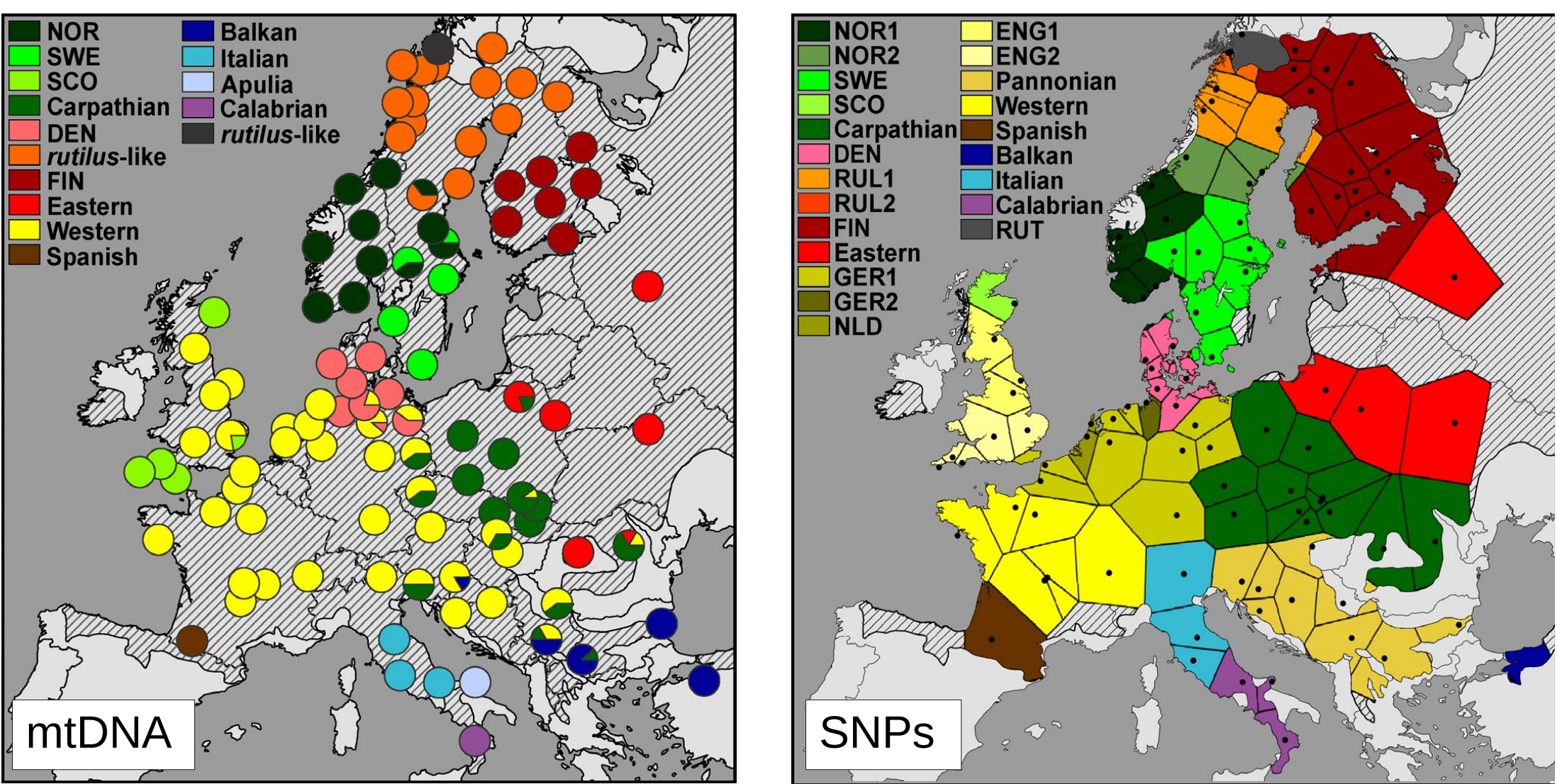


# HOST-PARASITE PHYLOGEOGRAPHY: A TALE OF GLACIATION AND LOCAL ADAPTATIONS

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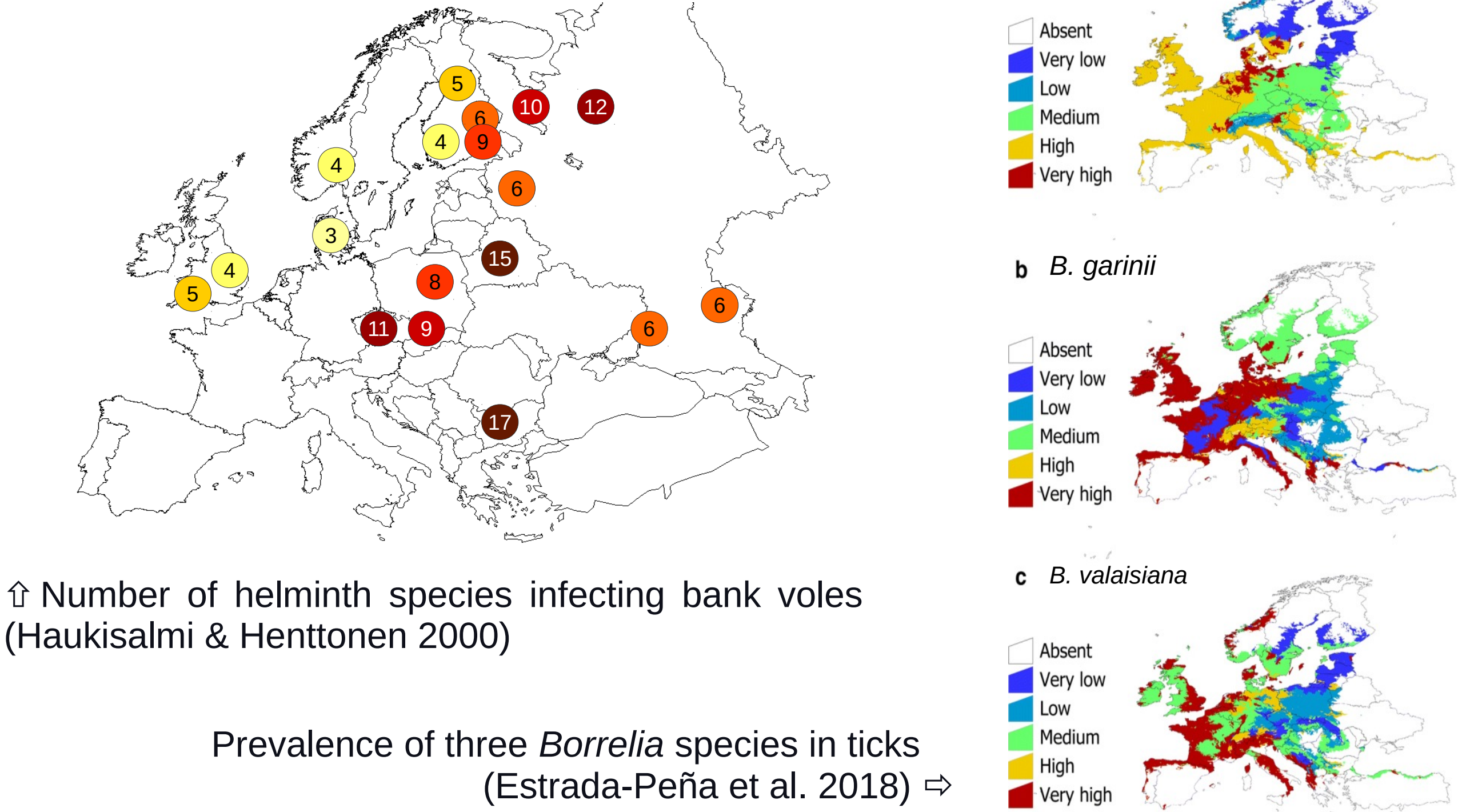


Host population structure  
reflects demography

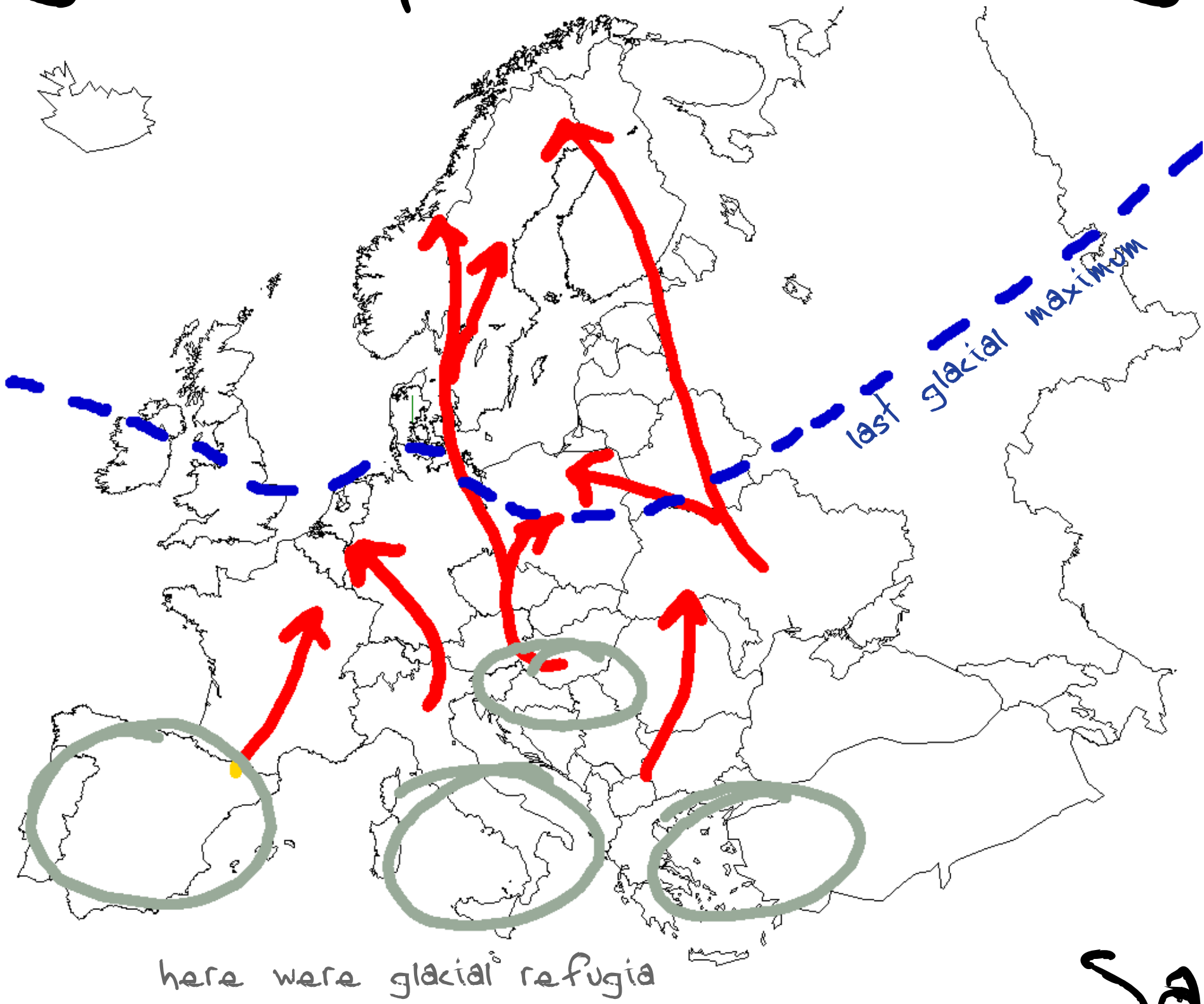


DNA clades of bank voles reveal post-glacial colonization and secondary contacts (Marková et al. 2019)

Pressure from parasites varies  
spatially → local adaptations



Migration patterns after glaciation

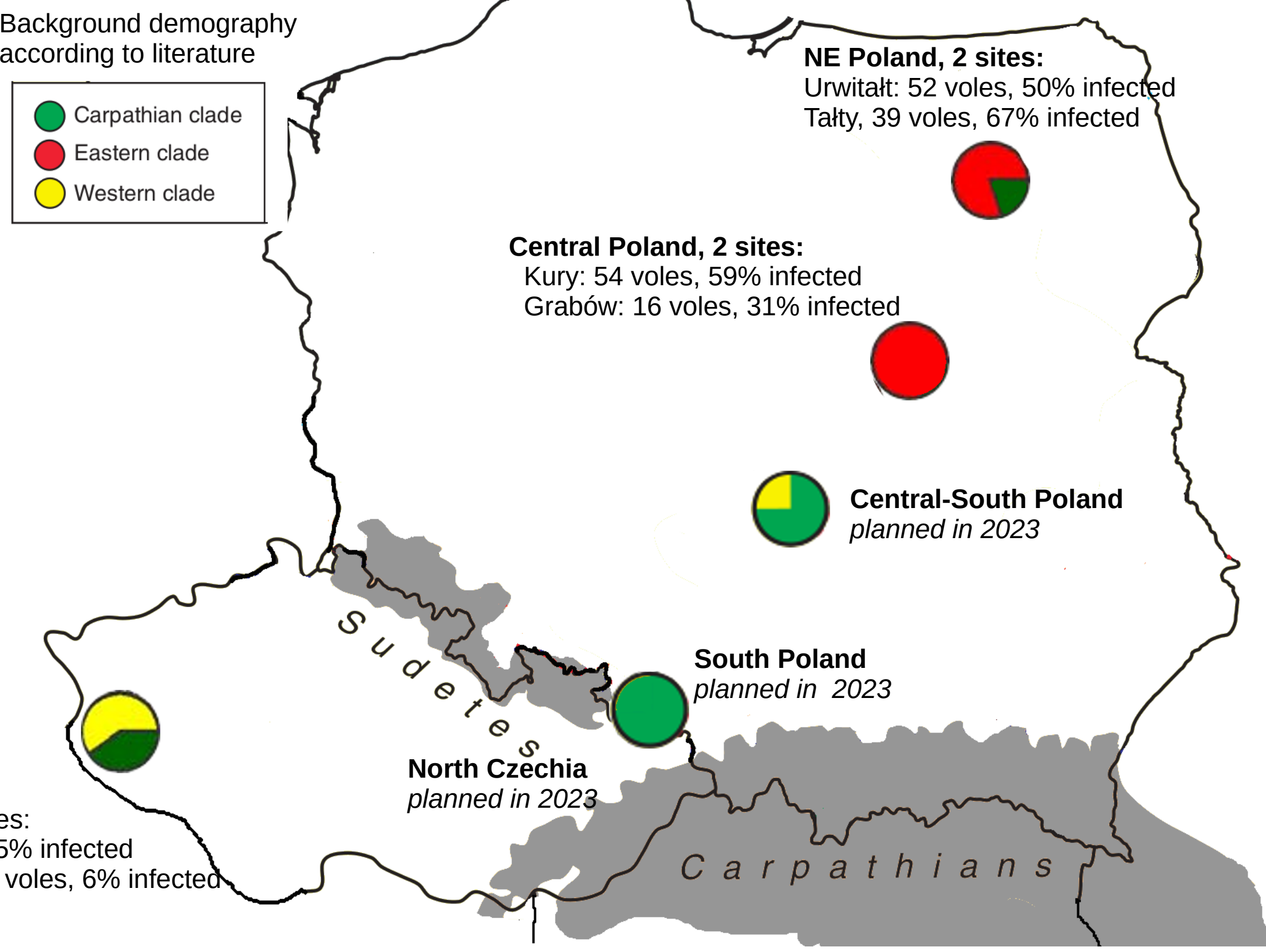


Questions

- How do parasite genomes vary in space?
- Does parasite population structure reflects that of their hosts?
- Are spatial genetic patterns in hosts and their parasites adaptive or do they simply result from demography?
- What are the relative roles of demography and selection in shaping variation in functional loci?

Sampling & methods

- RadSeq of voles and nematodes across NE-SW gradient
- 189 voles so far, ~150 to go.



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