

Table S1. Environmental and spatial variables considered for each municipality from Castilla-La Mancha. For variables marked with asterisk we calculated the minimum, maximum, mean and range values for each municipality through GIS Idrisi32.

Code variables	Environmental variables
ALTI	Altitude (m)* ⁽¹⁾
HJAN	Mean relative air humidity in January at 07:00 hours (%)* ⁽²⁾
HJUL	Mean relative air humidity in July at 07:00 hours (%)* ⁽²⁾
HRAN	Annual relative air humidity range (%) (5[HJAN-HJUL])*
INSO	Mean annual insolation (hours/year)* ⁽²⁾
SRAD	Mean annual solar radiation (kwh/m ² /day)*
TJAN	Mean temperature in January (°C)* ⁽²⁾
TJUL	Mean temperature in July (°C)* ⁽²⁾
TEMP	Mean annual temperature (°C)* ⁽²⁾
TRAN	Annual temperature range (°C) (5TJUL-TJAN)*
DFRO	Mean annual number of frost days (minimum temperature, 0°C)* ⁽²⁾
PREC	Mean annual precipitation (mm)* ⁽²⁾
PET	Mean annual potential evapotranspiration (mm)* ⁽²⁾
PIRR	Pluviometric irregularity* ⁽³⁾
ROFF	Mean annual run-off (mm) (= P- Mean annual real evapotranspiration)*
SLOP	Slope (%)*(Obtained through Idrisi32 from altitude)
S(<3)	Slope lower than 3% (% area) ⁽⁴⁾
S(3-7)	Slope between 3 and 7% (% area) ⁽⁴⁾
S(7-15)	Slope between 7 and 15% (% area) ⁽⁴⁾
S(15-30)	Slope between 15 and 30% (% area) ⁽⁴⁾
S(30-45)	Slope between 30 and 45% (% area) ⁽⁴⁾
S(>45)	Slope upper than 45% (% area) ⁽⁴⁾
LATI	Mean latitude (°N) ⁽⁴⁾
LONG	Mean longitude (°W) ⁽⁴⁾

Sources: ⁽¹⁾ US Geological Survey (1996). ⁽²⁾ Font (1983). ⁽³⁾ Montero de Burgos & Gonzalez-Rebollar (1974). ⁽⁴⁾ SIMA (1996).

Table S2. Game species considered in the present study. Some species have been analysed together because there are not individual dates of capture of them.

<u>Big game</u>
Aoudad (<i>Ammotragus lervia</i>) *; Fallow deer (<i>Dama dama</i>); Mouflon (<i>Ovis musimon</i>) *; Red deer (<i>Cervus elaphus</i>); Roe deer (<i>Capreolus capreolus</i>); Spanish ibex (<i>Capra pyrenaica</i>); Wild boar (<i>Sus scrofa</i>)
<u>Small game</u>
Iberian hare (<i>Lepus granatensis</i>)
Red fox (<i>Vulpes vulpes</i>)
Wild rabbit (<i>Oryctolagus cuniculus</i>)
Common coot (<i>Fulica atra</i>)
Common pheasant (<i>Phasianus colchicus</i>)*
Common pigeon (<i>Columba livia</i>)
Common quail (<i>Coturnix coturnix</i>)
Corvids [Black-billed magpie (<i>Pica pica</i>); Carrion crows (<i>Corvus corone</i>); Jackdaw (<i>Corvus monedula</i>)]
European turtle dove (<i>Streptopelia turtur</i>)
Japanese quail (<i>Coturnix japonica</i>)*
Mallard duck (<i>Anas platyrhynchos</i>)
Red-legged partridge (<i>Alectoris rufa</i>)
Starlings [Common starling (<i>Sturnus vulgaris</i>); Spotless starling (<i>Sturnus unicolor</i>)]
Stock pigeon (<i>Columba oenas</i>).
Thrushes [Fieldfare (<i>Turdus pilaris</i>); Mistle thrush (<i>Turdus viscivorus</i>); Redwing (<i>Turdus iliacus</i>); Song thrush (<i>Turdus philomelos</i>)]
Other birds [Bobwhite quail (<i>Colinus virginianus</i>) *; California quail (<i>Callipepla californica</i>) *; Northern lapwing (<i>Vanellus vanellus</i>)]
Other waterbirds [Black-headed gull (<i>Chroicocephalus ridibundus</i>); Common pochard (<i>Aythya ferina</i>); Common snipe (<i>Gallinago gallinago</i>); Common teal (<i>Anas crecca</i>); Gadwall (<i>Anas strepera</i>); Garganey (<i>Anas querquedula</i>); Greylag geese (<i>Anser anser</i>); Herring gull (<i>Larus argentatus</i>); Jack snipe (<i>Limnocryptes minimus</i>); Northern pintail (<i>Anas acuta</i>); Northern shoveler (<i>Anas clypeata</i>); Red-crested pochard (<i>Netta rufina</i>); Tufted duck (<i>Aythya fuligula</i>); Wigeon (<i>Anas penelope</i>); Yellow Legged gull (<i>Larus michahellis</i>)]
Woodcock (<i>Scolopax rusticola</i>)
Woodpigeon (<i>Columba palumbus</i>)
*Exotic species