

Supplementary information S1 - Herbaria list of the studied physical and virtual collections (*Quercus* L) and consulted databases

Studied herbaria collections (*Quercus* L.)

Herbarium Code	Institution	Location
AVE	Universidade de Aveiro	Portugal. Aveiro.
BCN	University of Barcelona	Spain. Catalonia. Barcelona
BRESA	Polytechnic Institute of Bragança - IPB	Portugal. Bragança.
COI	University of Coimbra	Portugal. Coimbra.
HSS	Research Centre of "La Orden-Valdesequera"	Spain. Extremadura. Mérida.
HVR	Universidade de Trás-os-Montes e Alto Douro	Portugal. Vila Real.
L	Naturalis	Netherlands. Leiden.
LISE	Instituto Nacional de Investigação Agrária e Veterinária, I. P. (INIAV)	Portugal. Oeiras.
LISFA		
LISI	Instituto Superior de Agronomia	Portugal. Lisboa.
LISU	Museu Nacional de História Natural e da Ciência	Portugal. Lisboa.
MA	Real Jardín Botánico	Spain. Madrid.
P	Muséum National d'Histoire Naturelle	France. Paris.
PO	Museu de História Natural e da Ciência da Universidade do Porto	Portugal. Porto
SALA	Universidad de Salamanca	Spain. Salamanca.
SANT	Universidad de Santiago de Compostela	Spain. Galicia. Santiago de Compostela.
UEVH	Universidade de Évora	Portugal. Évora.

Online herbaria collections (*Quercus*)

Herbarium Code	Institution	Location
B	Botanischer Garten und Botanisches Museum Berlin-Dahlem, Zentraleinrichtung der Freien Universität Berlin	Germany. Berlin.
G	Conservatoire et Jardin botaniques de la Ville de Genève	Switzerland. Genève.
K	Royal Botanic Gardens	U.K. England. Kew.
MAIA	INIA (Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria)	Spain. Madrid.
MPU	Université de Montpellier	France. Montpellier.

Online databases

Name	Site	Reference
ANTHOS: Spanish Plants Information System	http://www.anthos.es/	Castroviejo, <i>et al.</i> [1]
Flora-On: Flora de Portugal Interactiva	www.flora-on.pt	Pereira, <i>et al.</i> [2]
GBIF Global Biodiversity Information Facility	https://www.gbif.org/	Holstein [3]
SIVIM: Iberian and Macaronesian Vegetation Information System	http://www.sivim.info/sivi/	Font, <i>et al.</i> [4]

References

1. Castroviejo, S.; Aedo, C.; Medina, L. Management of floristic information on the Internet: the Anthos solution. *Willdenowia* **2006**, *36*, 127-137.
2. Pereira, A.J.; Francisco, A.; Porto, M. Flora-On: Occurrence data of the vascular flora of mainland Portugal. *PhytoKeys* **2016**, 105.
3. Holstein, J. *GBIF: Global Biodiversity Information Facility*; University of Ulm: 2001.
4. Font, X.; Pérez-García, N.; Biurrun, I.; Fernández-González, F.; Lence, C. The Iberian and Macaronesian Vegetation Information System (SIVIM, www.sivim.info), five years of online vegetation's data publishing. *Plant Sociology* **2012**, *49*, 89-95.