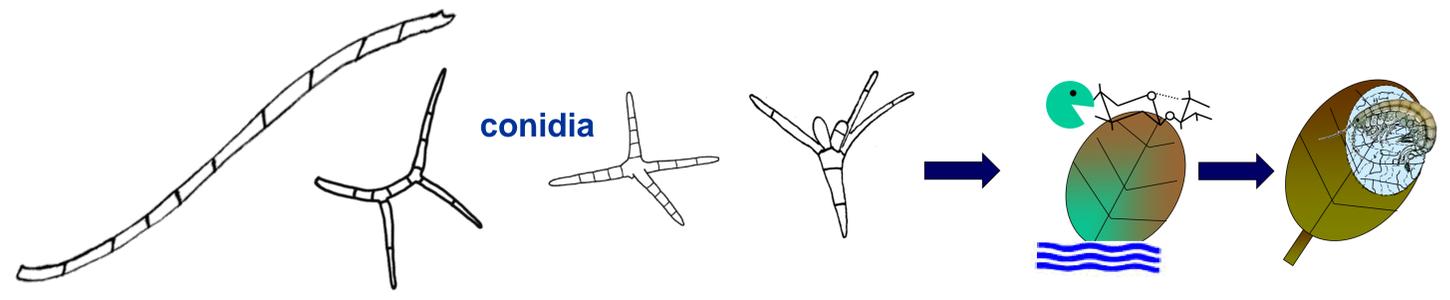


# Where are the Types of aquatic hyphomycetes ?

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## Aquatic “hyphomycetes”

Aquatic hyphomycetes (AH) are an ubiquitously occurring polyphyletic group of asexual fungi. They are important key players in the decomposition of leaf litter in streams. More than 300 species are described but are underrepresented in public culture collections.



## The condition of many Types is uncertain

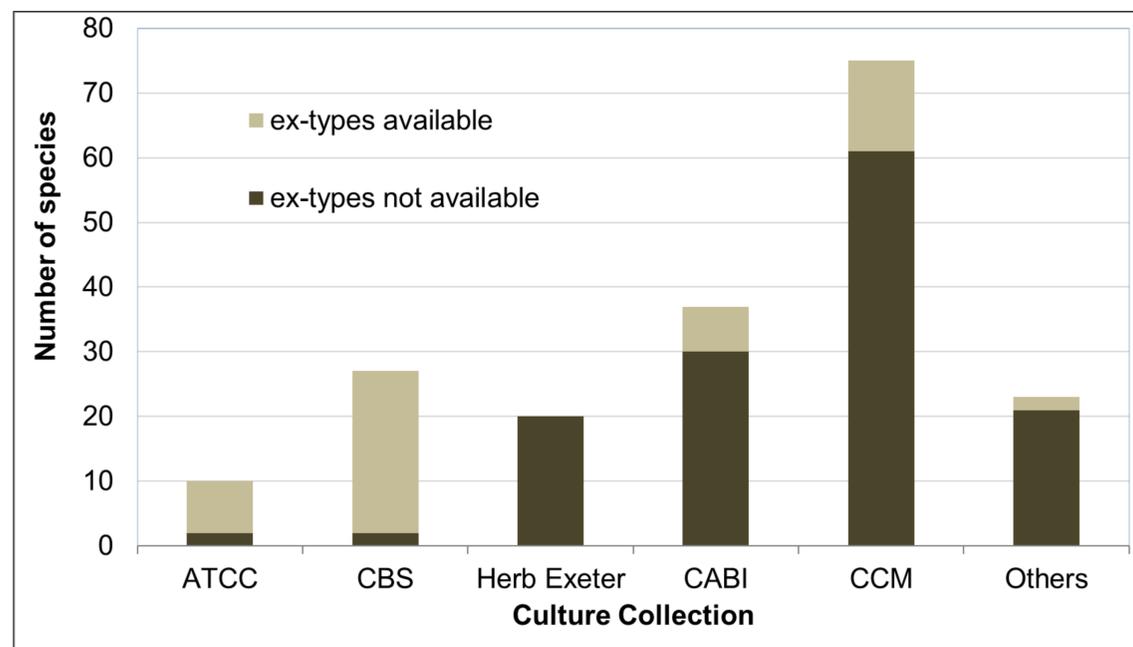
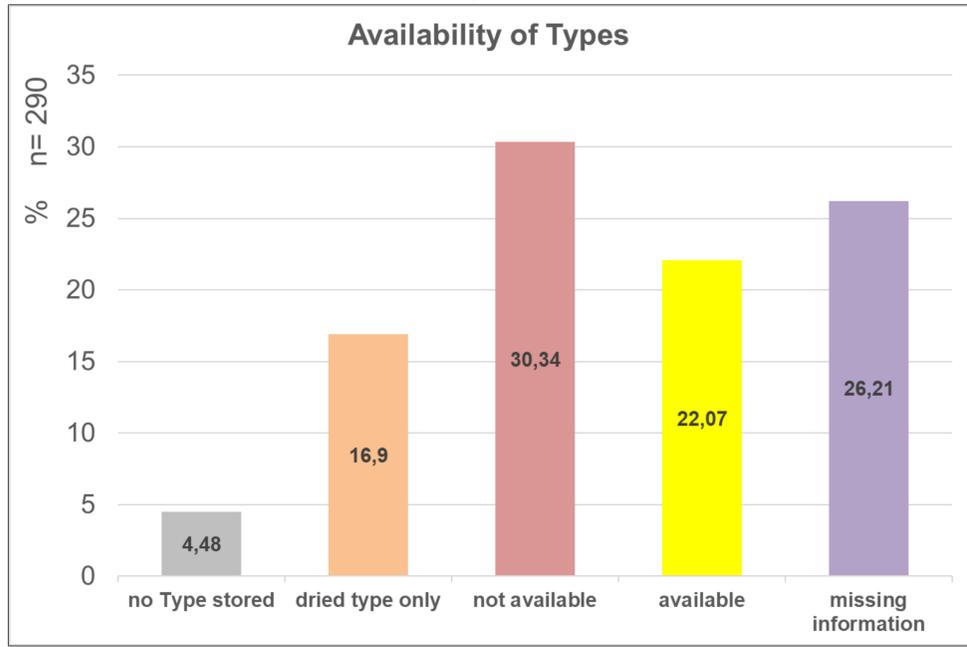
Accessibility – either types available as dried cultures and slides, only - or hidden in restricted collections.

## Where are the Types?

While urgent, the revision of many aquatic hyphomycete genera is impossible because of missing type, ex-type or authentic cultures.

## Safeguarding historical AH collections

It is crucial for the evaluation of genus and species boundaries to have access to a larger number of isolates of a species for investigating genetic and morphological as well as biogeographical variation.



- I. Sample strains - ex-type & other – from collections and nature
- II. Re-vive , preserve
- III. Sequence: Genes & Genomes
- IV. Genus & species concepts
- V. Epitypification if necessary
- VI. Re-deposit in original collection