

Figure 1. – Distribution maps for the selected species: (a) study area, with indication of the Carpetanean-Iberian-Leonese and N 43.5°–36.5° meridian borders. (b) map with all occurrences of populations. (c) map of potential areas with 0.5 of probability of an occurrence area for the individuals analysed.

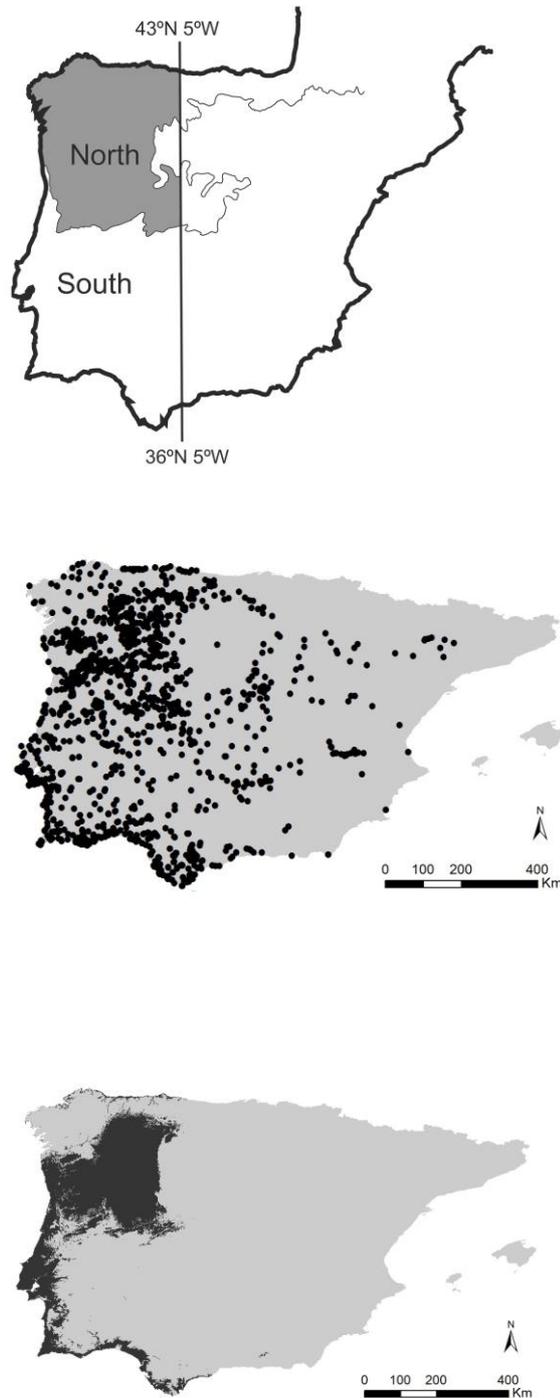
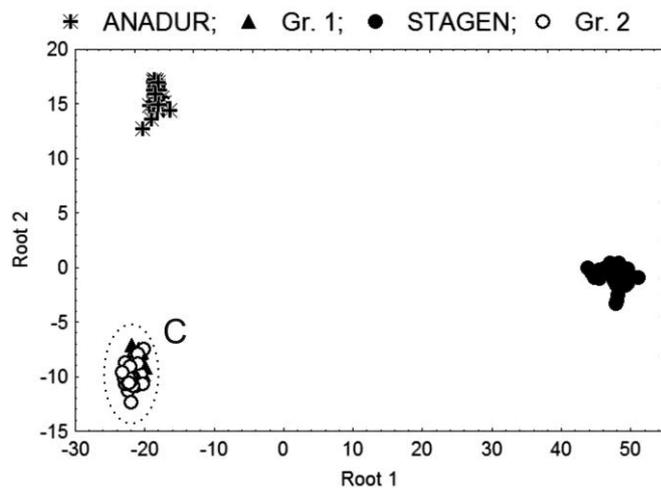
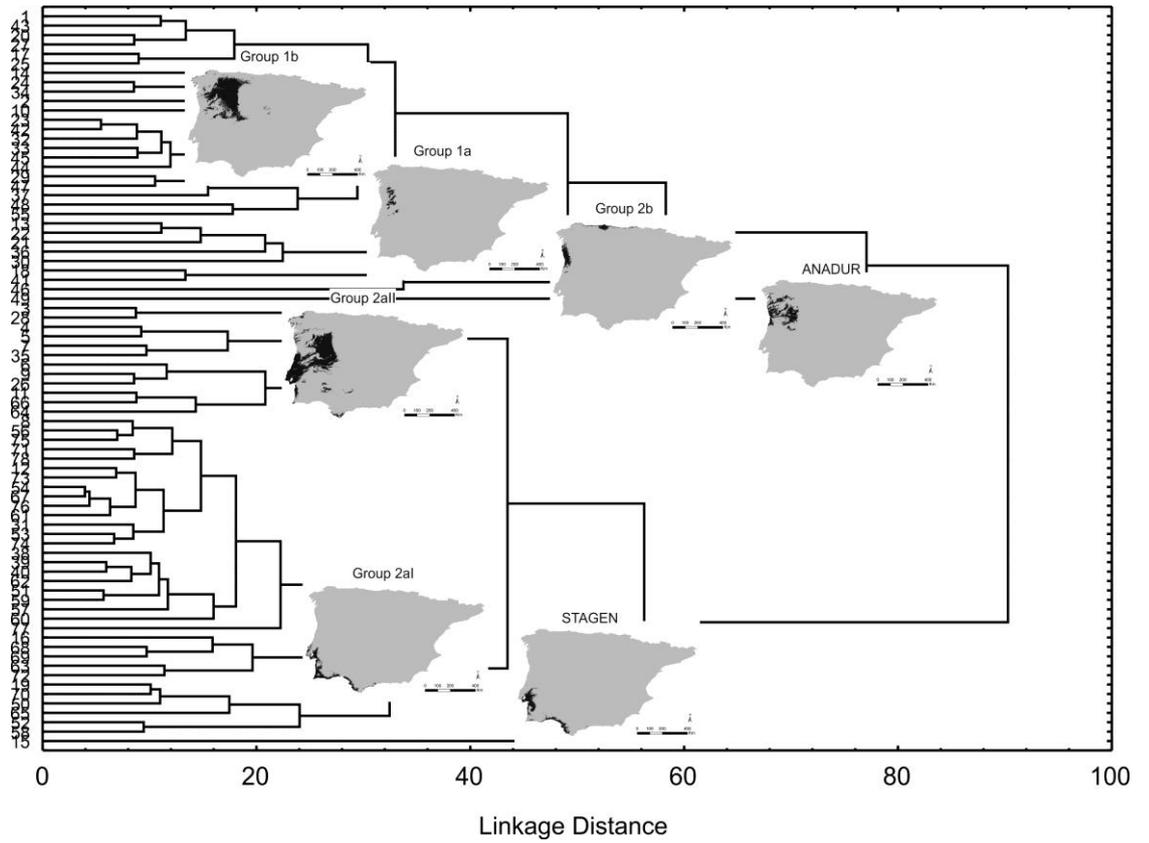


Figure 2. – Multivariate analysis of the environmental matrix: (a) dendrogram obtained from the similarity analysis of average environmental variables per taxon, with groups (Gr.) and subgroups (Sgr.) represented, and their maps of current potential distribution. (b) graphic representation of DCA for groups 1 and 2, ANADUR and STAGEN. (c) DCA for subgroups 2a and 2b, as well as group 1. (d) DCA for subgroups 1a, 1b, 2aI and 2aII.



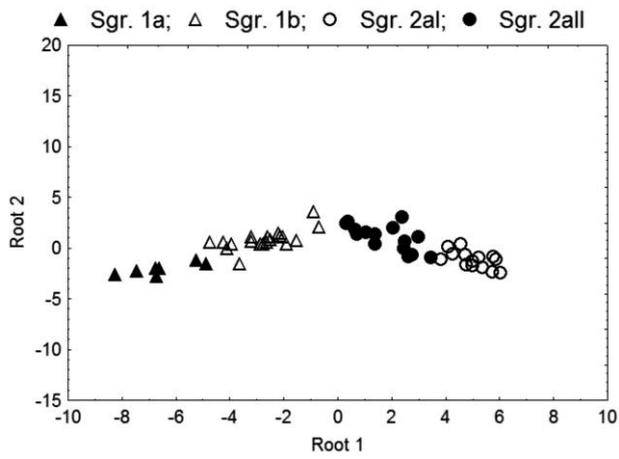
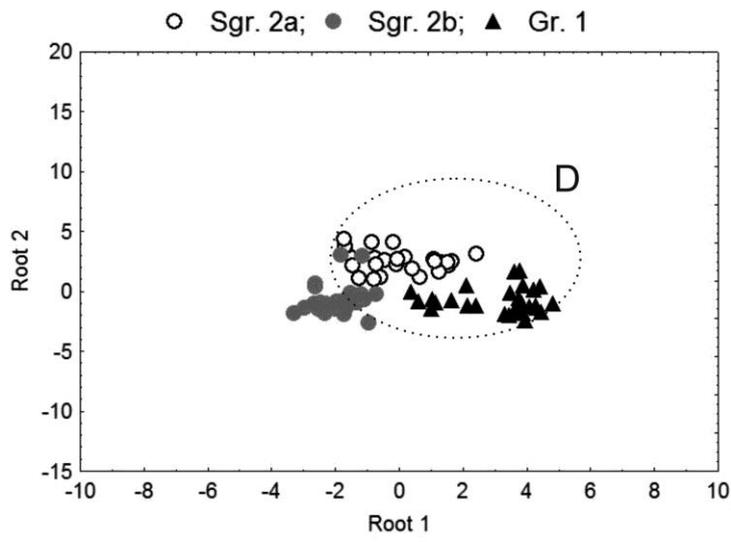


Figure 3. – Graphic representation for PCCA and amplitude box-plots: (a) PCCA for groups and subgroups (1a, 1b, ANADUR, STAGEN, 2a and 2b). (b) box-plot representation of environmental variability by group and subgroup (arb unit = arbitrary units, according to Olesen, 1995).

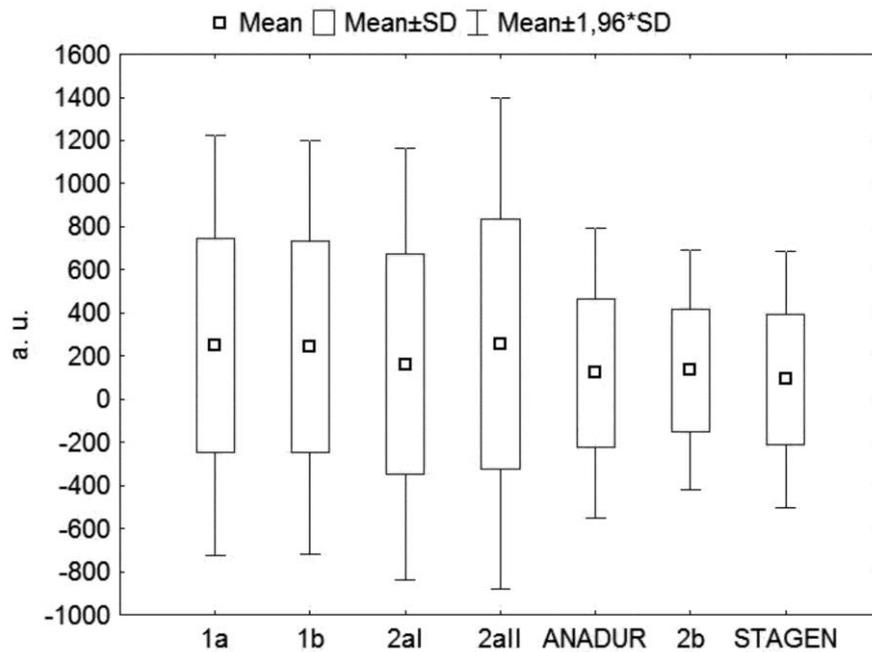
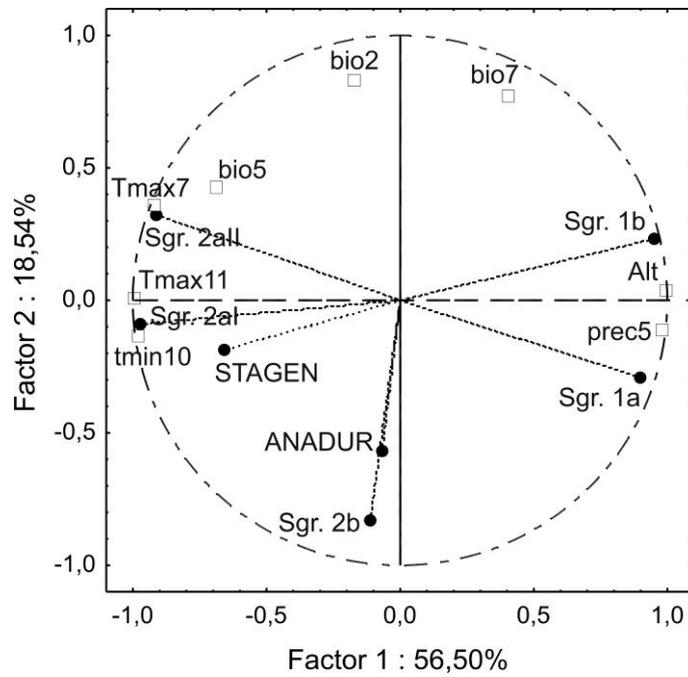
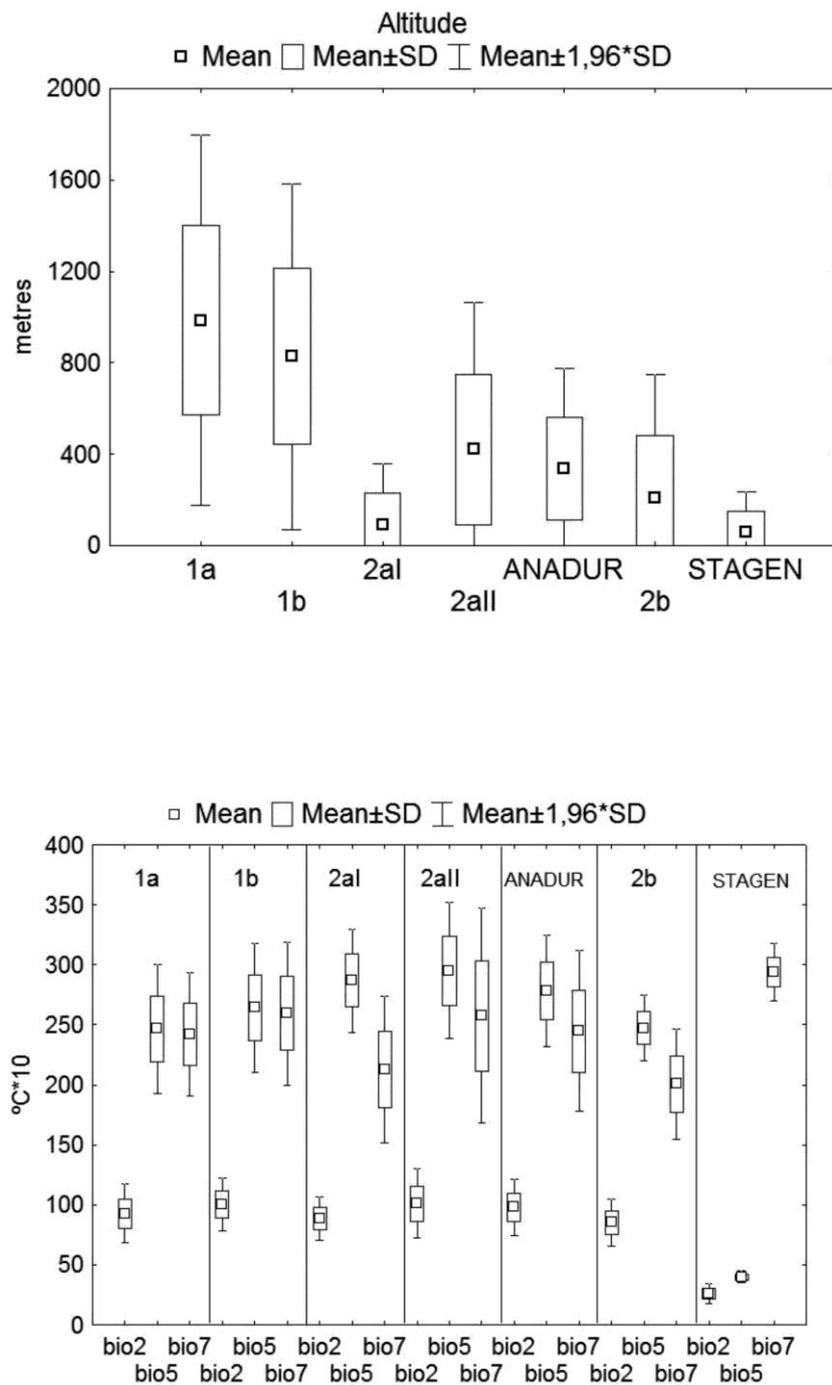


Figure 4. – Box-plot amplitude representations by type of environmental variable and groups and subgroups: (a) for altitude. (b) for the mean diurnal temperature range (bio2), the maximum temperature of the warmest month (bio5) and the annual temperature range (bio7). (c) for the average precipitation in May (prec5). (d) for the average highest temperatures for November (Tmax11), for July (Tmax7) and the lowest average temperature for October (tmin10).



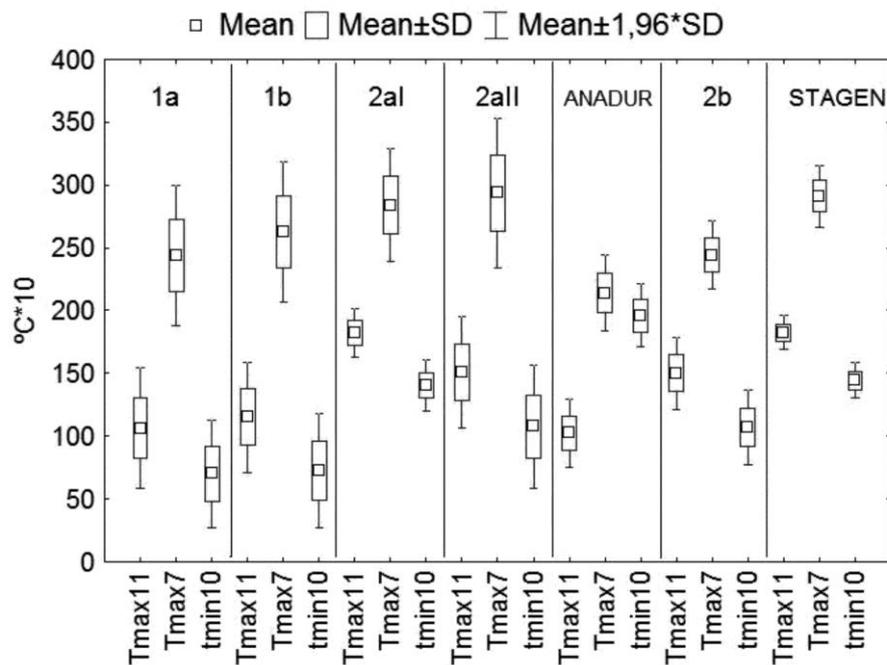
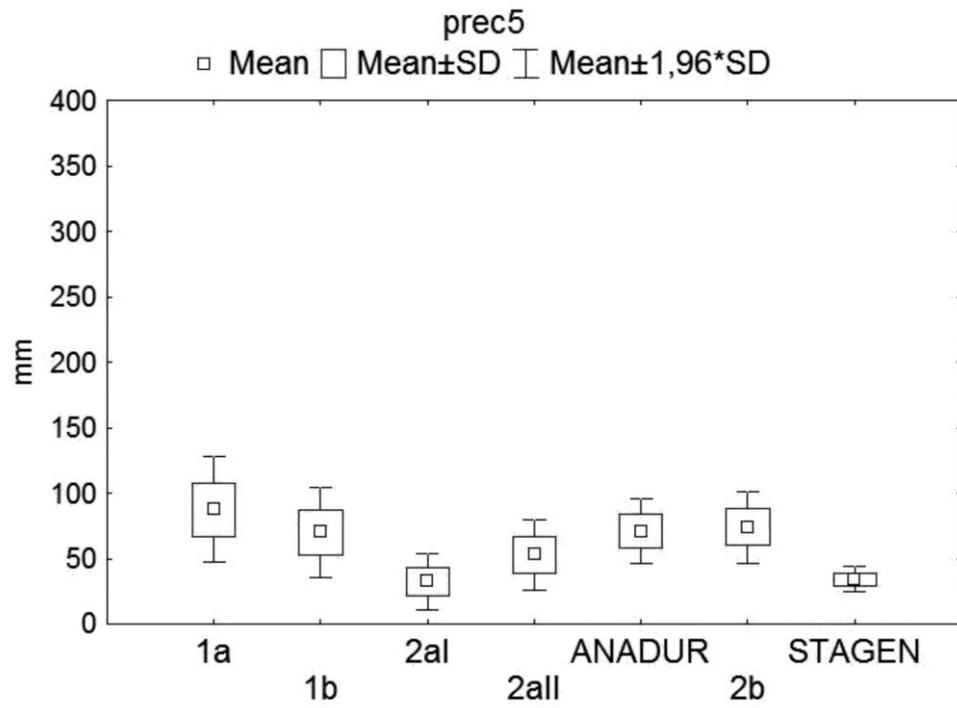


Figure 5. – Graphic representation of variations in Alt (altitude, m) for the taxa of subgroup 2aII, from the E (province of Albacete, Spain) to the W of the Iberian Peninsula (province of Extremadura, Portugal).

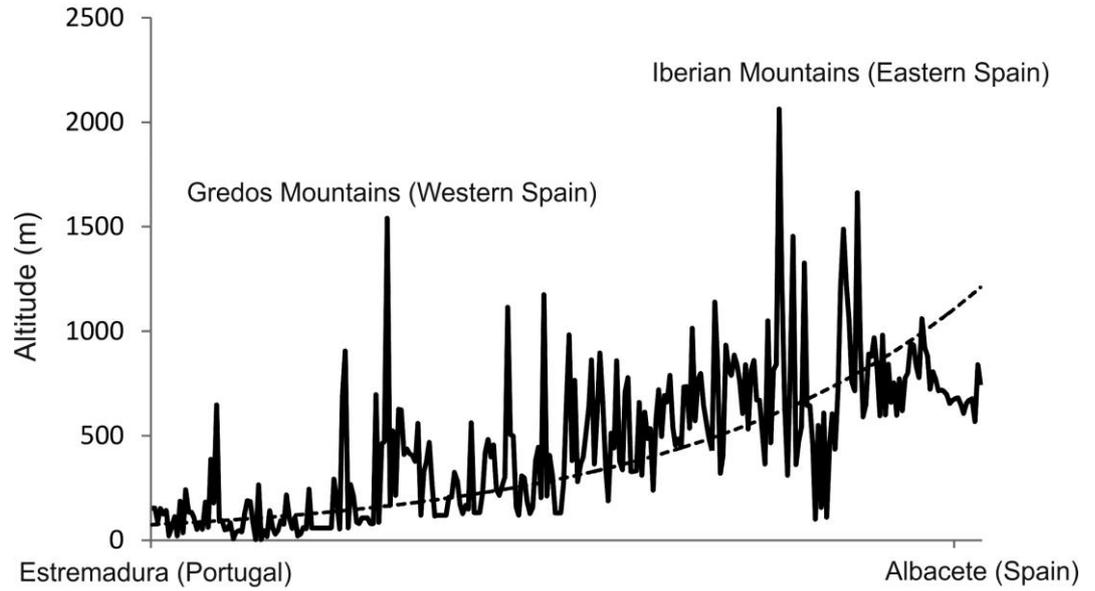


Figure 6. – Maps of previsions: (a) for all species and locations for 2080 on scenario A2, and (b) on scenario B2. (c) potential habitat areas for groups and subgroups. (d) predictions for groups and subgroups in scenario A2, and for B2 (e) in 2080.

