

Workshop 2
Poster presentation
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SPATIAL AND TEMPORAL CHANGES IN THE POPULATION STRUCTURE AND DISTRIBUTION OF THE ENDEMIC *LIMONIUM PERPLEXUM* L. SÁEZ & ROSSELLÓ

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Limonium perplexum L. Sáez & Rosselló (Plumbaginaceae) is a predominant or exclusive apomictic endemic plant, exclusively restricted to the Valencian community, Spain. It is included in both the Annex IV list of the Directive 92/43/EEC and the Valencian Region Catalogue of Threatened Species. The population is located in calcareous rocky seashore in Serra d'Hirta, Castelló. Extreme environmental conditions (marine spray, storms, etc.) and low reproduction could affect the viability of the population. Spatial distribution of individual plants has been studied using GIS in order to detect micro-site effects on survival. The present situation of this species is a metapopulation composed of two subpopulations with total population ranking of 350 individuals in 2003 to 75 individuals in 2004 periods. Habitat suitability of neighbouring maritime cliffs has been also analysed using GIS in order to assess possible further population reinforcements.