

## Modeling the Current and Future Distribution of *Anthus Pratensis* under Climate Change

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**Abstract :** One of the most important tools in conservation biology is information on the geographic distribution of species and the variables determining those patterns. In this study, we used maximum-entropy niche modeling (Maxent) to predict the current and future distribution of *Anthus pratensis* using climatic variables. The results showed that the species would not be highly affected by the climate change in shifting its distribution; however, the results of this study should be improved by taking into account other predictors, and that the NATURA 2000 protected sites will be efficient at 42% in protecting the species.

**Keywords :** anthus pratensis, climate change, Europe, species distribution model

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