

Some areas planted to crops, which are more densely populated and highly productive, still have - despite their degraded landscapes - "great environmental value, although this is rarely taken into account by public administrations", claims Moreno-Rueda.

The number of animal species rises still further in the south (Straits of Gibraltar) and the north (Pyrenees). The researcher explains that this phenomenon "could be due to the flow of species coming from the rest of Europe and the north of Africa, which would increase the variety of species near the Pyrenean isthmus (passeriform birds) and the Straits of Gibraltar (amphibians and reptiles), respectively"

For the researchers, understanding the patterns of species variety and the relationships between environmental and geographical factors is of paramount importance in order to define the key places in which to set up conservation areas.

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In addition, not all reserves for species conservation should be in remote areas. In this sense, reserves for amphibians and reptiles should be located in the hotter parts of Spain, preferably in rural areas.

million years, from the oldest, peaked in southwest Europe and northwest Africa, to the modern Indo-Australian ... > read more

Journal reference:

1 Moreno-Rueda et al Relative influence of habitat heterogeneity, climate, human disturbance, and spatial structure on vertebrate species richness in Spain. Ecological Research, 2009: 24 (2): 335 DOI: 10.1007/s11284-008-0509-x

Adapted from materials provided by Plataforma SINC via AlphaGalileo.

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