

Model Configuration and Innovative Design of College Students' Ecological Civilization Construction

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Abstract. This study is based on Marxist eco-civilization thought, combining with Eco management theory, puts forward solutions for college students' ecological civilization construction. The paper based on the perspective of ecological management theory to analyze the main elements of eco-civilization construction of college students, mainly including five categories. In view of above-mentioned analyze, constructed the model of college students' eco-civilization which is based on the theory of eco-management, and put forward on concrete methods to improve it.

1. Introduction

Since 20th century, with the emergence of the advanced science and technology and the world economy growing rapidly, the earth which was lived by humans, appeared in a series of ecological crisis, and caused the global shortage of resources, environmental pollution and ecological deterioration, natural disasters in succession. Ecological civilization was born. But now, the ecological civilization education system of Chinese colleges and universities has not formed, and lack of education planning system. All of shows that the overall consciousness of the ecological environment conditions of college students is not optimistic, advantage of school curriculum has not been give full play, these are far cannot adapt to the demand of modern society. The subject of the ecological civilization education idea and the purpose of the ecological management theory happen to have the same view.as a result, analyzed from ecological management theory, it can probe into the construction of ecological civilization. College students' construction of ecological civilization has its own characteristics, On the one hand for ecological management theory and ecological civilization construction in the field of theory research, the new research Angle of view; On the other hand hopes to provide reference for construction of ecological civilization.

2. The connotation of ecological management theory and college students' ecological civilization and the challenges of the college students' ecological civilization construction

2.1. The connotation of ecological management theory

Ecological management is to use the principle of ecology, economics and sociology and other interdisciplinary and modern science and technology to manage the effects of human action on the ecological environment; it's trying to balance the conflict between development and ecological environment protection, ultimately achieve balanced and sustainable development of economy, society and ecological environment. First, it emphasizes the balance of economic and ecological sustainable



development. Second, it means a kind of management paradigm shift, that is, from the traditional "linear, understand" management to a "progressive" circulation management, according to the test results and reliable new information to change management solution, Third, ecological management stresses integrity and systemic, cognition to the interdependence between all life - are part of nature, individual and society and ecological system influence each other to ask each component in the complex, with a holistic and systematic thinking to guide the economic and political affairs, and to seek social economic system and natural ecological system coordination, stability and sustainable development. Ecological management mainly includes the environmental resource management, ecosystem management concept, ecological culture management concept, ecological concept of cooperative management and so on.

2.2. The connotation of ecological civilization

Ecological civilization is the sum of material and spiritual achievements, which refers to the development of the natural, human beings and society. It's based on people and nature, man and society, harmonious and sustainable development. Ecological civilization is different from the past industrial civilization era, it is in the process of transformation and utilization of natural, constantly to overcome the negative effects, optimize the relationship between man and nature, construction and orderly ecological operation mechanism and build good ecological environment. The connotation of ecological civilization shows that ecological civilization is a new form of civilization, it is put forward on the basis of destroy the balance of human and nature, and serious environmental pollution, it is in order to solve the concrete problems of resources, environment and ecology. To solve these specific problems, it is necessary to change the human production mode, life style, values and social system. University ecological civilization education refers to the university guided with the scientific outlook on development in order to improve college students' ecological quality. Using the existing education condition and means, have a purpose, in a planned way to related aspects of ecological civilization education of university students, including the ecological legal system, ecological civilization cognitive education, ecological culture, ecological ethics, green consumption.

2.3. The challenges of the college students' ecological civilization construction

Around the college students' ecological civilization education, designed the relevant questionnaires, To Wuhan University of Technology undergraduate students to issue a total of 1,000 copies, the recovery of 900, the recovery rate of 90%. Found that the current lack of ecological civilization education in colleges and universities. As shown in Figure1.

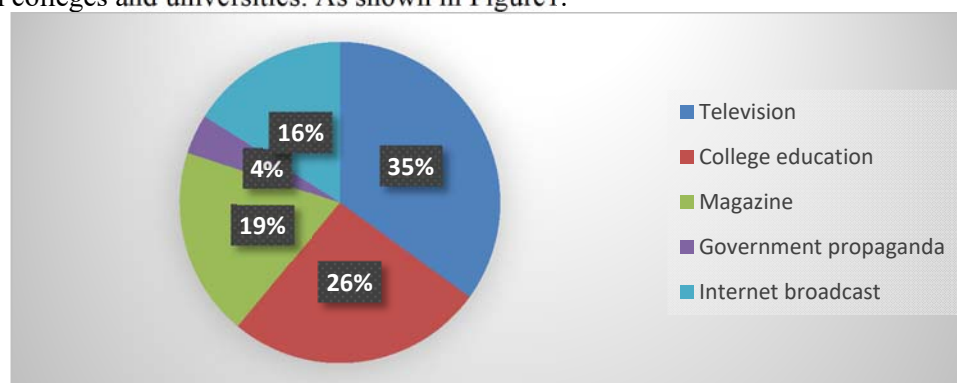


Figure1 The main channel for college students to obtain knowledge of ecological education

At the same time, To conduct whether the school has set up ecological education courses and ideological and political theoretical classroom whether there are ecological education aspects of the investigation, also found that the curriculum of ecological education is still imperfect, need to be further improved, As shown in Figure 2.

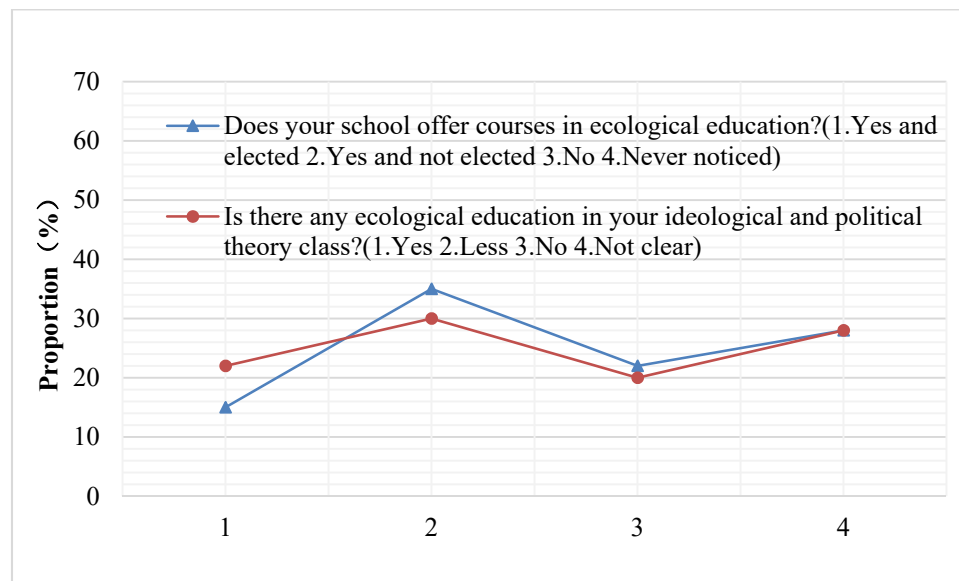


Figure2 The Course of Setting up Ecological Education in Colleges and Universities

College students pursue more reserves of knowledge and skills of ascension, and ignoring the natural right to life. They gradually abandoned the thought of revere and respect the nature, make a perfect and harmonious relationship between man and nature cannot coexist, mechanically to divide the man and nature, subjective and the objective, Result in sharp opposition between man and nature, which is the main challenge facing the construction of ecological civilization of college students.

3. To construct model of students' ecological civilization construction, which was based on the theory of the ecological management

Ecological management theory points out that the creatures when there is a relationship between the environmental management and its purpose is to maintain the ecological balance and stability. Biological, inorganic biological communities and their survival environment form a unified whole, Biological and abiotic factor in the biological communities and the environment, as air, water and soil, and so on, interact with each other. Exchange of matter and energy constantly, and then form the ecological system. Inorganic environment of ecosystem is the base of the whole system, the pros and cons effect the situation and biological community richness and running of ecosystem. Biology and biological community will react on the surrounding environment, on the one hand, to adapt to the environment; on the other hand will change the environment, so that it is good for its own survival and development. Similar to the ecosystem, College students' ecological civilization constitute a complete system with other subjects, Ecological civilization environment affects the operation of the system, and all kinds of subjects of ecological civilization survive and grow in the environment of ecological civilization. And strive to build college students' ecological civilization system, and make it to a healthy direction. The main body of ecological civilization construction plays an important role in the process of system construction. Just as biology and biological community diversity, the main body of ecological civilization construction also has diversity, mainly including the government, the theory of ecological civilization, the traditional ecological culture, ecological culture, and campus green ecological education. Every kind of main body act on college students' construction of ecological civilization in the certain way. The government mainly through policy and legal system, the spread of ecological civilization theory through the analysis of the ideological and political theory course, the Chinese traditional ecological civilization thought of traditional ecological culture, construction of campus ecological culture of campus ecological culture, and green ecological education through the analysis of ecological education and environmental education. As shown in Figure 3.

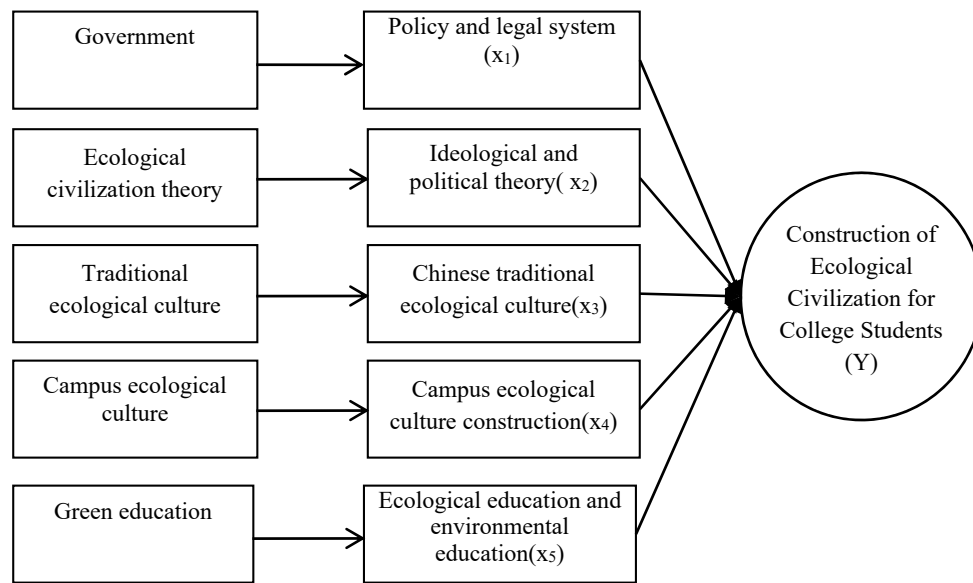


Figure3 Ecological civilization construction model of college students based on ecological management theory

Discacciati et al. (2015) proposed a progressive bayesian logistic regression model based on penalty likelihood estimation under data expansion, which can solve the above problems. After a lot of empirical tests, the method is not inferior to the traditional estimation method. In the decision of the priori distribution, the super-parameter of the prior distribution is calculated at 95% of the prior level, and the prior distribution of the variables is determined in the regression analysis of multiple univariate regimes. The highest level of distribution is its distribution in multivariate regression. The model formula is as follows:

$$\ln \left\{ \frac{\pi(x_i)}{1-\pi(x_i)} \right\} = \text{logit} \{ \pi(x_i) \} = \sum_{j=1}^p x_{ij} \beta_j$$

Where $\pi(x_i)$ represents the probability of successful implementation of ecological civilization, x_{ij} is the independent variable, i is the dimension of the analysis, and j is the influencing factor of the ecological civilization construction of the college students, and β_j is the regression coefficient.

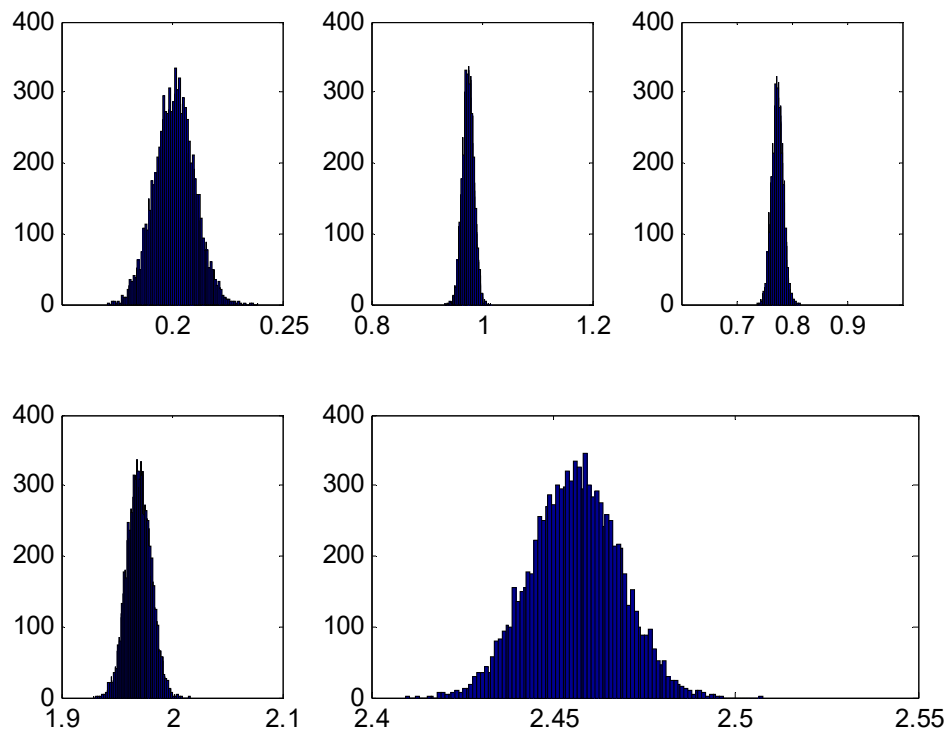


Figure4 College students' ecological civilization construction regression model parameters

According to the questionnaire analysis, the regression model of ecological civilization construction is $Y=0.2x_1+x_2+0.8x_3+2x_4+2.5x_5+\varepsilon$, and the log regression value of the model is -0.9163. It can be seen that the construction of ecological civilization of college students needs to be further improved. Among them, policy and legal system (x_1), influence and political theory (x_2), Chinese traditional ecological culture (x_3) is not obvious, the regression coefficient is less than 1.

4. The analysis of ecological management innovation of college students' ecological civilization construction

4.1. The attention of party and the government's

The 16th and 17th congress reports all emphasized the importance of environmental protection, the 17th congress reports pointed that the construction of ecological civilization, formed the industrial structure, growth mode and consumption patterns of save energy resources and protect the ecological environment," We will have a large-scale circular economy and considerably increase the proportion of renewable energy" The discharge of major pollutants will be brought under effective control and the ecological and environmental quality will improve notably, the ecological civilization concept be firmly established in the whole of society. The party and the government's emphasis on environmental protection and ecological education, provides an important policy support and point out the direction for college students' concept in ecological civilization education. The 18th congress put the construction of ecological civilization in prominence, blend in economic construction, political construction, cultural construction, social construction and the whole process; all aspects have become an important part of the socialist construction with Chinese characteristics. The files of *The opinions on strengthening environmental protection under the state council, the twelfth five-year plan for national economic and social development program and the state environmental protection "twelfth five-year" plan*, clearly put forward to speed up the construction of resource saving and environment-friendly society, promote economic development and population, resources, environment coordinated overall train of thought, provides a powerful policy guarantee for ecological civilization construction.

4.2. Spread the ecological civilization theory

Ideological and political theory course integrated the ecological civilization theory into the teaching system.. On the one hand, to help students to understand Marxist ecological civilization by the document of Marx and Engels, as the economics of 1844 - philosophical manuscripts, "German ideology", "dialectics of nature "and the paper of The communist party of China about ecological civilization.. On the other hand, to help students to realize the importance and urgency of ecological civilization construction by study the moral and legal of ecological civilization and station the ideological and political lesson .

4.3. Carry forward the traditional ecological culture

The Chinese civilization is full of ecological wisdom of civilization; the ecological ethics thought has a long history, many schools of thought have a deep discussion. Such as Confucian advocates "nature and humanity", Taoism advocates the nature of the Tao, Buddhism promotes ahimsa, all of this advocate the harmony of man and nature, the nature of all things has intrinsic value. These abundant culture shows that the ecological idea of ecological civilization is the important content of Chinese traditional culture, is our construction of ecological civilization should be inherited a precious historical and cultural heritage. In the teaching of philosophy and social science classes, take the Chinese traditional ecological wisdom and the thought as the important content of teaching; vigorously carry forward the traditional ecological culture.

4.4. The construction of campus ecological culture

Campus culture is an important content of college students' school life. Vigorously strengthen the construction of campus ecological culture, can create favorable campus environment for college students to grow. Basically have the following three aspects: first, Popularize basic knowledge of college students' ecological, make the college students learn scientific and cultural knowledge, not only grasp the development law of ecological environment, but also to deepen the understanding of the ecological environment; second, students make full use of the abundant scientific research resources to carry on the ecological theory to explore, and study the ecological environment problems by tutor, then research and theoretical innovation to promote the construction of campus ecological culture; third, The construction of green campus culture. As The pleasant ecological environment, human and nature friendly campus, "Green dormitory", take good care of trees and flowers. Finally, provide good ecological literacy of college students to develop a healthy environment.

4.5. Advocate "green education", strengthening the traditional ecological ethics education

Green ecological education is generic terms of ecological and environmental education around the world; it's the most powerful means to make the human ecological consciousness and ecological ethics. China's traditional philosophy claim "nature and humanity", in Zhuang Zi's thought, everything in the natural development is reasonable, adapt the development is like imitate the nature, people should adapt to nature. Taoism regards the universe as an organic whole, advocate natural law. "Nature and humanity" embodies the Chinese traditional view of the world; advocate the harmonious development of man and nature, advocating the thought of "climate, geographical and human". We should make full use of these ancient ecological ethics thought to develop the contemporary young students' ecological consciousness and ecological ethics.

5. Summary

From the perspective of ecological management theory, the essay analyzes effectively promote college students' ecological civilization construction must depend on the body of the elements include the government, the theory of ecological civilization, the traditional ecological culture, ecological culture and campus green ecological education. Expounds they act on Policy and legal system, Ideological and political theory course, the Chinese traditional thought of ecological civilization, the construction of campus ecological culture and ecological education and environmental education. Based on the

above analysis, to build the model of college students' ecological civilization construction, and put forward improvement methods for the construction of ecological civilization.

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