

Abstract

Title: Use of meteorology and historical comparisons atmospheric conditions for yachting and water.

Objectives: At work I use two basic methods of research. The method of content analysis and interview. Content analysis, I get the information for the theoretical part of the work, using professional sailing and meteorological publications. Furthermore, the method of non-standardized interview, which I took while visiting Mathematics - Physics Faculty at Charles University, Department of Meteorology and Climatology. Here I have discussed his work with Dr.. Joseph Brechler, PhD. Furthermore, with top windsurfing in the Black foothills and Nechranické dam.

Methods: At work I used as a basic research methods method of content analysis and interview. Content analysis, I gained information for the theoretical part, the professional sailing and meteorological publications that deal with the issue. Non-standardized interview method I used when visiting Mathematics - Physics Faculty at Charles University, Department of Meteorology and Climatology. Here I discuss my work with Dr.. Joseph Brechler, PhD., Then Ing. Ružbatský in the foothills of the Black and F.Kasík of Nechranice. For wider acquaintance with the issues I was trying to get other sources of information on various internet portals related to sailing and meteorology.

Results: The first part was to get acquainted with the basics of general meteorology. This part has been successfully developed in the theoretical part. Further mapping and windsurfařských kitespotů within specific locations. Here I describe the various spots, their suitability to the wind direction and speed. The last part is a refutation of the hypothesis of a significant change in weather conditions during the period 1980-2014 at these locations. This hypothesis is not confirmed on the basis of data obtained from CHMI. It is therefore not possible to clearly demonstrate that over time horizon of 34 years of blows to the sites average more or less.

Keywords: meteorology, wind, spot, water sport, yachting.