

Natural history collections and FinBIF

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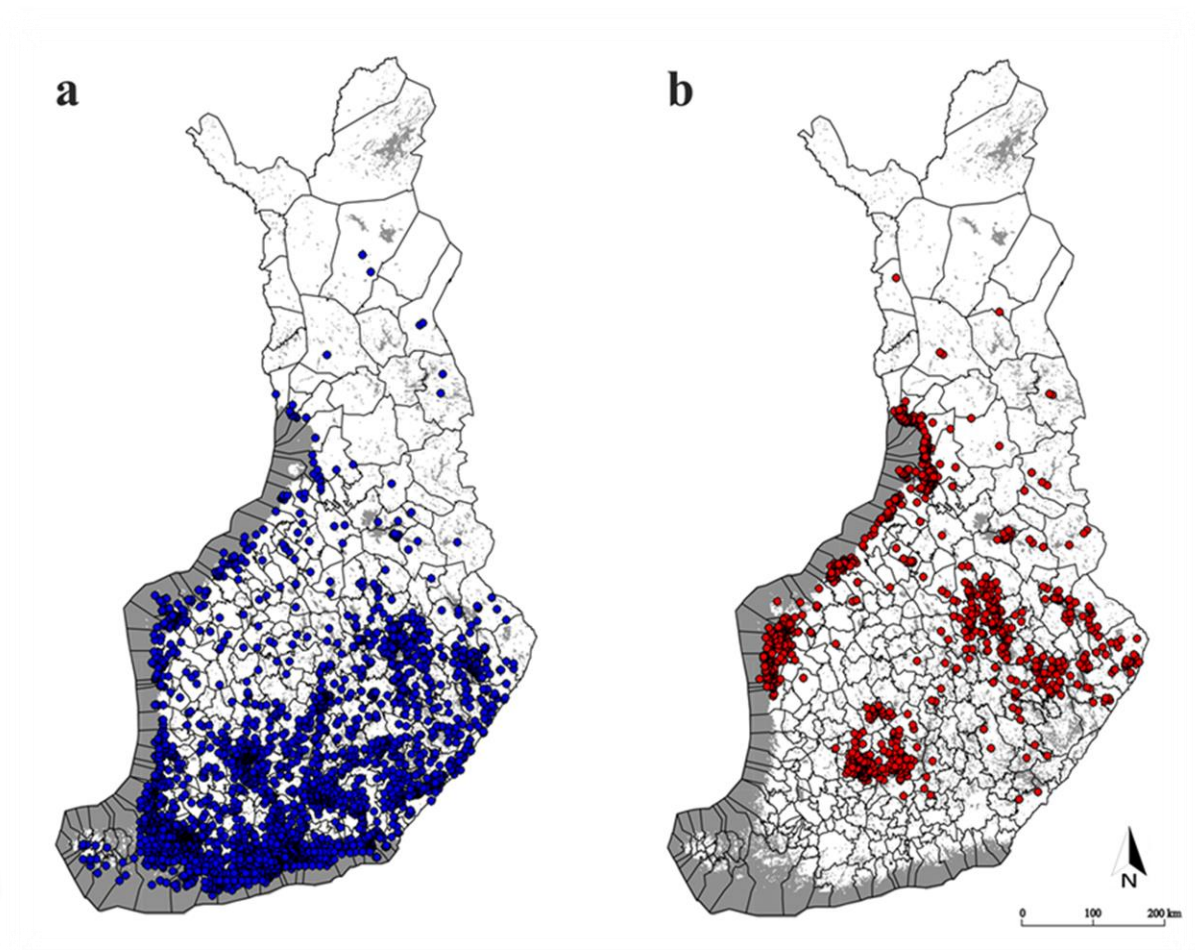


Natural history collections as sources of knowledge

- 2-3 billion specimens are housed in natural history collections globally
 - Taxonomy, systematics, biogeography, evolutionary biology
 - Distribution and status of vectors and invasive species, conservation biology, biotic responses to climatic change
- Only part of the collections are digitally databased and available online → collections have been significantly underutilized

Distribution of Finnish *Ixodes*-ticks

Laaksonen et al. 2017

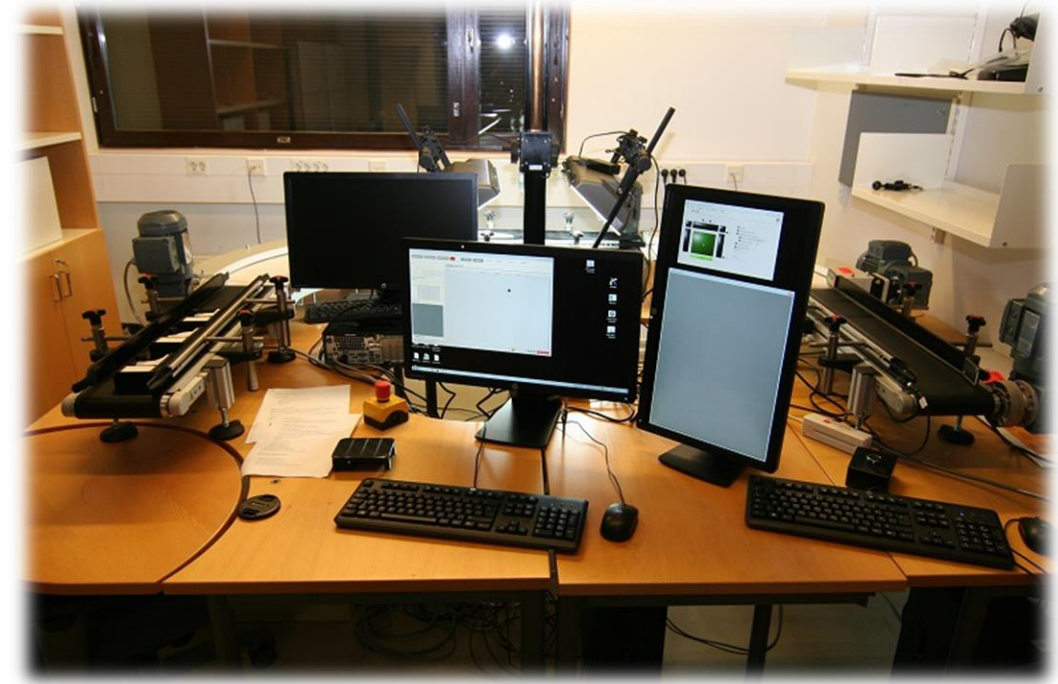


The role of FinBLF in bringing collections available online

- Finnish collections
 - Luomus: c. 13.5 million specimens
 - University of Turku: c. 5 million specimens
 - University of Oulu: c. 2.6 million specimens
 - Smaller collections in other universities, private collections, botanical gardens, observational data etc.
- Kotka (collection management system for Finnish natural history collections): > 1 million samples
- Digital images of samples: 332029 by Digitalium, 232388 by Luomus, several thousand type specimens (precision digitization) by Luomus and Turku

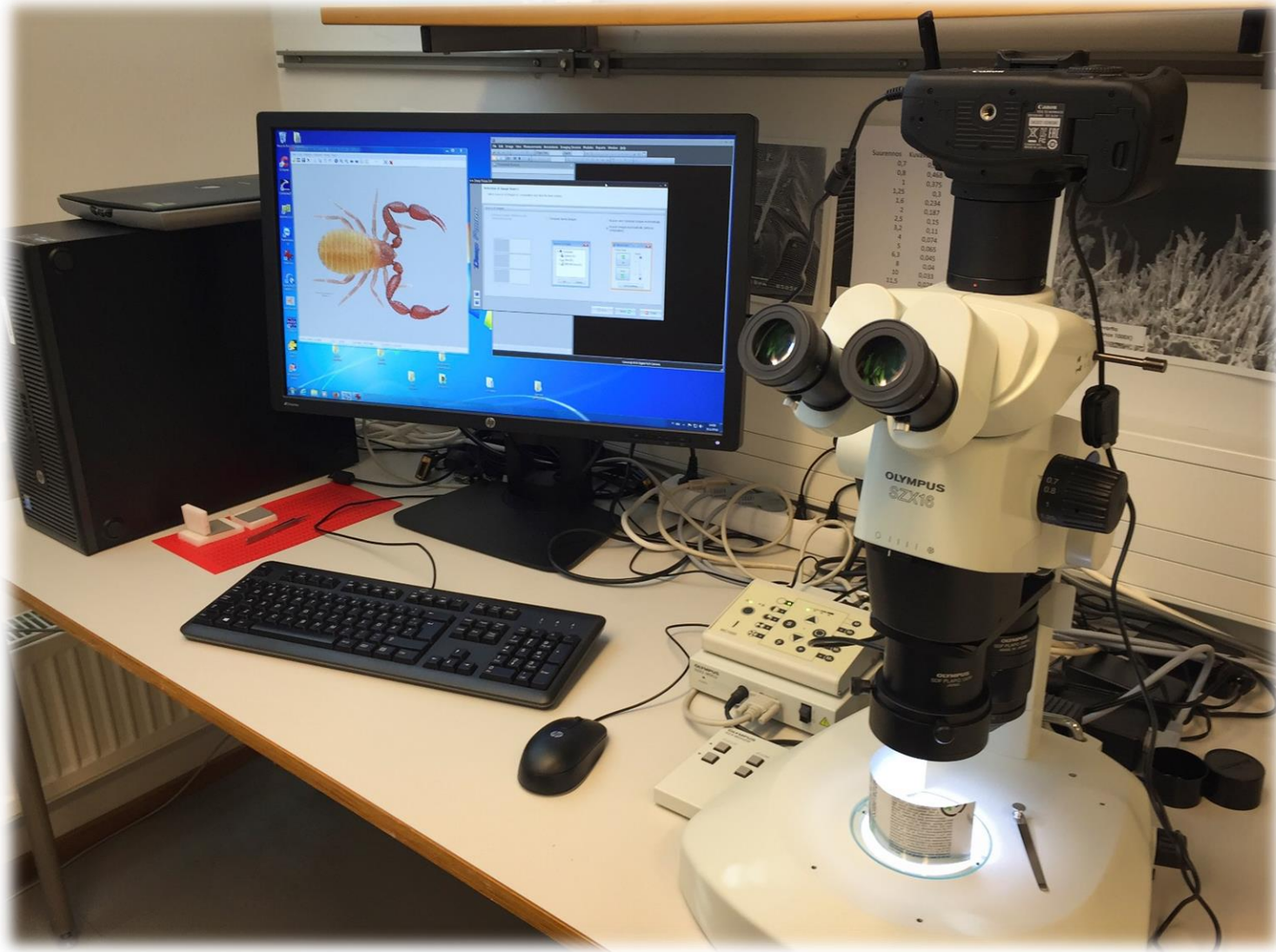
Mass digitisation of Finnish natural history collections

Mass digitisation of samples in Digitalarium and Luomus

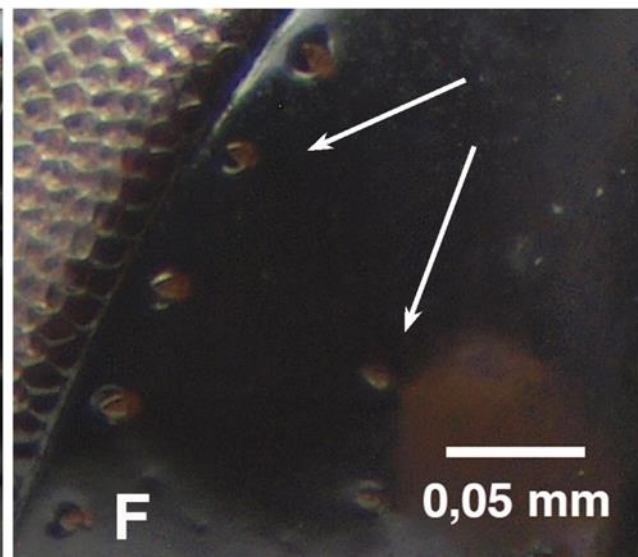
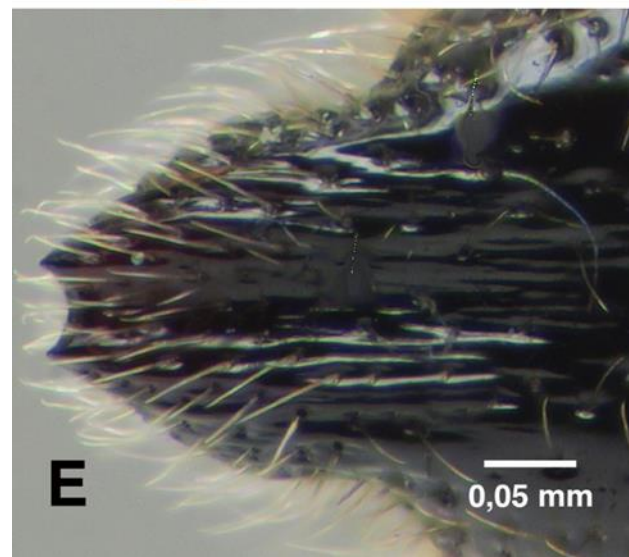


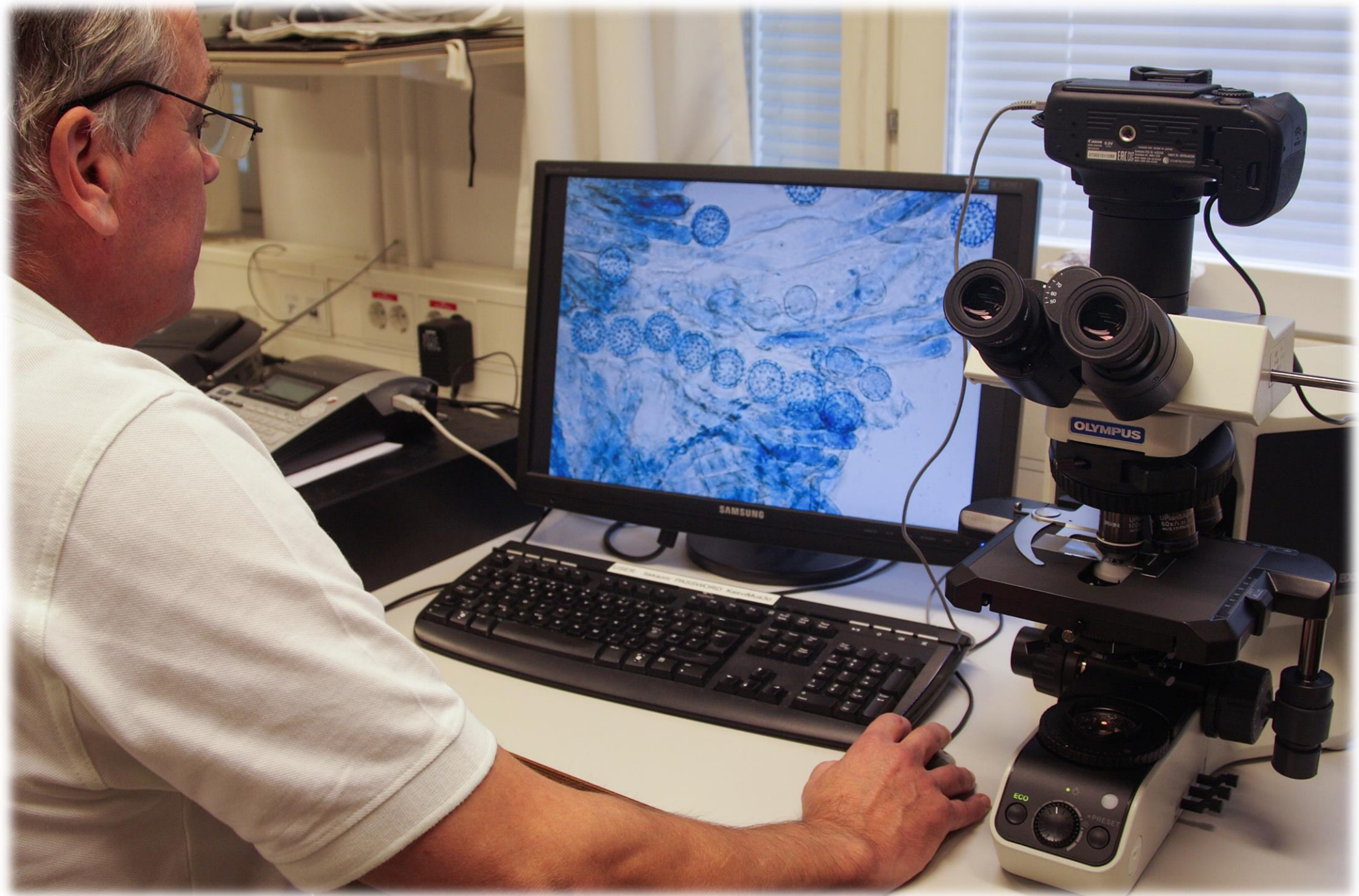
Precision digitisation of Finnish natural history collections

Precision digitisation of samples in Luomus and Turku











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Thank you!

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