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Appendix 1: Descriptions of the Stand Management, Understory, and Physiographic Variables Used in Statistical Analysis (Derived from Original Data of the Third Spanish Forest Inventory)

Name (and type)	Description
Stand management variables	
Tree cover (continuous)	Cover of adult trees of all species (%)
Q. density (continuous)	Density of adult <i>Quercus</i> sp. trees (N ha ⁻¹)
Q. density 1 (continuous)	Density of adult Quercus sp. trees (dbh 7.5-12.4 cm) (N
	ha ⁻¹)
Q. density 2 (continuous)	Density of adult Quercus sp. trees (dbh 12.5-22.4 cm) (N
	ha ⁻¹)
Q. density 3 (continuous)	Density of adult Quercus sp. trees (dbh 22.5-42.4 cm) (N
	ha ⁻¹)
Q. density 4 (continuous)	Density of adult <i>Quercus</i> sp. trees (dbh ≥42.5 cm) (N ha ⁻¹)
dbh (continuous)	Mean diameter at breast height of adult Quercus sp. trees
	(cm)
Heterogeneity (continuous)	Shannon H for stem density in four size classes of adult
	Quercus sp. trees
Stand management (categorical)	0: System managed as forest, 1: System managed as
	dehesa
Habitat type (categorical)	Either monospecific Quercus forests or mixed forests
Understorey variables	
Shrub cover (continuous)	Amount of ground cover by shrub vegetation in %
Shrub species richness	Number of shrub species recorded on each plot
(continuous)	
Cistus cover (continuous)	Amount of ground cover by Cistus ladanifer in %
Retama cover (continuous)	Amount of ground cover by <i>Retama sphaerocarpa</i> in %
Lavandula cover (continuous)	Amount of ground cover by Lavandula stoechas in %
Erica cover (continuous)	Amount of ground cover by <i>Erica arborea</i> in %
Phyllirea cover (continuous)	Amount of ground cover by <i>Phyllirea angustifolia</i> in %
Arbutus cover (continuous)	Amount of ground cover by <i>Arbutus unedo</i> in %
<i>Rubus</i> cover (continuous) <i>Genista</i> cover (continuous)	Amount of ground cover by <i>Rubus</i> sp. in % Amount of ground cover by <i>Genista</i> sp. in %
Ulex cover (continuous)	Amount of ground cover by <i>Ulex</i> sp. in %
(<i>'</i>	Amount of ground cover by <i>Diex</i> sp. in %
Physiographic variables	
Altitude (continuous)	Altitude above sea level (m) ^a
Slope (continuous)	Measured in %
Northness (continuous)	Quantifies the degree to which an aspect is north (values
	from -1 (south) to 1 (north), calculated as
Rock cover (ordinal)	cos(aspect-π/180) Amount of rock cover, ranging from 0 to 4 (0 = no cover, 1
	= 1.25%, 2 = 26.50%, 3 = 51.75%, 4 = 76.100%
Temperature (continuous)	Mean annual temperature ($^{\circ}C$) ^b
Precipitation (continuous)	Mean annual precipitation (mm) ^b
Humus layer (ordinal)	Thickness of humus layer, ranging from 0 to 3 (0 =
	thickness <0.5 cm, $1 = 0.5-1.4$ cm, $2 = 1.5-2.4$ cm, $3 = 2.5$
	cm and above)
Soil texture (categorical)	Relative proportion of different grain sizes of mineral soil
(3)	particles (sand, silt, clay)
Organic matter (ordinal)	Content of organic matter in soil, ranging from 1 to 3 (1 =
	poor in humus, 2 = moderately rich in humus, 3 = very rich
	in humus)

^a source: Spanish National Institute of Meteorology, ^b source: Spanish National Geographic Institute