

## About the lifestyle of *Trebouxia* algae

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The detailed inventory of saxicolous lichens in central Europe revealed high diversity of *Trebouxia* photobionts and interesting differences in a lifestyle of individual *Trebouxia* lineages. Many of them exhibit clear affiliation to specific environment and lichen community (guild). Their ecology seems to be a very good character useful in species delimitation. Moreover, the photobionts seem to get a various „degree of domestication“ – some *Trebouxia* lineages associate with sorediose lichens with high frequency, other live more likely in free-living state and associate with sexually reproducing lichen-forming fungi.