



Changes in climate suitability for tourism at Adriatic coast since 1961

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The aim of the paper is the comparison of suitability of climate conditions for tourism at the eastern Adriatic coast in the period 1961-2015. For quantitative estimation of suitability of climate for different kinds of tourism, climate index for tourism (CIT) is used. CIT integrates thermal, aesthetic and physical facets of atmospheric environment and therefore is suitable for estimation of climate satisfaction that ranges from very poor to very good. The thermal component is estimated using the physiologically equivalent temperature (PET). The index is applied for: beach tourism, cycling, hiking, cultural tourism, golf, football, motor boating and sailing. Changes in climate potential of tourism are estimated by differences of distribution of climate index for tourism. For the warmest part of the day, the results indicate the extension of the summer tourist season for beach tourism at the end of the analyzed period. On the other hand, for other tourist activities in the same period the results indicate more pronounced bimodal distribution of CIT during year, resulting with the seasonality shift of ideal conditions for most activities to spring and autumn. Besides, in the morning the improvement of favourable climate conditions for all types of tourism at the end of the period.