

Workshop 2

Poster presentation

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DEMOGRAPHY, POPULATION STRUCTURE AND DYNAMICS OF *Thymus herba-barona* subsp. *bivalens* (Lamiaceae).

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Thymus herba-barona subsp. *bivalens* is an endemic taxon of Mallorca, in the Balearic Islands. The only known population has approximately 180 individuals and its area of occupancy is less than 1000 m². This taxon is the subject of a Recovery Plan at the Sóller Botanic Garden.

The projection of the demographic trends and the identification of possible risks to this threatened population is the main objective of this work.

Since 2002 we have been monitoring this population. Flower production and vegetative size of each plant were used to classify plants into three classes. Then, a population viability analysis was carried out using an stochastic structured matrix model. Although the availability of just two transitions does not allow us to draw sound conclusions, current results show that the population is experiencing a severe decline.