

## Workshop 2

### Poster presentation

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### Seed germination trends of endemic vascular plants in the Valencian Community (Spain).

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#### Abstract

Seed germination is a critical phase in the reproductive cycle of great importance for species fitness, and variation in germination percentage has been interpreted as an adaptation to ecological conditions. Understanding the germination process will help in the conservation strategies, specially “ex situ” strategies in order to obtain seedlings in greenhouse.

Germination test were carried out with seeds of 56 endemic, rare or threatened plants species collected between 1996 and 2002 in different populations localities from the Valencian Community. A week after seeds collection, approximately, the seeds were incubated during 30 days calculating the germination percentage daily.

Correspondence analysis (CA) on the germination percentage matrix display a gradient ordination onto axes H1 (43.36%). Cluster analysis on tthe three first axes point out three day-period germination groups, and four species groups. Trends of two *Silene hifacensis* populations considered in these analysis are different.