

Overview of Wave and Wind Climate in the Romanian Nearshore Using Sattelite Data

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ABSTRACT

This paper assess the evolution of wave and wind condition in the Black Sea basin using multimission remotely sensed data provided by AVISO web site that cover the period 2005-2010. Statistical analysis of the wave and wind data based on methods like times-series, quantile-quantile and others are presented to evaluate the energetic characteristics of the summer and winter seasons and to show the influence of wind conditions in the evolution of wave climate. Analysis of data points uniformly distributed over the western side of the Black Sea basin will indicate a spatial distribution of wave and wind characteristics and will give an idea about what areas are more significant from the energetic point of view. Applications of the remote sensing data to a variety of problems illustrates the potential of satellite measurements.

Keywords: *Black Sea, sattelite data, multimission system, wind climate, waves.*

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