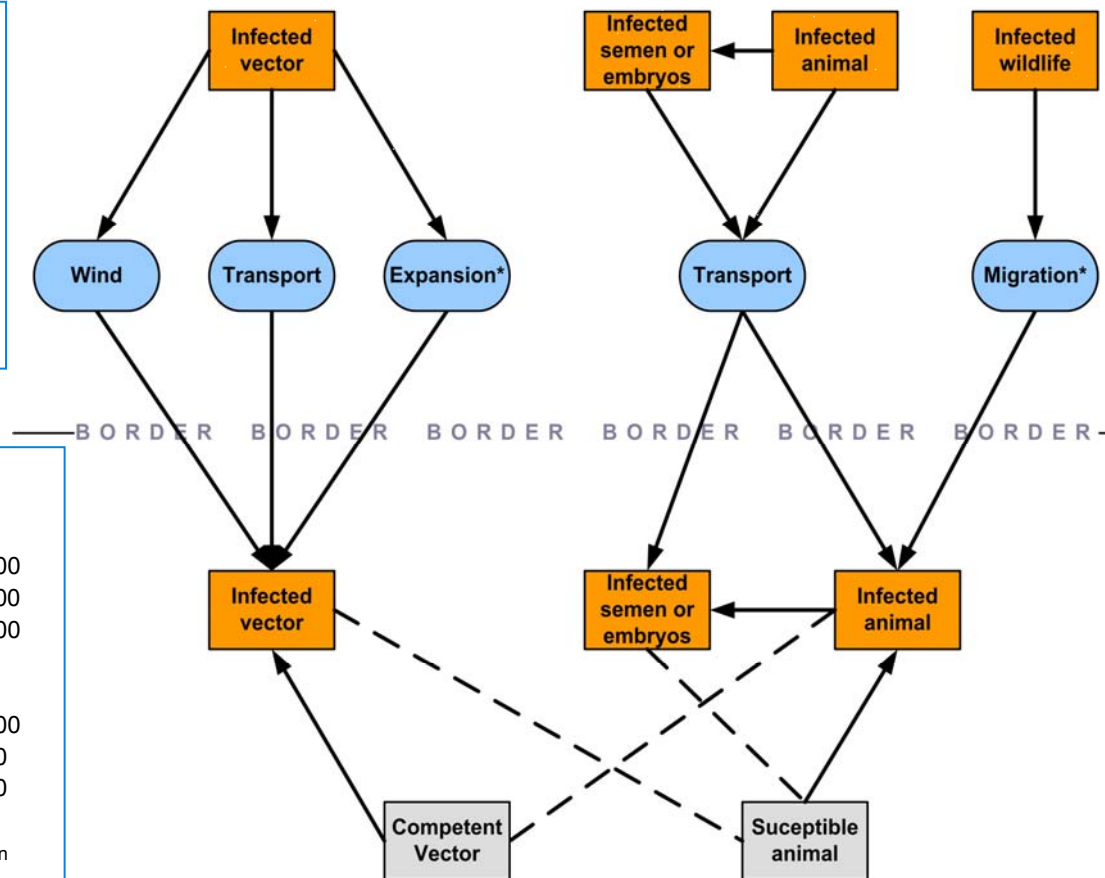
### Main susceptible animal populations in Finland

Bovine	930 000
Ovine & caprine	120 000
Reindeer	300 000

#### Wild ruminants\*\*

Moose	100 000
White-tailed deer	30 000
Roe deer	30 000
Finnish forest reindeer	3 000

\*\* Numbers indicative for size of population during the vector season



### Possible epidemiological, environmental and economical consequences

- An endemic situation in the southern part of Finland after exceptionally warm winters
- Severe environmental and economical consequences especially during an epidemic (partly due to a large population of wild and semi-domesticated ruminants)
- Sources of uncertainty:
  - The susceptibility to BTV, and morbidity and mortality to infection of reindeer and wild ruminants
  - The magnitude and effect of climate change

→ Event  
 --- Contact  
 \* Pathway is not possible in the present epidemiological situation



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