

# What is FunDive?

It is Biodiversa+ funded project in which we work to put fungi biodiversity on the map to enhance European conservation efforts.

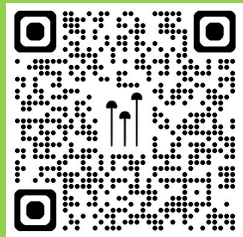
## Why does it matter?

Fungi are generally understudied. Their global distribution patterns are not well understood. Even in Europe, where there has been centuries of fungal research, the distribution of many species remain unknown. However, this information is crucial for effective conservation practices.

## Why it's worth joining?

Fungi are essential for our ecosystems but are often neglected in conservation efforts. We would like to change it.

### JOIN US!



<https://fun-dive.eu/en/get-involved/>



FunDive



**Monitoring and mapping fungal diversity for nature conservation**

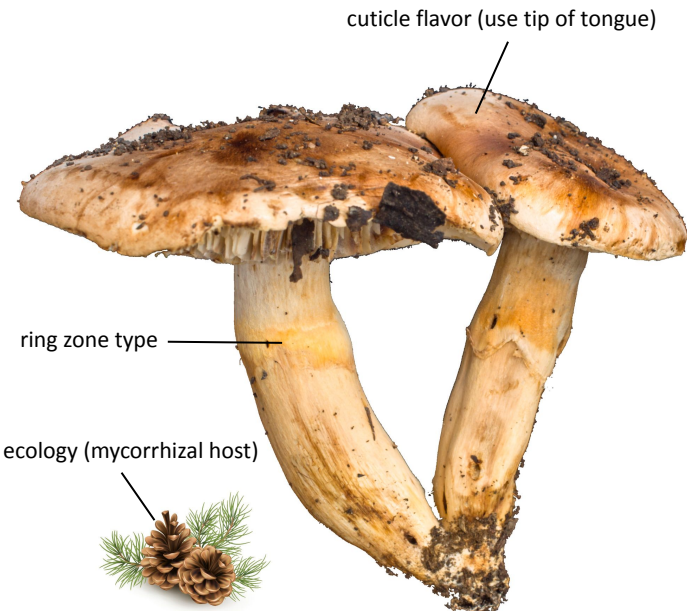
*Tricholoma eucalypticum*



## What are *Tricholoma* section *Genuina*?

*Tricholoma eucalypticum* belongs to section *Genuina*. This section is easy to recognize, mainly due to the robust, brownish appearance of their species, almost always smooth-sticky cap surface and mealy smell, just like *T. batschii* exemplified below. Legend indicates the most critical features to study different species within section *Genuina*.

Remember, *Tricholoma* has white spores (unlike *Cortinarius*, *Agaricus* or *Entoloma*). Also, it has sinuate gills that attach to the stipe (unlike the unconnecting-free gills in *Amanita* and *Pluteus*, or the running down gills in *Clitocybe* and *Leucopaxillus*).

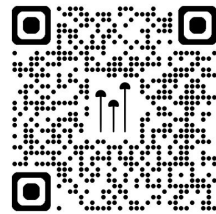


## Why is this mushroom interesting for FunDive?

*T. eucalypticum* is a mysterious name, thought by many to belong to the genus *Lyophyllum*. There are, however, several species in *Tricholoma* sect. *Genuina*, associated with *Eucalyptus*. Because it's such a mysterious group, no one knows how many of these species exist in Europe, where in the continent they occur and what impacts they may have on our ecosystems and economies.

By reporting your findings, you will contribute to nature conservation and policy making.

## How to engage?



<https://fun-dive.eu/get-involved/how-to-engage/>

- ☐ Join the *Citizens for FunDive* project using the PlutoF GO app
- ☐ Take photos and notes
- ☐ Register your specimen in PlutoF GO app
- ☐ Upload it to FunDive dataportal
- ☐ Collect and dry your specimen
- ☐ Send it to country-level point of contact

## How to document your findings?

- ☐ If possible, favor *Eucalyptus* pure habitats, or certainty in its mycorrhizal association.
- ☐ Try to take a photo of more than one fruiting body, preferentially in different growing stages.
- ☐ Photograph the specimen from multiple angles to visualise all details, particularly the ring zone.
- ☐ Take photos of leaves, bark, flowers and capsules of respective *Eucalyptus* tree.
- ☐ Use scale as size reference. Any coin works.
- ☐ Touch cap surface with tongue and record taste (don't worry it's safe).
- ☐ Chew small piece of stipe and record taste throughout 1 minute (spit and it's safe).

## Send us your specimens for DNA barcoding

These fungi are easy to recognise to section level, but to confirm species-level identification we ask you, to send your specimens for DNA barcoding.

To do so, please dry your specimens, pack them individually to paper bags, and send to your country-level point of contact

Track the status of your specimen and get its DNA sequence from FunDive data portal

**<https://fun-dive.eu/dataportal/>**

**<https://fun-dive.eu/en/get-involved/current-projects/tricholoma-eucalypticum/>**