

A Study on the Cognition of the Seaside Space ~ Based on the Sea Breeze and the Wave ~

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In recent years, waterfront of coastal cities have been developed. The planning include coast area has been demanded the creation of a comfortable seaside environment. In the study, the authors analyzed the parameters to evaluate the invisible environment. The method to describe the different positions of the coast for visually challenged person, for deaf and for other handicapped person were analyzed. The characteristics based on the wind; seabreeze direction in coastal cities, as the sense of touch and smell were analyzed. The characteristic based on the wave, as the sense of the auditory and visual senses were analyzed. The wind direction were cleared by the fluid analysis program. The visible and invisible area were analyzed using Open Source Geo Information System. The sound were analyzed based previous our studies. The seaside space and the coastline were expressed using the Geo Information System. It is appear that there are the types of the coasts based different sense. The differences in sensibilities are also in the combinations of sensibilities.

Keywords: Sea Side Space, Visualization, Geo Spatial Information Technology