

Restoring threatened wood-inhabiting fungi in Finland

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**A joint project of Natural Resources Institute Finland (LUKE)
and University Of Helsinki**

Current conservation tools are not effective

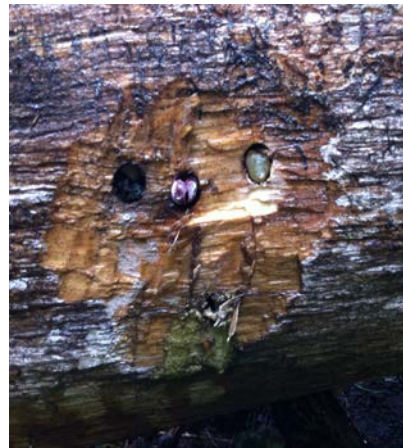


- In Finland over 40% of the polypore species are red-listed.
- In southern Finland quite a many polypore species have even gone extinct.
- The current conservation area network and restoration activities are not effective enough to protect these species.

WE NEED COMPLEMENTARY SOLUTIONS !

Reintroduction of threatened fungal species via inoculation¹

- We have developed and tested a method to re-establish threatened polypore species in forests.



- Pioneering, rapid and cheap way of restoring and preserving biodiversity.

¹Abrego et al. 2016. *Biological Conservation*

Protecting forest biodiversity in a new highly cost-efficient way

- **Cost efficient method:** It is possible to produce massive amounts of inoculation units with low cost.
- **Increasing biodiversity value of managed and protected forests:** We provide a tool that forest owners, forestry companies and public authorities can use to increase the biodiversity values and services in forests.
- **Partners:** Metsähallitus, City of Helsinki, UPM-Kymmene

Reintroductions of threatened fungi in the forests owned by the city of Helsinki

- Over 20 threatened species growing either on spruce, pine or deciduous tree species can be introduced
- The core areas for the introductions could be the protected areas; a good example is Haltiala old-growth forest from where the species can spread also elsewhere in Keskuspuisto
- Also other city-owned forests with dead and fallen trees are possible introduction areas

Thank you!



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