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AN ECOLOGICAL FOOTPRINT ANALYSIS OF DALIAN NATIONALITIES UNIVERSITY, CHINA

Abstract:

Campus as an ecosystem in nature has ecological carrying capacity; its health is closely related to the degree of development of the university. The mainstream method of evaluation of ecological level is component analysis method, using this method to calculate the ecological footprint on campus; in the analysis of ecological footprint, six main categories of biological productive area are distinguished: energy, food, garbage, paper, water and transportation. In this paper, we use the field survey and sampling methods to obtain relevant data, while introducing the concept of elasticity, we view the data collected as independent variables. However, some data changes little over time called inelastic, such as food, garbage, paper and so on. Some data fluctuates greatly over time called elastic, such as energy, water and so on. The result of the survey shows that the ecological footprint of energy is the largest. At the end of the text, the paper makes reasonable proposals on how to save food and energy saving.

Keywords:

ecological footprint; Dalian Nationalities University; energy; transportation