

Supplementary materials

Table 4 Climate predictor variables extracted from the WorldClim database: The left-hand column shows the name given to each variable, according to the WorldClim database, and the right-hand column shows the description of each variable

Variables	Description
BIO1	Annual Mean Temperature
BIO2	Mean Diurnal Range (Mean of monthly (max temp - min temp))
BIO3	Isothermality (BIO2/BIO7) ($\times 100$)
BIO4	Temperature Seasonality (standard deviation $\times 100$)
BIO5	Max Temperature of Warmest Month
BIO6	Min Temperature of Coldest Month
BIO7	Temperature Annual Range (BIO5-BIO6)
BIO8	Mean Temperature of Wettest Quarter
BIO9	Mean Temperature of Driest Quarter
BIO10	Mean Temperature of Warmest Quarter
BIO11	Mean Temperature of Coldest Quarter
BIO12	Annual Precipitation
BIO13	Precipitation of Wettest Month
BIO14	Precipitation of Driest Month
BIO15	Precipitation Seasonality (Coefficient of Variation)
BIO16	Precipitation of Wettest Quarter
BIO17	Precipitation of Driest Quarter
BIO18	Precipitation of Warmest Quarter
BIO19	Precipitation of Coldest Quarter

Table 5 AUC values of predictive reliability. The value of each cell in the right column represents the AUC value calculated by MaxEnt and indicates the reliability of the models developed for each species

Species	AUC (Area Under the Curve)
<i>Pedaliodes phaea</i>	0.86
<i>Pedaliodes phaeina</i>	0.97
<i>Pedaliodes polla</i>	0.90

Fig. 4 Habitat suitability models, derived through MaxEnt: a, model of *Pedaliodes phaea*; b, model of *Pedaliodes phaeina*; c, model of *Pedaliodes polla*. 1 is the maximum habitat suitability

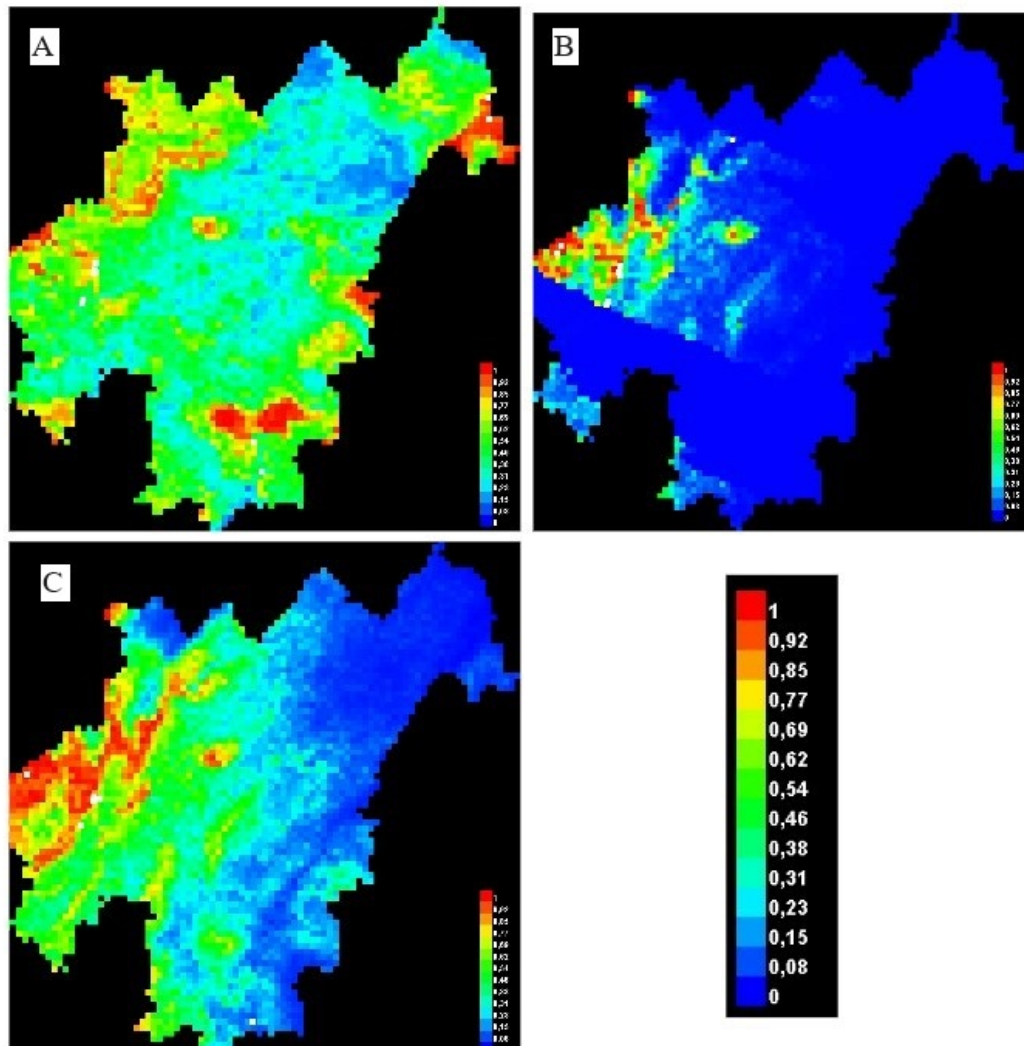


Fig. 5 Temperature Seasonality in the CARB

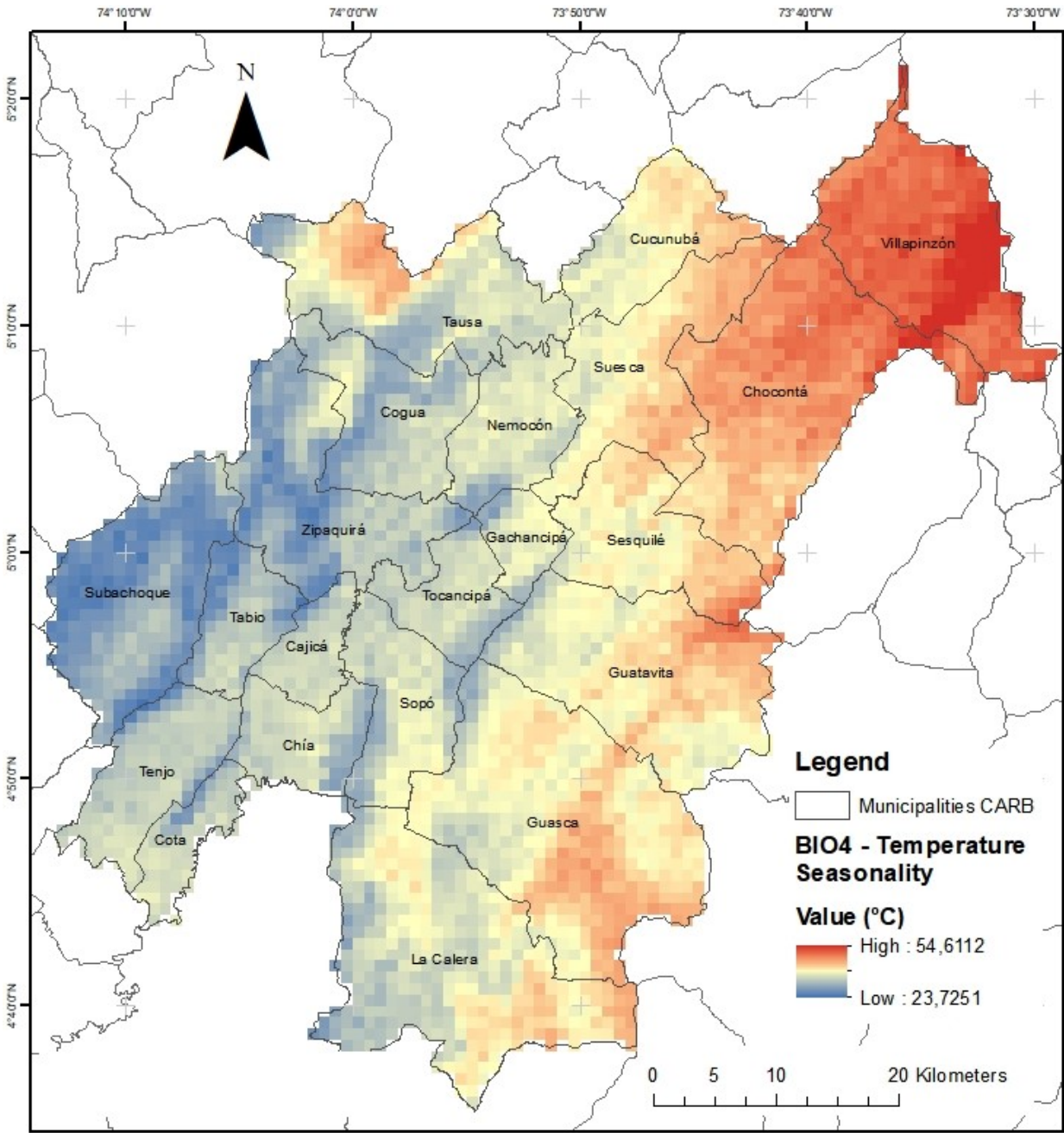


Fig. 6 Precipitation of the driest quarter in CARB

