

Workshop 1

Poster presentation

Email to fjmaldonado_montes@galileo.ccupm.upm.es

IMPORTANT AREAS FOR THE SPANISH ENDANGERED FLORA

Elena del Valle¹, Javier Maldonado², Helios Sainz¹, Rut Sánchez¹

¹) Departamento de Biología (Botánica), Facultad de Ciencias, Universidad Autónoma de Madrid. 28049 Madrid. Spain.

²) Departamento de Silvopascicultura (Botánica), ETSI Montes, Universidad Politécnica de Madrid. 28040 Madrid. Spain.

The selection of important plant areas showed in this study is based on the Red Data Book of the Spanish Endangered Flora. The variables considered for the selection are: a) the number of threatened taxa, b) the IUCN Red List Categories and c) the endemism. All UTM cells of 1 km containing at least one endangered species were georeferenced using a GIS. A 1.75 km buffer was applied in order to overlap the adjacent localities. A shorter buffer of 0.75 km was applied in the Canary Islands. Each area was evaluated using an algorithm with a different weight for each IUCN category and endemism. A total of 804 areas were identified, 141 of which were selected as important plant areas. Four kinds of plant areas have been distinguished: 1) Exceptional (30), 2) Very Important (30), 3) Important (41) and 4) Interesting (40). Although a high proportion of the selected areas already have already some kind of protection, gaps in the conservation network could be detected.