

# **Comprehensive land consolidation and ecological protection and restoration under the concept of ecological civilization**

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## **Abstract**

*In recent years, with the rapid development of our economy, Chinese government institutions are attaching more and more importance to the land improvement and ecological environment protection and repair work, in order to improve our land quality effectively, we need to strengthen our ecological system environment repair work, so as to effectively build our ecological civilization society, build a beautiful ecological land, repair our land roots. Based on the concept of ecological civilization, this paper mainly carries out comprehensive renovation and adopts ecological protection and restoration methods on the land of our country to realize effective improvement of the state of ecological civilization of our land.*

## **Keywords**

*The concept of ecological civilization; Comprehensive consolidation of land; Ecological conservation and restoration.*

## **1. Introduce the participants of the workshop on Community governance from a diversified perspective**

Our land resources management departments in order to improve the land comprehensive improvement effect effectively, accelerate the protection and restoration of ecological system through reference to domestic and foreign ecological repair, protection case terms, to improve the efficiency of our land comprehensive improvement effectively, concrete land comprehensive improvement and ecological protection and restoration of the implementation methods are shown in Table 1 as follows.[1]

### **1.1. Take the concept of ecological civilization as the guiding ideology**

In order to increase the quantity of cultivated land and promote the quality of cultivated land effectively, saving, intensification, ecology, protection and other means are widely popularized to improve the situation of Chinese land improvement effectively. The comprehensive improvement and ecological protection and restoration of China's land are mainly to make full use of the concept of ecological civilization, adhere to the strategic policy of ecological civilization, optimize the reform space of China's land development, promote resource conservation in an all-round way, and finally realize the purpose of protecting the ecological environment, so as to truly achieve a community with a shared future of "mountains, water, forests, fields, lakes and grass". We will vigorously carry out national land

restoration work from various aspects, angles and regions.[2]

### 1.2. Improve the quality of our national space

Since land consolidation is based on land conservation development, restoration personnel need to fully consider the three aspects of "quantity, quality and ecology" in the follow-up management and restoration work, adhere to the premise of food security, and improve the quantity and quality of agricultural land. At present, in the comprehensive improvement and restoration of Chinese land, mainly through the use of improving the quality of Chinese land, the people-oriented concept will be fully applied in the subsequent management and protection work, and the restoration plan will be formulated according to local conditions, so as to effectively improve the utilization rate of Chinese land resources, repair our ecological system, and provide a suitable living environment for human beings.[3]

### 1.3. Involving all elements of territorial space

The land consolidation work mainly involves the restoration and restoration of unused, irrational, damaged and degraded land, etc. In the process of restoration, targeted restoration, protection and renovation plans should be formulated according to the situation of each land space. Although the comprehensive management strategy of "field, water, road, forest and village" should be strengthened, cultivated land should still be the main core content of land follow-up restoration. Since the total elements of territorial space mainly involve comprehensive land consolidation and ecological protection and restoration, it is necessary for the state to authorize the land management area and organize and report land-related resources. At present, the main objects involved in our country renovation and repair are: land, mineral deposit, water flow, forest, mountains, grasslands, unreachable land, sea, beaches and other natural resources and farming farmland, village house, abandoned mine, urban landscape, road facility and other unnatural resources.

### 1.4. The scope covers the whole region and river basin

Because land renovation can be completed under the major development strategy in our country, mainly by analyzing and studying the ecological environmental problems and food security problems in our country, and researchers in the process of land renovation, by drawing on the "four areas with one belt" guidelines to carry out the policy of the whole region and the whole basin improvement, In the coordination of time, space, land, sea, ground, underground foundation, truly achieve linkage, unified pattern.[4.5]

**Table 1** Specific development trend of land comprehensive improvement and ecological protection restoration in our country

methods	Take measures
Take the concept of ecological civilization as the guiding ideology	We will improve the space for land development reform and conserve resources
Improve the quality of our national land space	Make plans according to local conditions to improve the utilization of land resources
It involves all elements of national space	To renovate and restore unused, irrational, damaged and degraded land
The scope covers the whole region and whole river basin	We will implement the policy of region-wide and river-wide improvement

## 2. Problems existing in comprehensive land consolidation and ecological protection and restoration

With the gradual progress of reform and opening up, the industrial economy is developing rapidly in China, and urbanization and industrialization have become the trend of The Times. However, during this period, too much attention is paid to the exploitation and utilization of land resources and the requirements of ecological civilization construction are ignored. In addition, in the technical specifications for construction acceptance and comprehensive management of land and resources, the corresponding management concepts and guidelines for agricultural resources and environmental protection are not clearly defined, and there is a lack of effective ecosystem management and control system. For example, there are obvious limitations in the aspects of restoration of expropriation system, compensation system for rebuilding damaged ecosystem, ecological audit system, land management and ecological restoration fund. Due to the large number of departments involved, the responsibilities of different departments are very different, leading to the phenomenon of multiple management increasingly obvious, in the implementation of regional development and protection measures there is a common lack of unified planning layout, it is difficult to truly implement the ecological environmental protection from the perspective of overall development management.

**Table 2** Problems of land comprehensive improvement and ecological protection and restoration in our country

The problem	Specific pointing Content
Heavy land exploitation, light ecological construction	Too much attention to the exploitation and utilization of land resources
The land consolidation ecological management system has lag	Lack of effective ecosystem management system
Development and protection lack of unified planning work, ecological function degradation	The absence of a unified layout

## 3. Restore the good ecological benefits of the country through ecosystem protection and restoration

At present, our country's ecological system protection and restoration is divided into natural restoration and artificial intervention two ways, so technicians need to maximize close to the natural method and technology, using ecological bank protection, natural bending river restoration techniques. For some slightly damaged areas, the vitality of the natural ecosystem can be restored by lowering sand and cultivating grass, sealing the mountain for afforestation, water and moisturizing, etc., while for the natural ecosystem that has been seriously damaged, it needs to be restored in a multi-level and progressive way.

**Table 3** Ecosystem protection and restoration

Condition of damage	way
Minor damage area	Lowering sand and cultivating grass, sealing mountain and cultivating forest, hydrating and moisturizing
Severely damaged area	Multi-level, progressive

## 4. Conclusion

This paper mainly analyzes the comprehensive treatment and restoration of the land, and promotes the sustainable development and utilization of the land resources effectively by strengthening ecological protection and restoration, so as to play the basic role for our ecological construction and industrial civilization development.

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