



Assessment of Climate Change Effects on Continentality in Europe

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When analysing climate types in Europe and their shifts under climate change using Köppen-Trewartha classification (KTC), we can see the move of more or less zonally located borders between certain types (or subtypes, especially the cold ones) northward due to the overall warming of the planet. However, for the temperate climate type there are subtypes defined following the continentality patterns, and we can see their generally meridionally located divide across Europe shifted to the east. There is a question whether this is realistic or rather due to the simplistic condition in KTC following the winter minimum temperature, while other continentality indices consider rather the amplitude of temperature during the year. This leads us to connect our analysis of climate change effects using climate classification to the more detailed analysis of continentality patterns development in Europe to provide better insight on the climate regimes and to verify the continentality conditions, their definitions and climate change effects on them.