



Regional climate change impacts on wild animal's living territory in Central Europe

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Global warming and climate change affect not only humans but wild animals, as well. In this poster we aim to analyze the regional impact on the living territory of European wild animals, including mammals, birds, reptiles, and amphibians.

Applied datasets for regional climate model results using 25 km horizontal resolution are available from the European project ENSEMBLES for 1951-2100 using A1B scenario. For the range datasets different sources are used for the different groups of species. (i) Atlas of European Mammals was published in 1999 and is now widely used as a reference work. It contains data for the pre-1970 and post-1970 presence of mammal species in Europe. (ii) Avibase dataset contains information on bird species. (iii) Atlas of European Amphibians and Reptiles was published in 1997, and contains European range data for both amphibians and reptiles collected in 1980s and early 1990s.

Simultaneous analysis of climate simulations and animal range datasets enables us to evaluate the vulnerability of different European species to regional warming and climate change.