

Research on the Protection and Development of Terrace Landscape under the Background of Rural Revitalization

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Abstract: As a part of agricultural cultural landscape, terraces can produce good ecological and economic benefits, but at present, terraces are facing serious disasters and lacking protection and development. Only by solving the contradiction between the protection of terraced landscape and farmers' income, traditional culture and modern civilization, can we realize the sustainable development of terraced landscape under the active guidance of the government to achieve the goal of rural revitalization. This paper starts from the significance of protecting and developing terraces to realize rural revitalization, analyzes the problems encountered in the protection of terraces and the sustainable development mode of terraced landscape, so as to realize the goal of rural revitalization through the protection and development of terraced landscape.

1. Introduction

Terraced landscape is generally a kind of cultural landscape with local characteristics due to the local style and terrain features. For example, Hani terraces and Nohani terraces are geographical landscapes formed by different ecological types. With the deterioration of the environment, many landscapes are gradually disappearing, and the terrace landscape is a cultural landscape formed by human beings based on the natural landscape and according to the needs of human activities. Strengthening the protection and development of terrace landscape can promote the sustainable development of cultural landscape, develop rural cultural undertakings, enhance ecological and economic benefits, and increase farmers' income, so that the people can live a rich life and realize the goal of rural revitalization as soon as possible.

2. Significance of Protecting and Developing Terraced Fields for Rural Revitalization

2.1. Terraces are the Intersection of Agriculture, Farmers and Rural Areas

China has always been a big agricultural country, and agriculture has always been the basic industry for farmers to survive. Although China's urbanization level is constantly improving, and a large number of agricultural labor force is also changing to industrial labor force, by the end of 2017, about 41% of the population living in rural areas are still engaged in agriculture. Terrace is the main source of farmers' income, the object of farming, and the source of rural survival and development. Farmers' survival, production and life are inseparable from terraces. In a sense, the reason why terraced fields have been preserved so far is that the local development level is relatively backward, and the lack of productivity, the outflow of villagers make the appearance of terraced fields change little. Therefore, the protection and development of terraced landscape is the key of rural revitalization.

2.2. Terraced Landscape is the Carrier of Rural Culture

The development of Chinese society is based on farming economy. Agriculture, rural areas and farming are the origin of our national culture, and also the basic guarantee for people's survival and life ^[1]. Rural cultural heritage and rural lifestyle are the embodiment of traditional Chinese culture.

Terraced landscape is a kind of cultural landscape which is convenient for agricultural production after the precipitation of natural features and human activities, having a strong rural flavor. The protection and development of terraced landscape can stimulate their positive creativity and self-confidence in rural culture, which is conducive to the realization of rural revitalization.

3. Problems in Terrace Protection

3.1. Terraces are Seriously Short of Water and the Area is Decreasing

Generally, the areas with terraced landscape are relatively backward in economy and slow in development. Poor farmers, underdeveloped science and technology and slow economic growth cause unscientific resource development, which has a serious impact on the local ecological environment. The main reasons for the continuous reduction of terrace area are as follows: the continuous destruction of green vegetation leads to the reduction of water resources and the collapse of terraces; the serious aging of basic equipment, insufficient investment of new equipment and blocked ditches cause the reduction of water volume and terrace area; farmers carry out large-scale agricultural production, change terraces into dry land to increase agricultural income, resulting in the reduction of terrace area, loss of labor and waste of terraces.

3.2. The Change of Rice Varieties and Extensive Use of Pesticides and Fertilizers Result in the Reduction of Terrace Area

Generally, rice is mainly planted in terraces. However, due to the low yield of traditional rice and the high yield of hybrid rice, a large number of farmers choose to plant hybrid rice instead of traditional rice. In addition, in order to increase the yield of rice rapidly, farmers use a lot of pesticides and chemical fertilizers, which destroy the ecological environment of terraces and reduce the area of terraces.

3.3. Terrace Tourism Lacks Scientific Planning

The geographical environment of terraced fields often has unique natural landscape and rich human resources, and has the unique advantage of developing tourism holy land, which is convenient to vigorously carry out eco-tourism projects ^[2]. However, the current terraced landscape lacks scientific planning. When developing tourism projects, the local ecological environment and the needs of farmers who mainly cultivate terraced rice doesn't be considered. It also does not effectively combine the related forest ecosystem that provides water resources guarantee with the tourism development project of terrace cultural landscape, which destroys the harmonious development of human and nature, and also has negative effects on the balanced development of the ecological economic system.

4. Sustainable Development Mode of Terrace Landscape under the Background of Rural Revitalization

4.1. Expand the Terrace Protection Area, Actively Develop Ecological Agriculture

The protection and development of terrace landscape should not only to stay at the level of terrace protection, but also to protect the agriculture based on terrace, the farmers mainly planting rice in terrace, forest guarantee system for providing water resources for rice irrigation, and ensure the ecological balance of forest and water resources. The local staff should gradually expand the area of terrace protection area. The protection of terrace can not only be a single terrace landscape, but also include the surrounding natural ecological environment and the agricultural reclamation of related ethnic groups, as well as the rice terraces being cultivated. The water resources, forest system, natural ecology, human landscape and so on, which are closely related to the terraces,

should be protected.

At present, most of the terraces in our country belong to cultural heritage, especially Hani terraces is not only a world cultural heritage, but also an important agricultural cultural heritage. Terraces like this should strengthen protection. In order to protect and develop the terraced fields, local managers must deal with the problems such as the reduction of terrace area, the loss of labor force and the lack of water resources, make scientific planning and guide farmers to plant diversified rice to protect the area of terraced fields. This can not only increase the yield of rice, but also promote the protection of terraced landscape^[3]. In addition, the local managers should make use of the ecological agricultural system of terraced fields to develop a new mode of combination of planting and breeding, such as raising geese, ducks and fish in paddy fields with terraced rice as the carrier, and develop a series of ecological agricultural products, to avoid farmers changing terraced fields for dry land or other purposes, so as to promote the local economic development, realize the goal of rural revitalization, protect and sustainably develop terrace landscape.

4.2. Plan as a Whole, Develop Terraced Ecological Tourism Projects

In the development of terraced landscape, it is necessary to carry out scientific overall planning, highlight the key points and consider comprehensively, develop the scenic spots around the terraced fields synchronously, protect the cultural heritage with historical value, collect and sort out folk songs and stories with national characteristics, form a tourism route with ecological characteristics centered on terrace landscape, and create a comprehensive terrace landscape area.

First of all, terraces should be combined with folk culture, build ecological cultural area with national characteristics, improve tourism infrastructure of terraced fields, formulate comprehensive tourism service process, plan creative folk tourism project content, and comprehensively display terraced fields landscape, local folk culture and ethnic customs, so as to make it an ecological tourism area integrating ecological tourism, leisure vacation and cultural entertainment.

The second is terrace landscape photography area^[4]. Terraced landscape is a cultural landscape due to the special geographical environment and people's activities. Terrace and surrounding landscape naturally form beautiful scenery, which is a holy land for photography lovers. Terrace and surrounding landscape have traces of historical and cultural heritage, which can bring people different feelings.

The final is tourism service settings. According to the planning requirements of terrace landscape, the service settings of eco-tourism landscape are as follows. First, select the appropriate villages around the terrace, and reconstruct the original village with national characteristics and folk customs on the architectural style as the reception point for tourists. Second, build the pedestrian path for tourists on the basis of not breaking the water system. Third, the home stay should have local characteristics. Fourth, garbage cans with folk culture should be placed in the tourist area.

4.3. Establish and Improve the Laws and Regulations of Terrace Landscape Protection

First of all, establish a perfect terrace protection institutions and early warning system. The protection and development of terrace landscape area can promote the sustainable growth of local ecological and economic benefits. Terrace landscape is the cultural heritage formed by local people through long-term efforts, the crystallization of their wisdom, and the symbol of harmonious development between human and nature. Local residents play an important role in protecting ecological balance. To protect and develop the local historical and cultural heritage, achieve the goal of rural revitalization, the local government should establish organizations to protect terraces, clarify the protection scope and responsibility of various departments through the introduction of relevant laws and regulations, and establish an early warning system to realize the protection and sustainable development of terraces.

Secondly, establish ecological compensation mechanism. In order to solve the problems of farmers' neglect of terrace protection, labor outflow and low rice yield, the local government should establish an ecological compensation mechanism to increase farmers' income, so as to improve

farmers' attention to terrace protection. The local government should also establish a diversified and multi-level compensation financial system, increase the investment in terraced cultural landscape as the protection funds of terraced landscape. The protection of terraces is not only to protect the ecological landscape, but also to protect the cultural heritage, which is not only in line with the harmonious development of man and nature, but also in line with the requirements of sustainable development, and is the goal of rural revitalization.

5. Conclusion

To sum up, in the context of rural revitalization, the protection and development of terrace landscape not only protects the agricultural ecosystem from damage, but also maintains the harmonious development of human and nature. The strategy of rural revitalization, the overall planning of terrace landscape, the establishment of protection institutions and early warning system not only promote the development of local ecological, economic and social benefits, but also realize the sustainable development of terrace landscape.

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