



Universität  
Basel

## Research Project

### Elevational range limits and constraints to the evolution of the climate niche

#### Project funded by own resources

**Project title** Elevational range limits and constraints to the evolution of the climate niche

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#### **Organisation / Research unit**

Departement Umweltwissenschaften / Pflanzenökologie und -evolution (Willi)

**Project start** 01.01.2017

**Probable end** 31.12.2020

**Status** Completed

In mountainous areas such as the Alps, species generally occur over distinct elevational ranges. There are the typical lowland, mid-elevation and alpine species. But species also differ in the width of the elevational range of occurrence. In an among-species comparison, we study the trade-offs involved with elevational and temperature adaptation, and generalist-specialist trade-offs. We address these questions by niche modelling and common garden experiments involving over 100 Brassicaceae species occurring in Switzerland.

#### **Financed by**

University funds

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