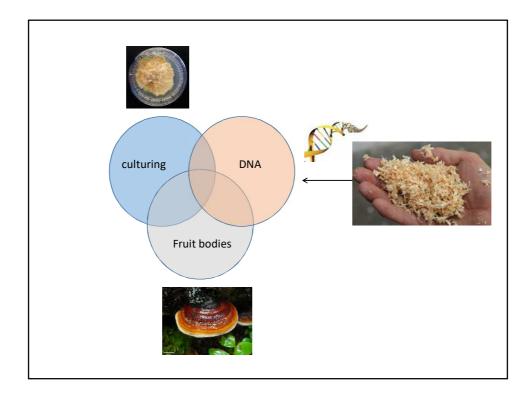


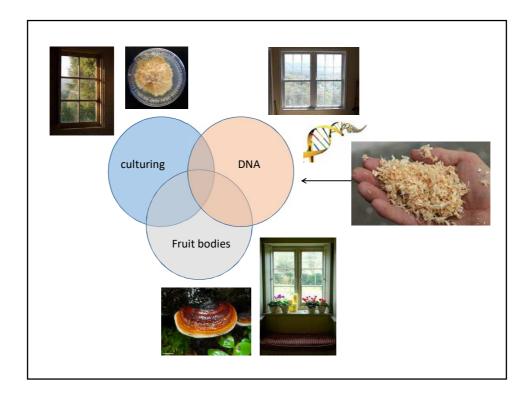
Fungal diversity

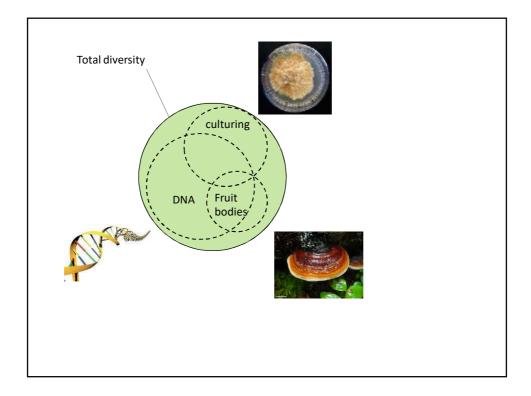
- Only ~100.000 described
- Between 1.5 and 7 million species have been estimated
- But, basically we have no clue..
- .. but if more or less all plants and animals harbour specific fungi, the diversity could be immense!

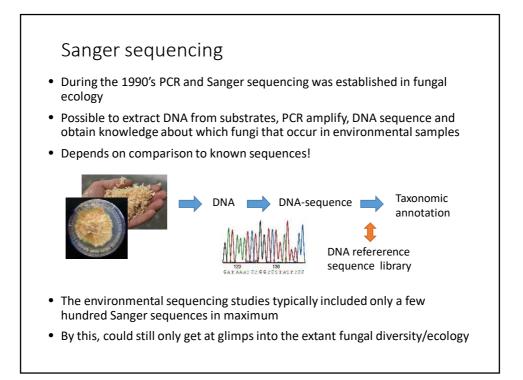


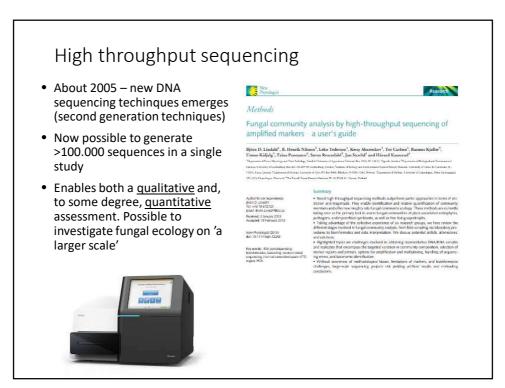


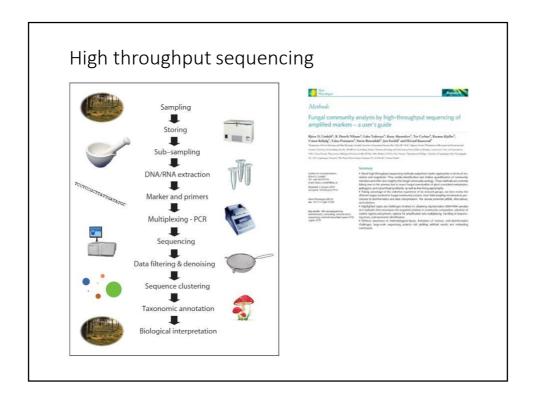


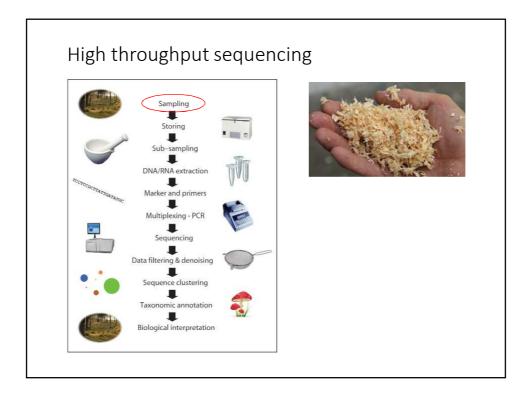


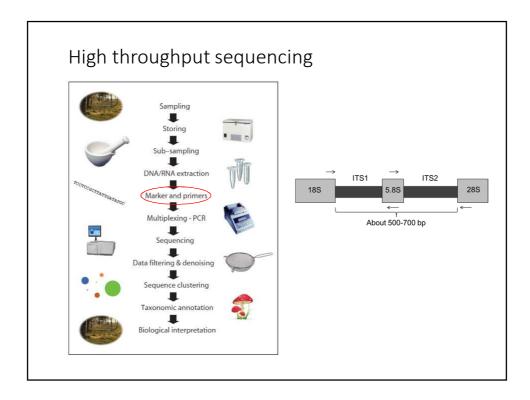


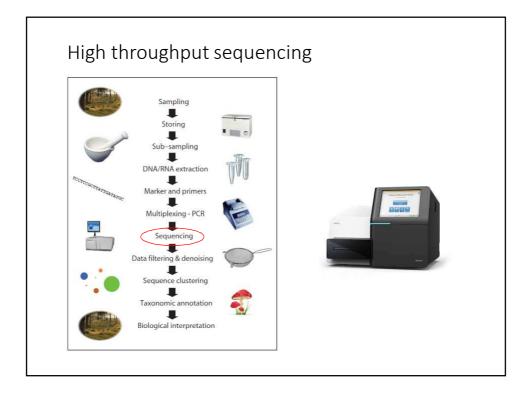


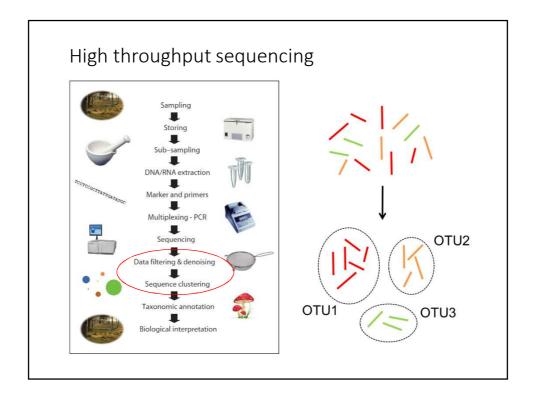


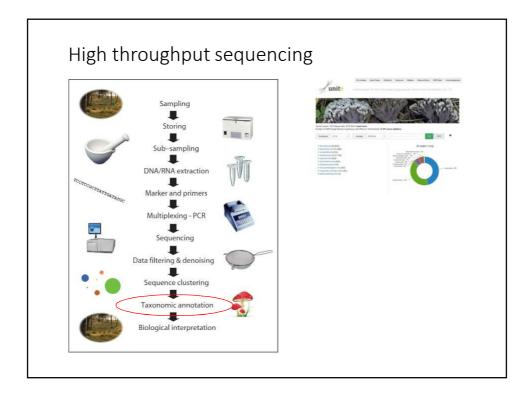


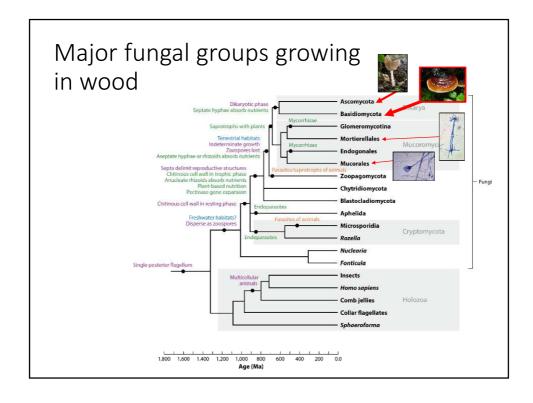


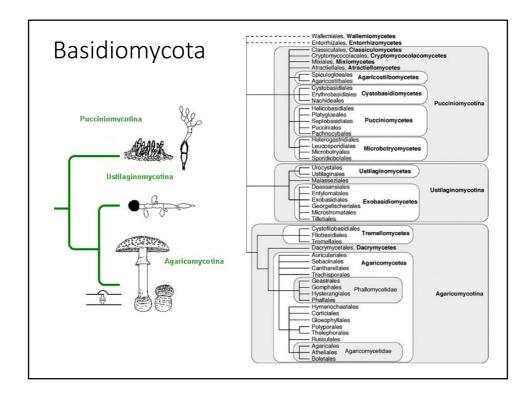


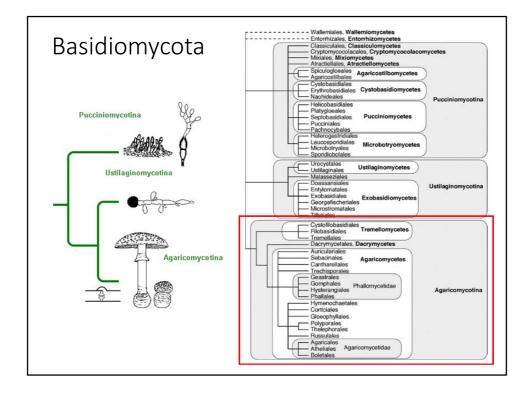


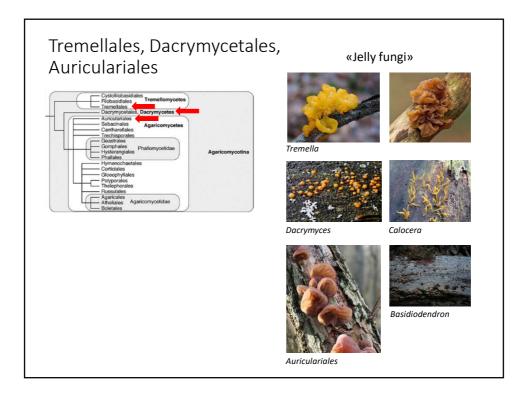


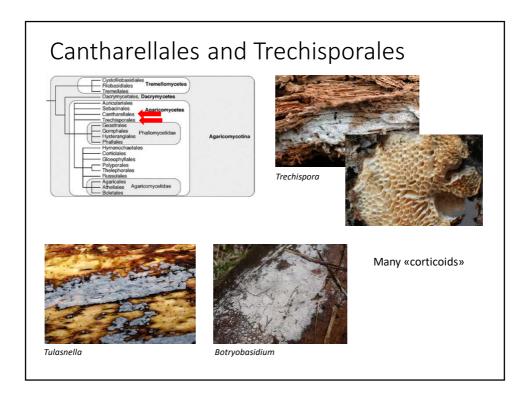


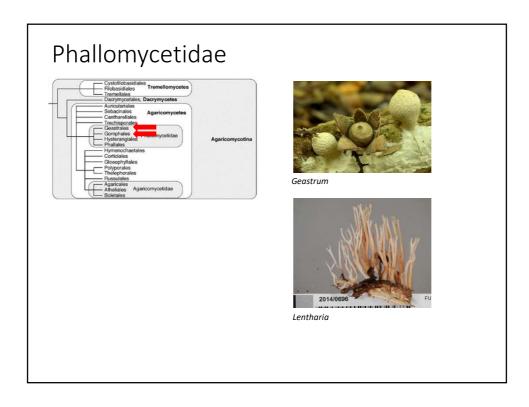


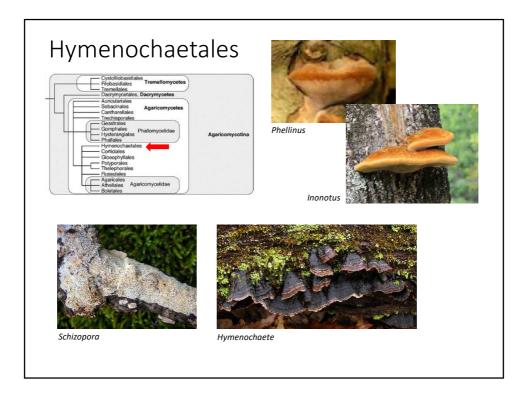


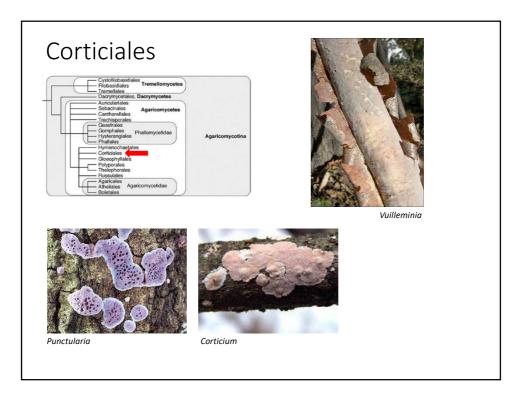


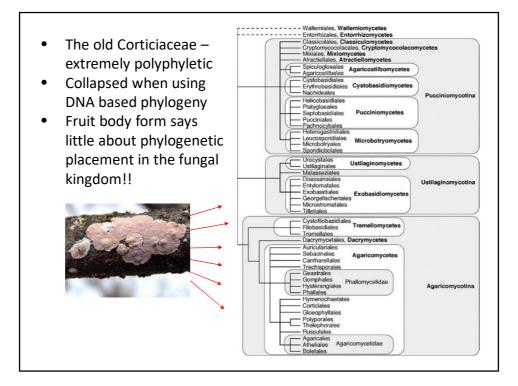


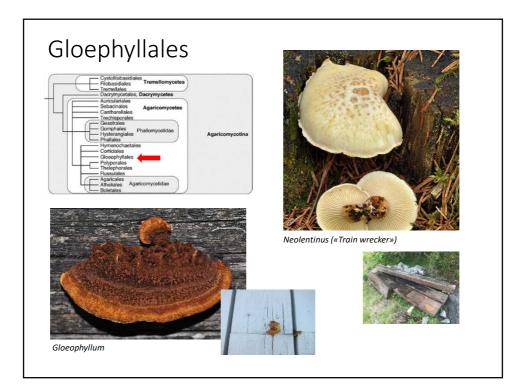


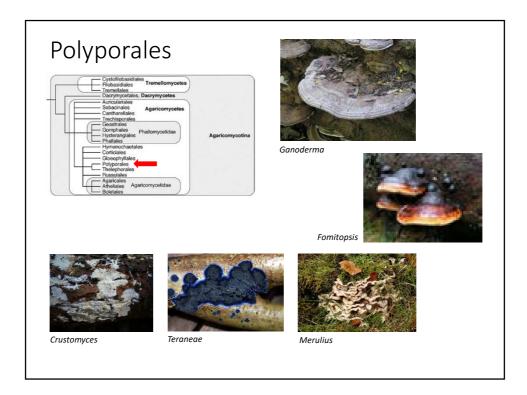


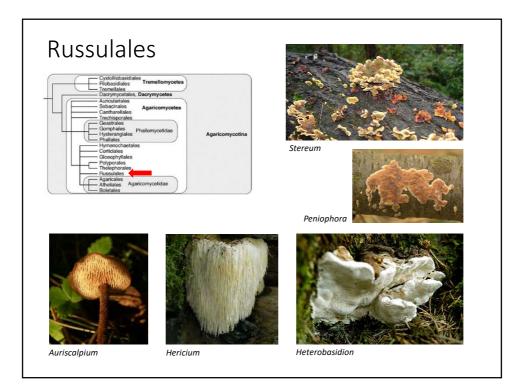


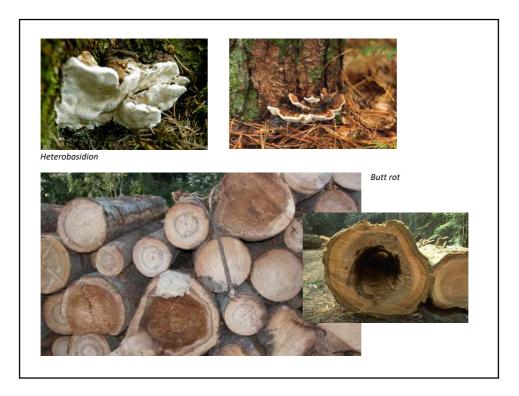


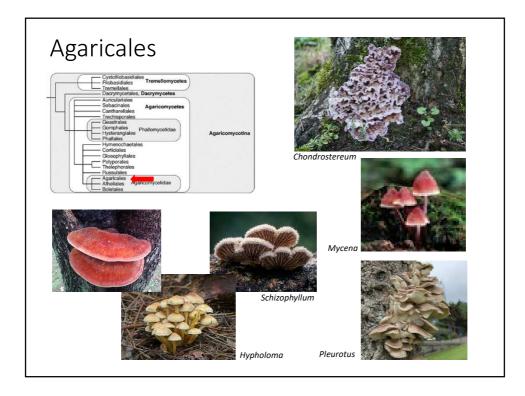


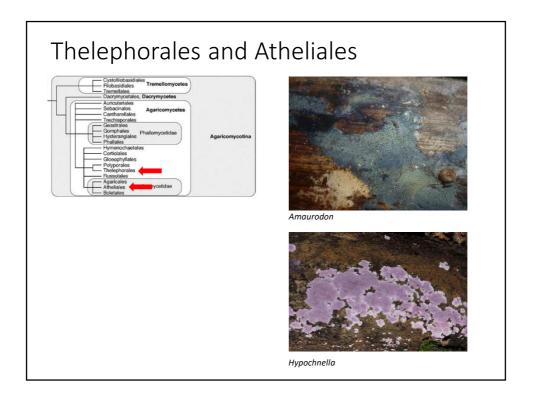


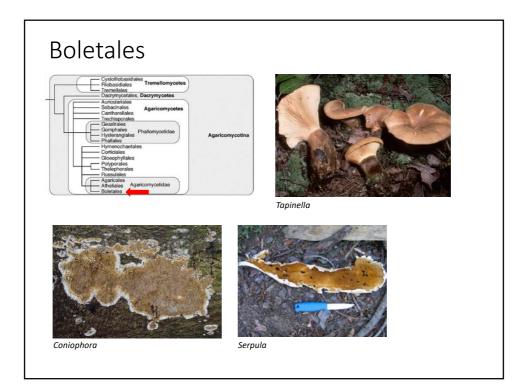






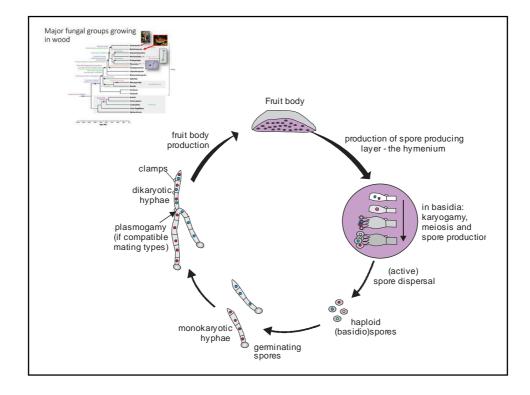


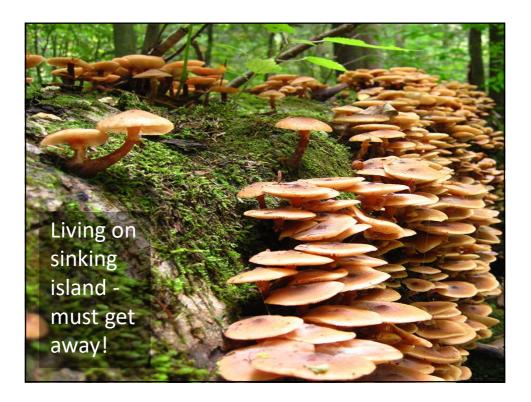




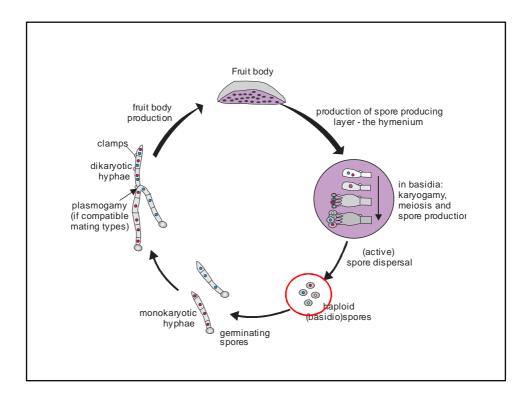


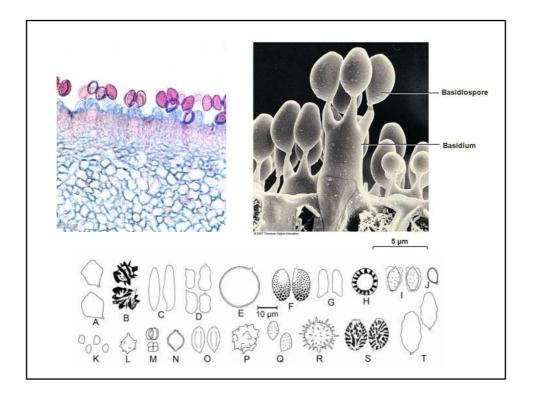


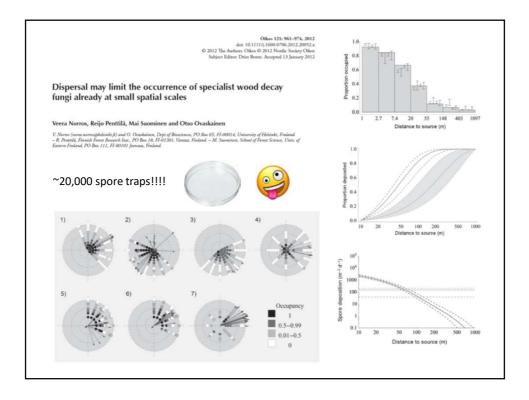


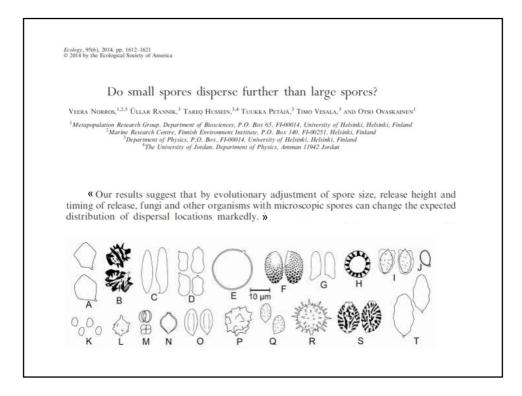


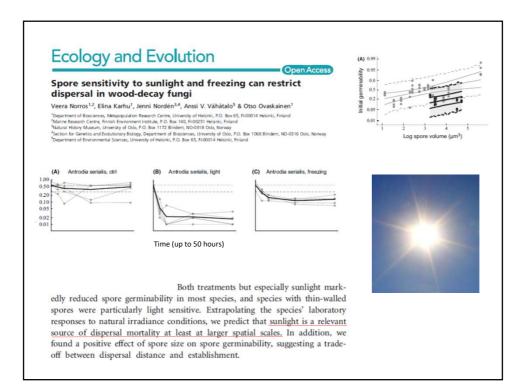


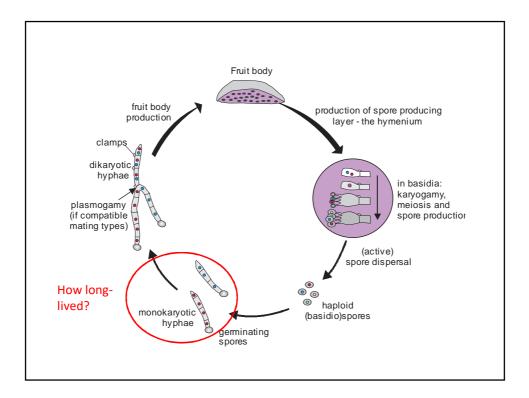


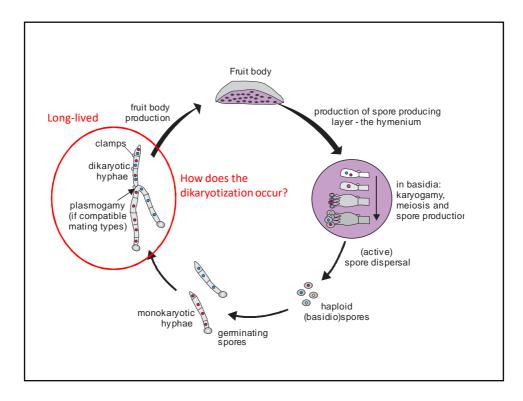




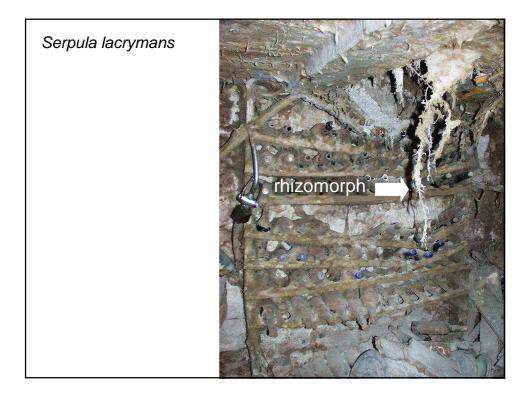






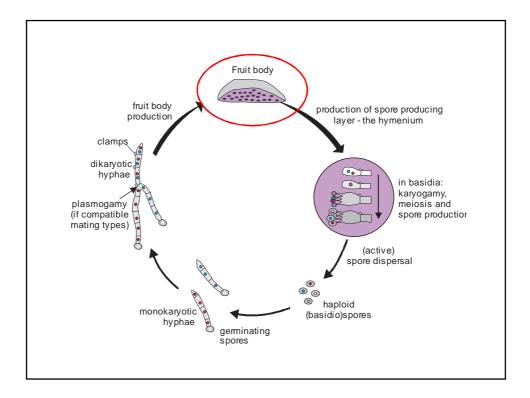


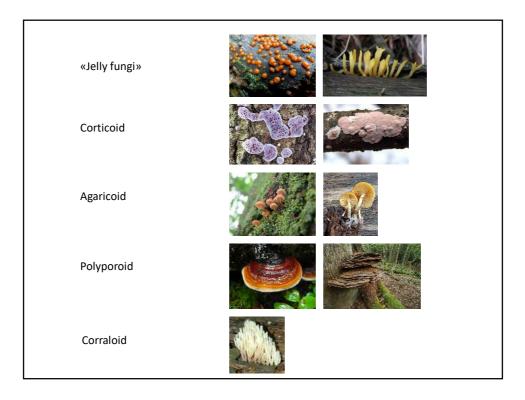


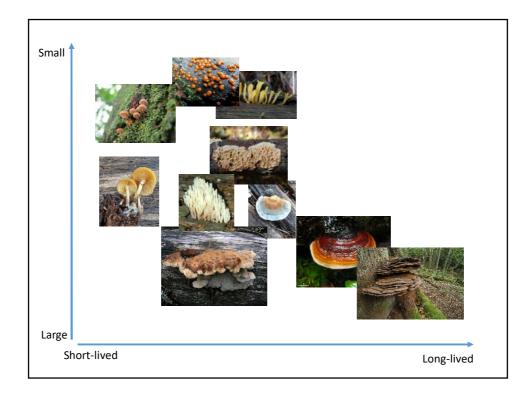


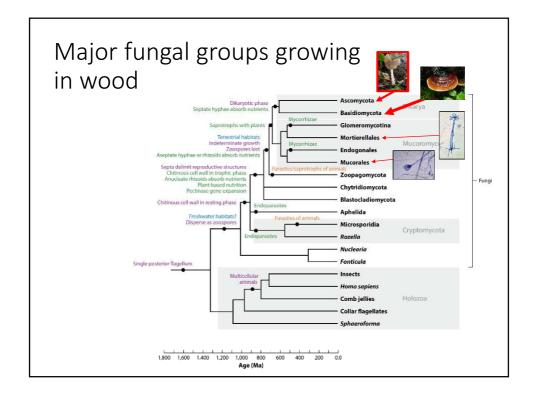


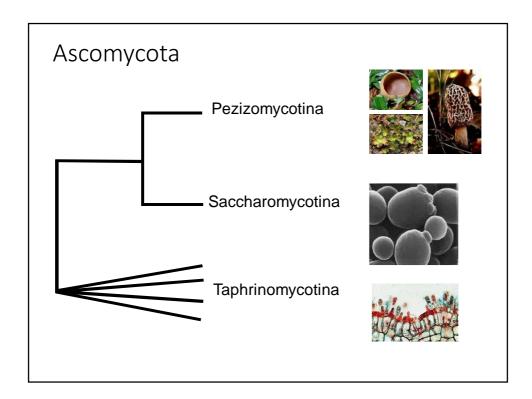


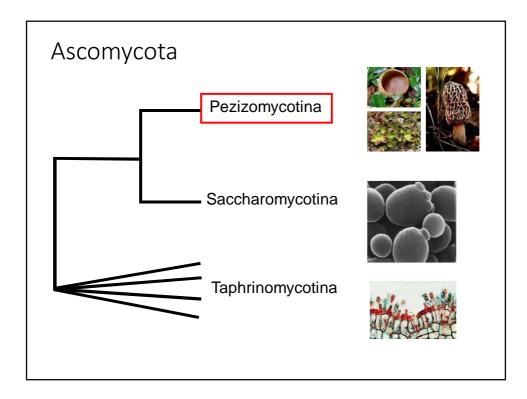


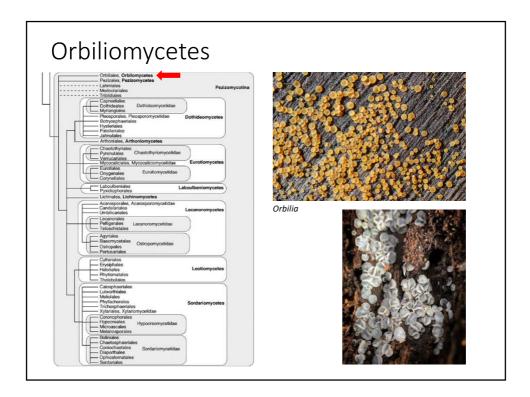


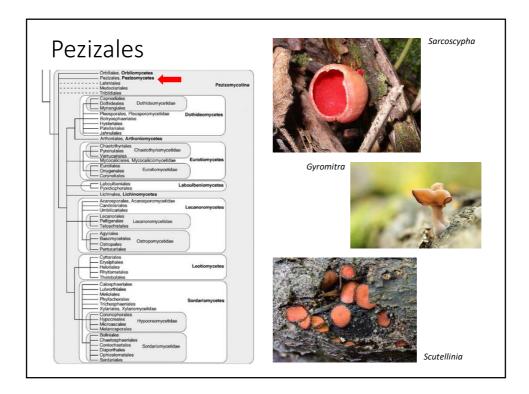


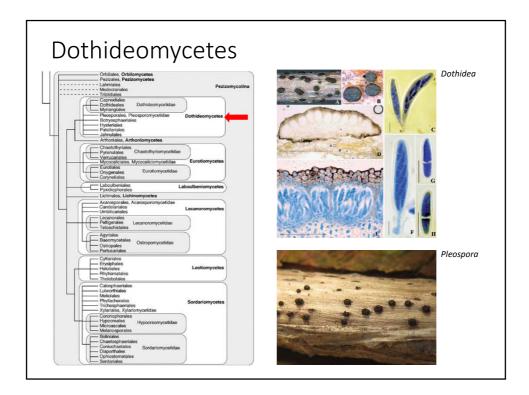


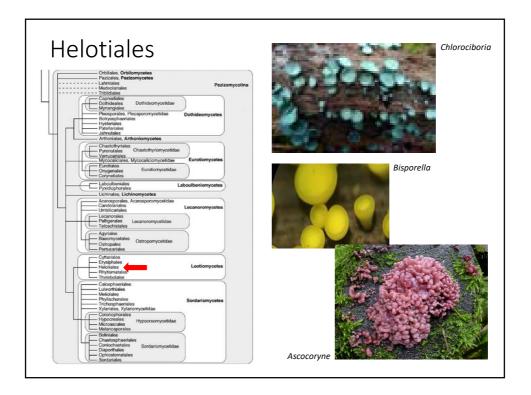


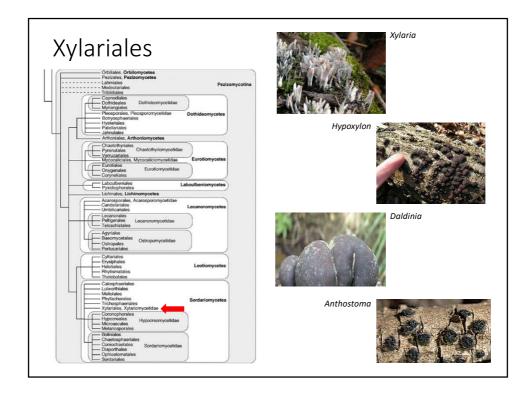


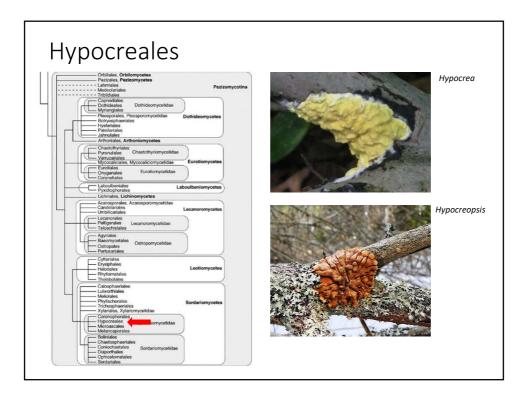


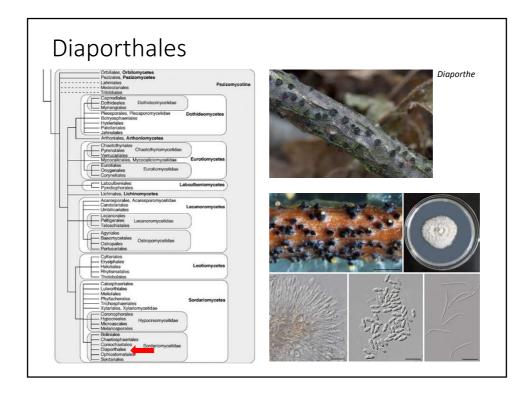




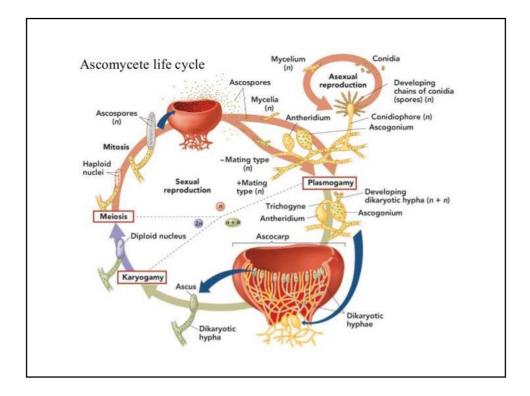


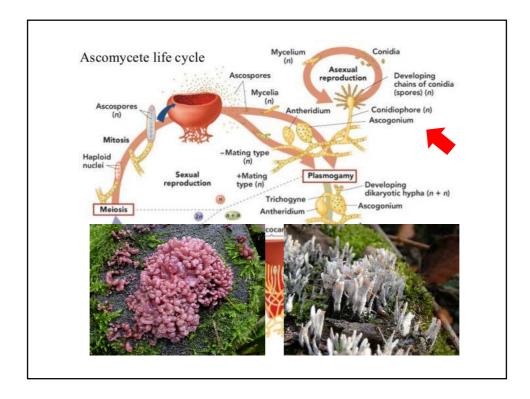


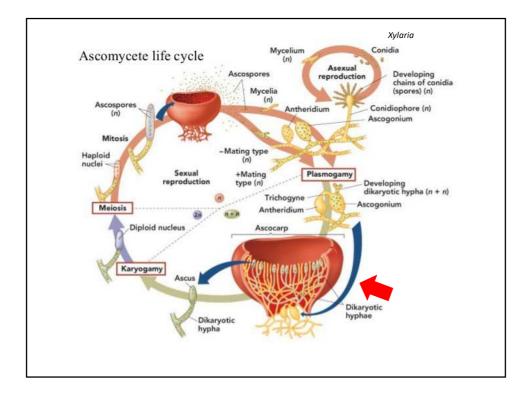


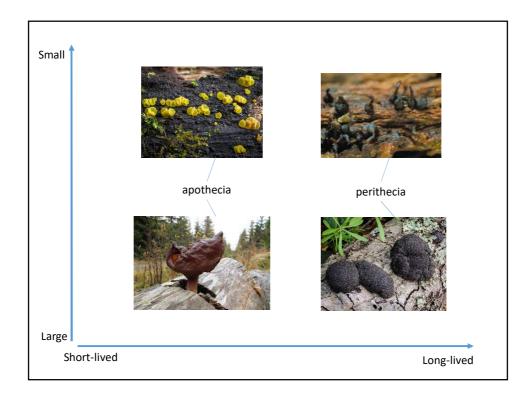


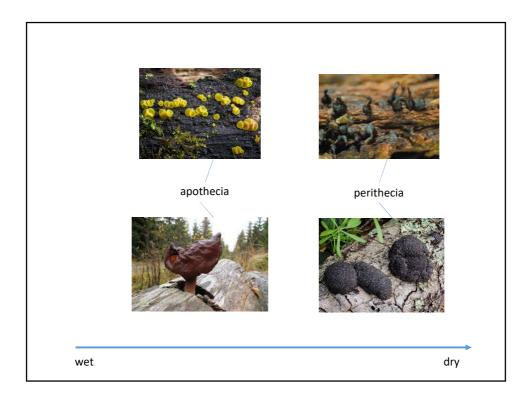


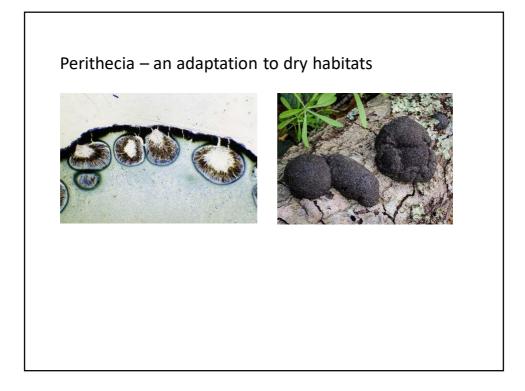


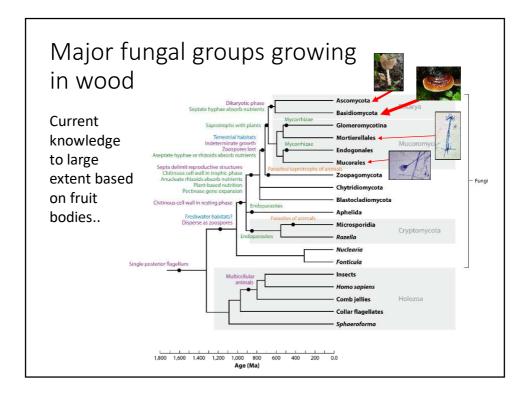


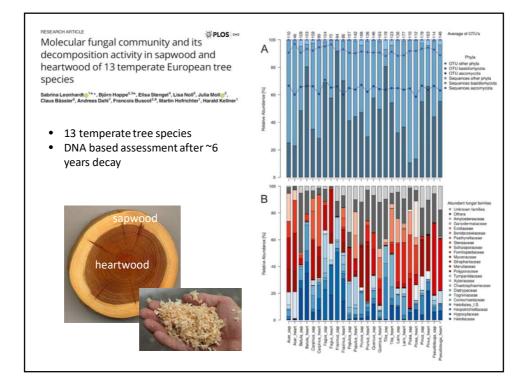


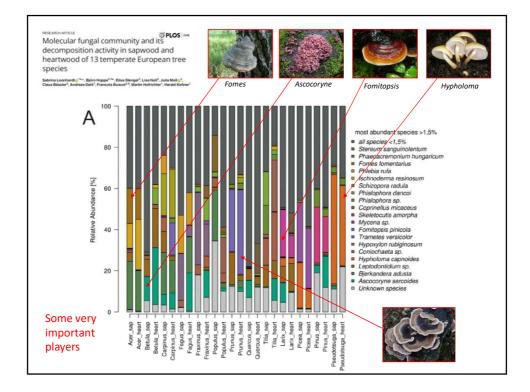


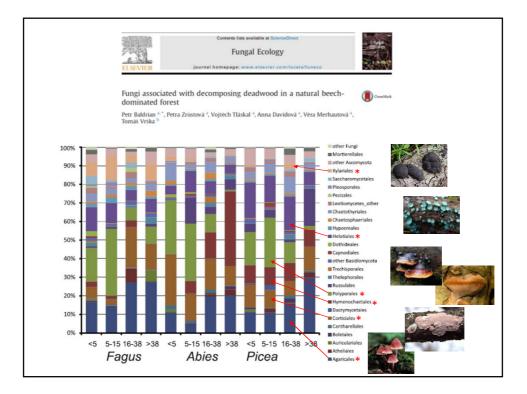


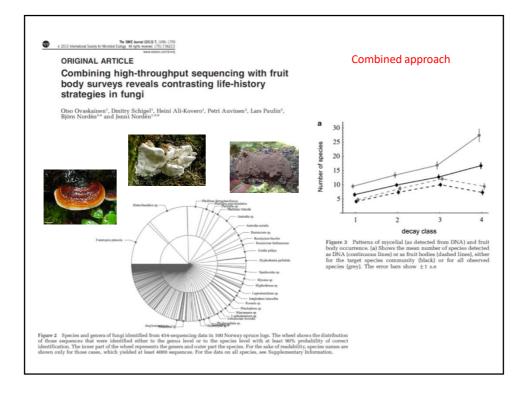


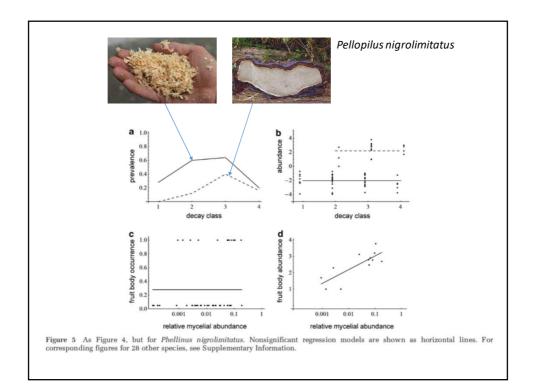


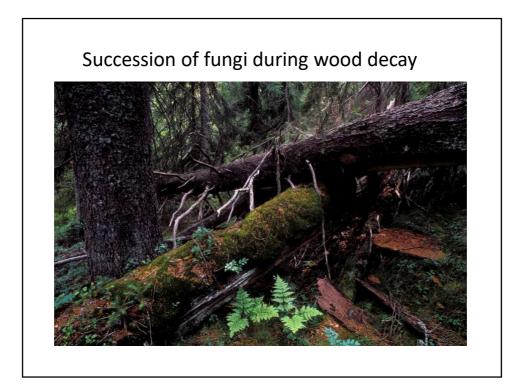


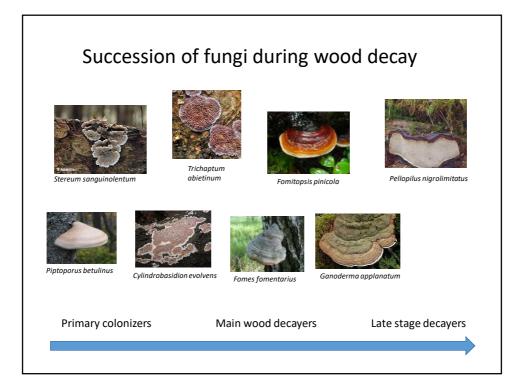


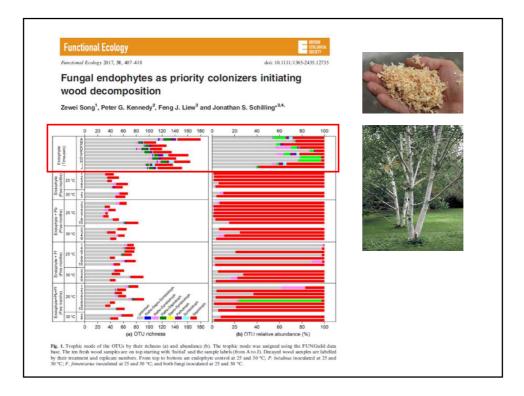


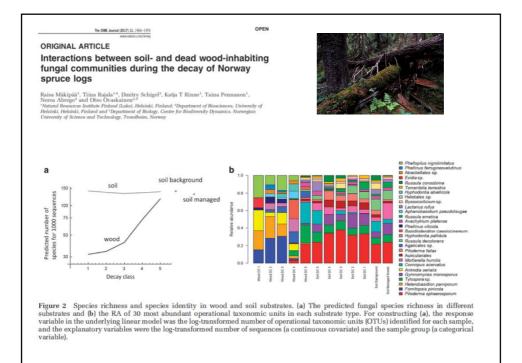






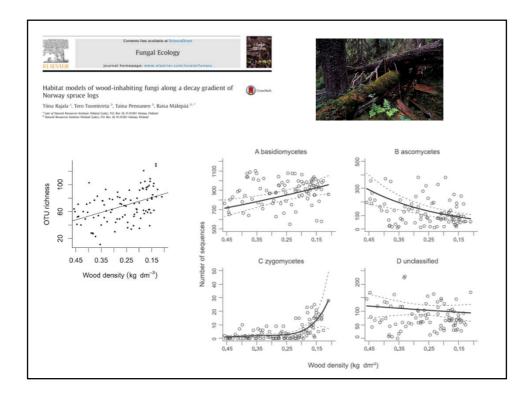


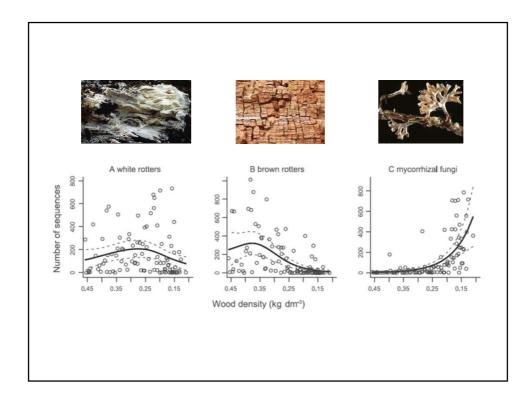


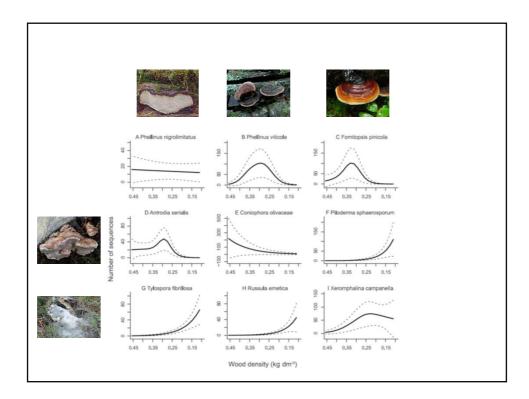


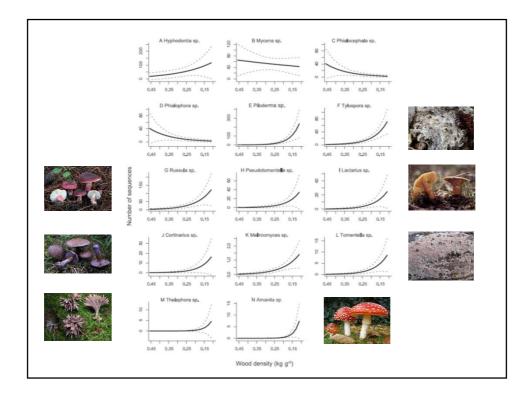
The ISME Journal (2017) 11, 1964-1574 www.natare.com/locus	OPEN	
ORIGINAL ARTICLE		
Interactions between soil- and c fungal communities during the spruce logs		The second second
kaisa Mäkipää ¹ , Tiina Rajala ^{1,4} , Dmitry Schigel ¹ , Katja verea Abrego ¹ and Otso Qvaskainen ¹⁵ Avatual Resource nutuue Finiota (Luke), Heininki, Finland, 'U Iedinki, Helsinki, Finland and 'Department of Biology, Centre fi Iniversity of Science and Technology, Trandheim, Norway	Department of Biosciences, University of	
Table 1 Fungal species found exclusively	in soil, exclusively in dead wood, and in both s	ubstrate types
Unique to soil (793)	Both in soil and wood (608)	Unique to wood (589)
Unique to soil (793) Piloderma sp. (OTU 00094) Russula sp. (OTU 00048) Russula vesca (OTU 00178) Tretomyces Intescens OTU 00211) Amanita sp. (OTU 00174) Pseudotomentella sp. (OTU 00189) Cortinarius caperatus (OTU 00188) Rhodocol/bia sp. (OTU 00128) Cortinarius rubellus (OTU 00212) Trechisporales sp. (OTU 00213) Trechingorales sp. (OTU 00308) Pseudotomentella humicola (OTU 00308) Cortinarius sp. (OTU 00319) Piloderma sp. (OTU 00310)	Both in soil and wood (608) Piloderma sphaerosporum (OTU 00310) Heterobasidium parviporum (OTU 00003) Tylospora sp. (OTU 00005) Gymnomyces monosporous (OTU 00011) Connopus acervatus (OTU 00009) Auriculariales sp. (OTU 00029) Piloderma fallax (OTU 00029) Piloderma fallax (OTU 00024) Agaricales sp. (OTU 00010) Russula decolorans (OTU 00025) Hyphodontia pallidula (OTU 00012) Basidiodendron caesiocinereum (OTU 00012) Avachytrium platense (OTU 00015) Russula emetical (OTU 00038)	Unique to wood (589) Fomitopsis pinicola (OTU 00001) Antrodia serialis (OTU 00004) Phellopilus nigrolimitatus (OTU 00022) Phellinus viticola (OTU 00014) Phellopilus nigrolimitatus (OTU 00029) Exidia sp. (OTU 00037) Atractiellales sp. (OTU 00037) Atractiellales sp. (OTU 00037) Basidioascus (OTU 00037) Basidioascus (OTU 00039) Basidioascus (OTU 00039) Basidioascus (OTU 00039) Seudeurotiaceae sp. (OTU 00044) Sistotrema brinkmannii (OTU 00055)

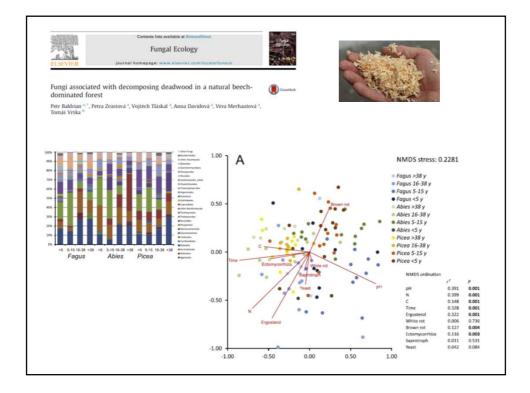
49

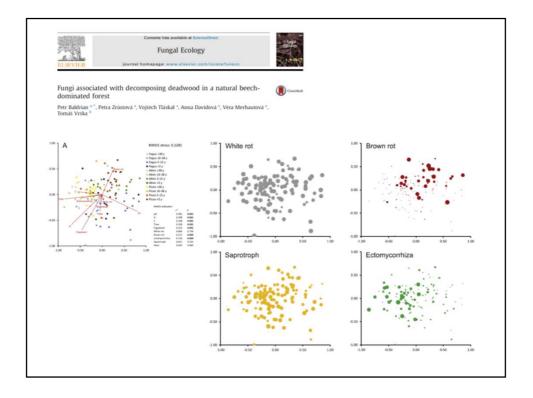


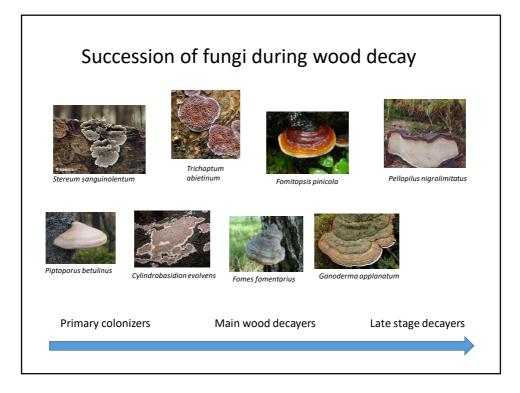


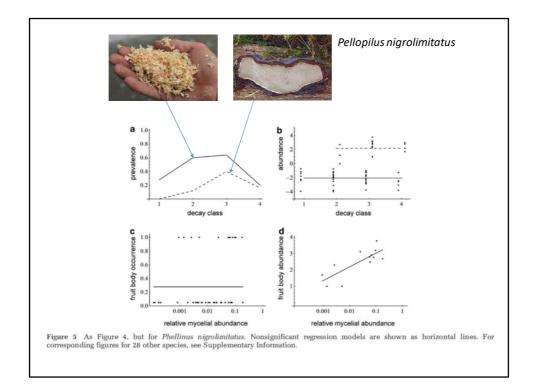




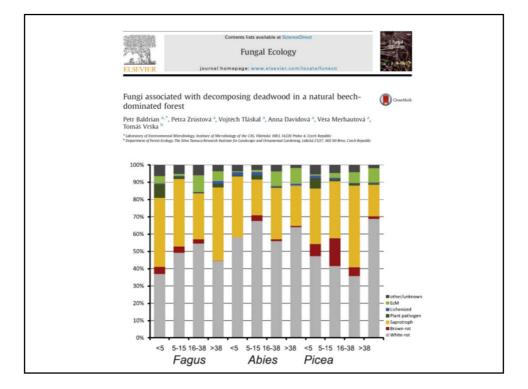


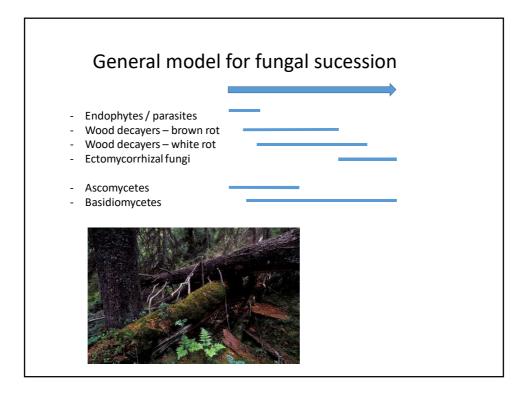


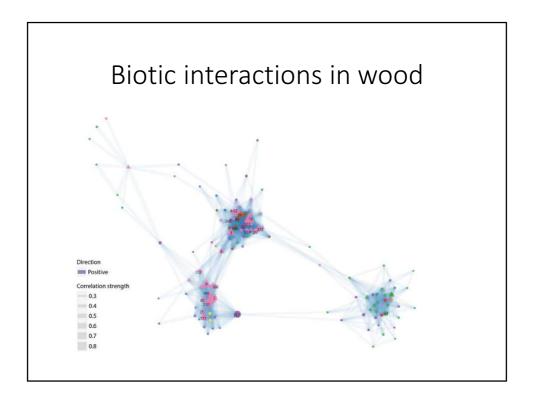


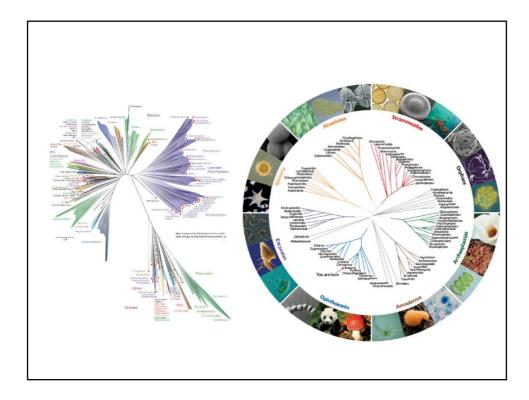


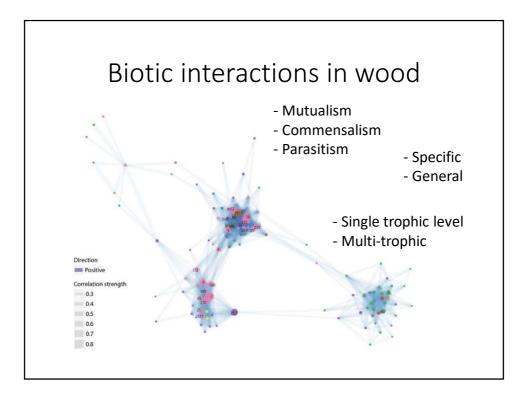


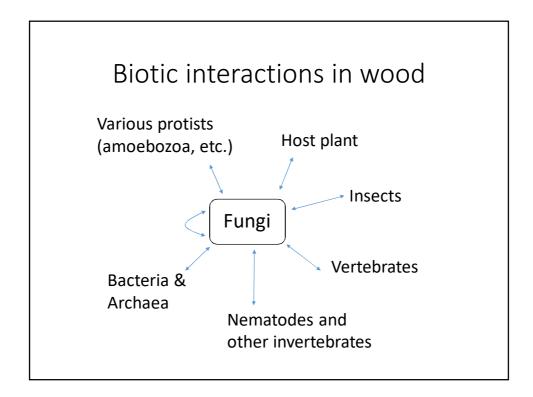


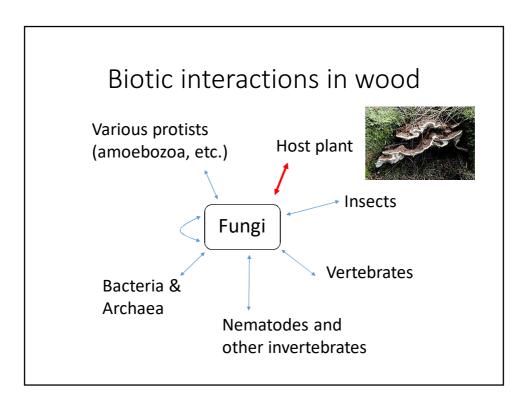


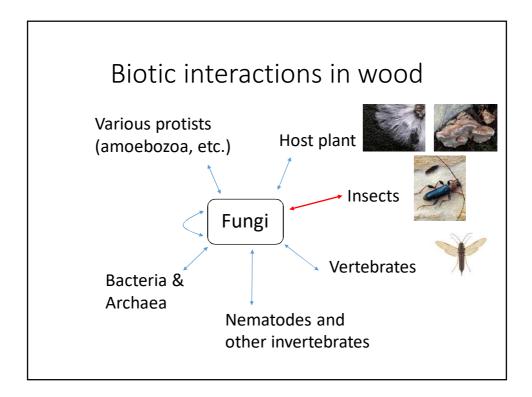


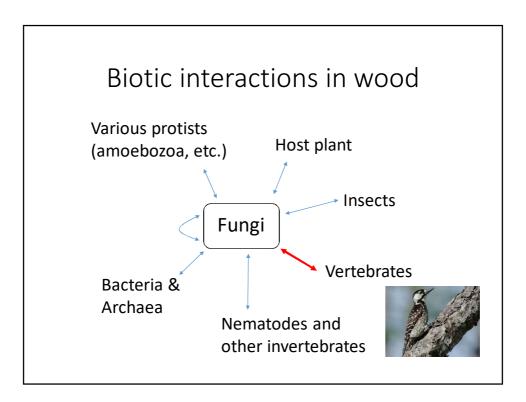


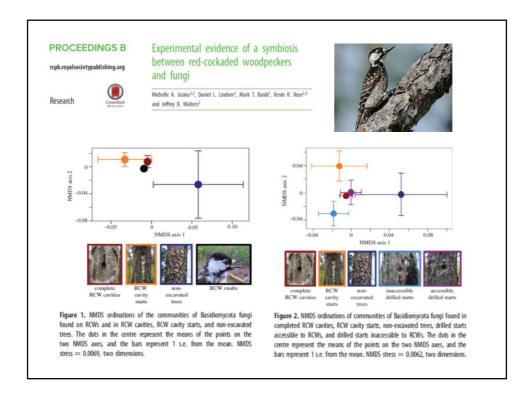


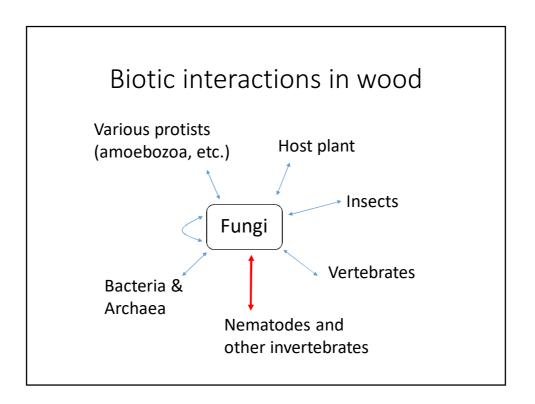


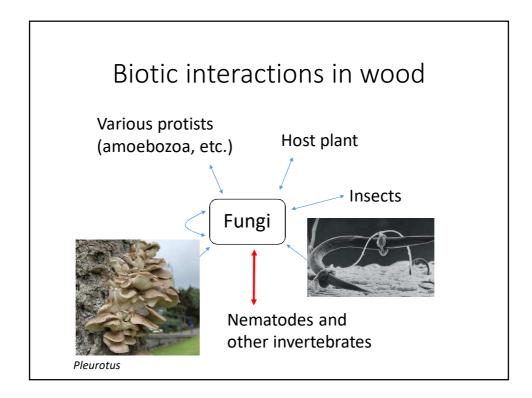


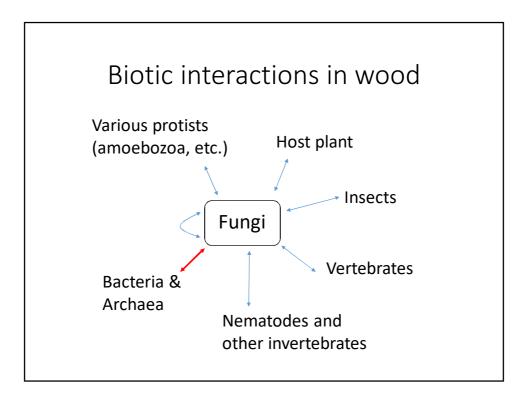


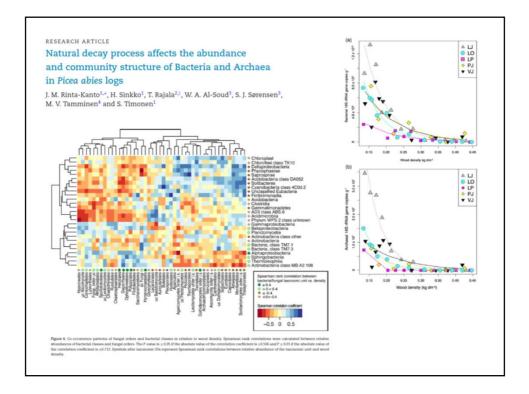


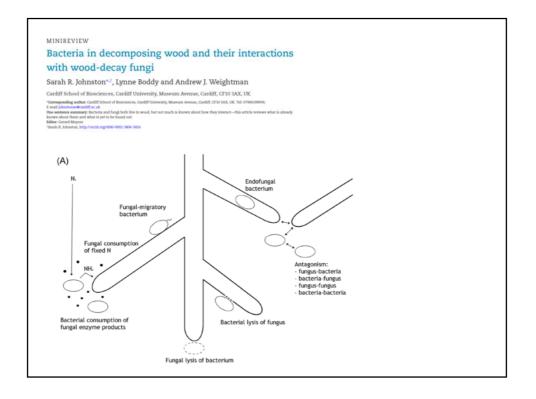


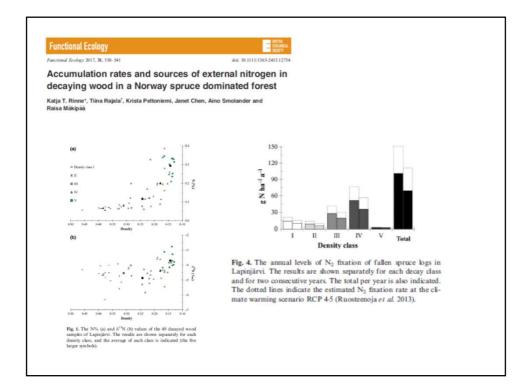


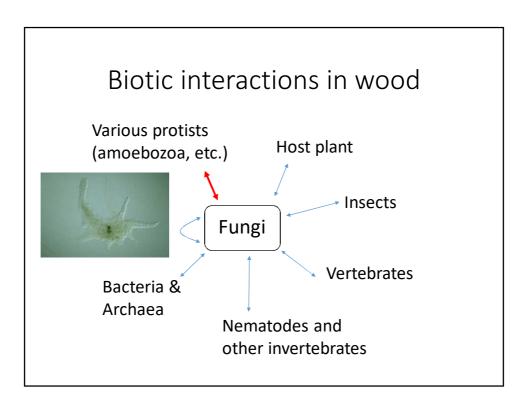


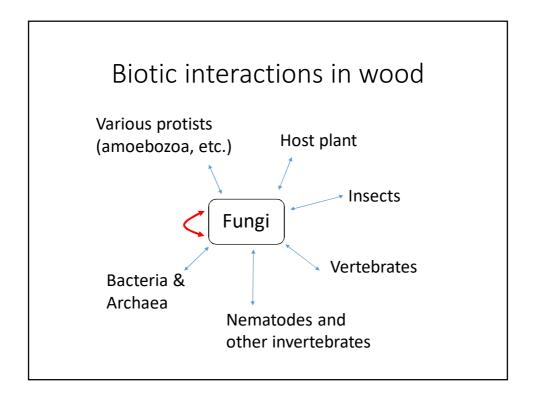














Many unknown biotic interactions between fungi in wood



Fomitopsis pinicola



Pycnoporellus fulgens

