

Original Paper

Ecological Advantages and Challenges Research on the Sustainable Development of Sports Tourism in Kangluxin Integrated Loop Route

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Abstract

The sports tourism development of the Kanglu - Xin Integrated Ring Line has attracted much attention in the context of sustainable development. This study focuses on the ecological advantages and challenges of sports tourism in the region. Through in-depth research on geography, resources, economy and social culture, it aims to deeply understand the current situation of this field and provide strategic suggestions for future sustainable development. In order to fully understand the development of Kangluxin Integrated Ring Sports Tourism, we also pay attention to possible dilemmas, including possible negative impacts on the environment and society, such as ecological damage, over-utilization of resources, and possible social problems. Through an in-depth study of the ecological advantages and challenges of the Kanglu - Xin integrated ring sports tourism, this study provides theoretical and practical guidance for achieving sustainable, balanced and comprehensive development of sports tourism in the region.

Keywords

Kanglu - Xin Integrated Ring Road, sports tourism, sustainable development, ecological advantages

This paper aims to conduct an in-depth study of the development of Kanglu - Xin integrated ring sports tourism and highlight its ecological advantages and challenges to achieve sustainable development. In the introduction, we emphasized the key position of sports tourism in the Kanglu - Xin Integrated Ring Comprehensive Project. By providing a background introduction to the region's unique geographical location, climatic conditions, and natural landscape, we laid the geographical foundation for subsequent research. The research purpose and significance section clarify the core goal of this study, which is to comprehensively analyze the current situation of Kanglu - Xin integrated ring sports tourism, deeply

explore its balance between ecological protection and economic growth, and provide a basis for future scientific development. An overview of research methods explains the research methods adopted, including geographical survey, resource assessment, economic analysis and socio-cultural research, to ensure a comprehensive and in-depth study. Finally, the structure of the paper proposes that this paper will include literature review, geographical feature analysis, sports tourism resource assessment, economic impact analysis, social and cultural impact research, and ecological environment and social issue analysis. Each section will delve into relevant topics to provide comprehensive support for the final conclusion. Through comprehensive research on these aspects, we aim to comprehensively understand the advantages and dilemmas of Kanglu's new integrated ring sports tourism and provide scientific suggestions for future development.

1. The Ecological Foundation of the Kanglu - Xin Integrated Ring Line

1.1 Geographical Characteristics and Climate Conditions

The Kanglu - Xin Integrated Ring Line has a unique geographical location, located at the junction of Kangding City and Luding County in China. Its geographical characteristics shape the ecological foundation of the region to a large extent. The terrain in the ring area is complex and diverse, including mountains, plains, hills and other landform types, forming a rich and colorful natural scenery. This diversity provides a rich ecological space for the existence and development of biological diversity.

Climatic conditions play a crucial role in the formation and evolution of ecosystems. The climate in the Kanglu - Xin integrated ring area is mild and humid, showing obvious plateau climate characteristics. The temperature is moderate, the seasonal changes are obvious, and the four distinct seasons are typical. This climatic condition is not only suitable for the lush growth of vegetation, but also provides a suitable living environment for various animals and plants. The geographical characteristics and climatic conditions jointly create rich natural landscapes for the Kangluxin Integrated Ring Line. Majestic mountains, clear rivers, and dense forests form a fascinating landscape. These landscapes are not only ideal places for sports tourism, but also provide rich physical conditions for the formation of ecosystems. However, with the development of sports tourism, the impact on the ecological environment has attracted more and more attention. Therefore, while fully exploiting the advantages offered by geographical features and climatic conditions for sports tourism, careful planning and management must be done to ensure the sustainability of the ecological base. In future research, it is necessary to further understand the specific impacts of geography and climate on the ecosystem of the Kanglu - Xin Integrated Ring to develop more scientific protection and management strategies.

1.2 Current Status of Ecological Environment

The Kanglu - Xin Integrated Ring Line is in relatively good condition. First of all, the soil quality is generally good and the organic matter content is high, which provides strong support for the growth of vegetation. Secondly, the water quality is good, the rivers are clear and smooth, and the water ecosystem is relatively complete. In terms of air quality, because it is located in a mountainous area, the air is fresh

and the content of negative oxygen ions is relatively high, which is beneficial to the health of residents and ecological balance. However, with the gradual rise of sports tourism, some ecological and environmental problems have gradually emerged. The increase in tourist traffic may put some pressure on the soil, especially in areas where scenic spots are concentrated. At the same time, excessive tourist activities may have some potential impacts on aquatic ecosystems, such as garbage pollution and changes in water quality. Therefore, monitoring and management of the ecological environment is imperative. In order to protect the ecological environment of the Kanglu - Xin Integrated Ring Line, it is necessary to take a series of sustainable protection measures. This includes strengthening tourist education, advocating environmental protection concepts, and establishing reasonable tourist passages to minimize interference with the natural environment. In addition, a complete monitoring system should be established to grasp the dynamic changes of the ecological environment in real time and take effective measures in a timely manner to ensure that the ecological environment of the Kanglu- Xin Integrated Ring Line can maintain sustainable development while developing sports tourism.

2. Sports Tourism Resources and Facilities

2.1 Overview of Existing Sports Tourism Resources

The Kanglu - Xin Integrated Ring Area has rich and colorful sports tourism resources, forming a fascinating tourism experience. First of all, the unique geographical conditions make the place an ideal destination for outdoor sports activities. The undulating mountains and rippling lakes provide a wealth of options for hiking, mountain climbing, cycling and other sports enthusiasts. The natural landscapes along the way, such as blue sky, white clouds and clear rivers, provide sports tourists with an excellent sports environment. Secondly, the Kanglu - Xin Integrated Ring Line has rich natural ecological resources, including virgin forests, wetlands and grasslands. These natural landscapes create rich venues for sports tourism, and tourists can enjoy various outdoor activities in the natural environment. Especially against the backdrop of lakes and mountains, sports and nature are integrated, allowing experiencers to immerse themselves in the embrace of nature. Among the existing sports tourism resources, the Kanglu - Xin Integrated Ring Line also has rich cultural resources, such as ancient folk villages and traditional handicrafts, providing tourists with a rich cultural experience. These unique cultural elements blend with sports tourism to bring tourists a unique and unforgettable journey.

Taken together, the sports tourism resources of the Kanglu -Xin Integrated Ring Line show diversity and richness, providing tourists with a full range of experiences. This unique combination of resources will attract more tourists and promote the sustainable development of regional sports tourism.

2.2 Sustainable Utilization of Sports Tourism Resources

The sustainable utilization of sports tourism resources is a key aspect of the development of the Kangluxin Integrated Ring. First of all, it is necessary to pay attention to ecological environment protection when developing sports tourism projects to avoid irreversible damage to natural landscapes and biodiversity. When planning and building sports facilities, environmental sensitivity must be fully

considered, and sustainable construction and management measures must be adopted to ensure that the ecological balance is not destroyed. Secondly, the sustainable use of sports tourism resources needs to be combined with the development needs of local communities to ensure a balance of interests between tourists and local residents. By promoting the development of local industries and cultivating sports tourism-related service industries and cultural industries, sports tourism can become a strong support for the local economy. At the same time, we actively carry out interaction between sports tourism and local residents, promote cultural exchanges, strengthen community cohesion, and achieve resource sharing.

In the process of sustainable utilization, it is necessary to strengthen the scientific management and monitoring of sports tourism resources. Regularly evaluate the utilization of resources and adjust development strategies to ensure sustainable growth of tourism while maintaining the natural ecology. Through scientific management, we can better balance the development of sports tourism and environmental protection, ensure the long-term sustainable use of resources, and achieve win-win economic, social and ecological benefits. This concept of sustainable utilization will provide a solid foundation for the development of sports tourism in the Kangluxin Integrated Ring Line.

2.3 Economic Benefits of Sports Tourism

As a diversified economic industry, sports tourism not only directly creates a large number of job opportunities and promotes the prosperity of related service industries, but also has a profound impact on the local economy. The holding of sports tourism activities attracts a large number of tourists and promotes the prosperity of local businesses, involving catering, accommodation, retail and other fields, which in turn drives the overall growth of the local economy. In addition, sports tourism activities have also become an important way to build and promote local brands, enhancing the visibility and image of the region and attracting more investments and tourists. Through the construction and upgrading of infrastructure, sports tourism has further improved the living conditions of local residents and laid a solid foundation for sustainable social and economic development. In summary, the economic benefits of sports tourism are not only reflected in short-term direct benefits, but also in the long-term promotion of comprehensive local development.

3. Sustainable Development Strategies and Suggestions

3.1 Assessment of Existing Development Models

The Kangluxin Integrated Ring Line has achieved certain results, but it also faces some challenges and problems. First of all, from an economic perspective, sports tourism has brought considerable economic benefits to the local area, promoted the prosperity of related industries, and increased employment opportunities. However, existing business models may suffer from over-reliance on seasonal tourism and certain specific activities, resulting in unstable economic benefits. In terms of social culture, sports tourism activities promote the inheritance and diversification of local culture and strengthen community cohesion. However, there are still some gaps in promoting social equity and inclusion, and some groups may not fully share the dividends brought by sports tourism. From the perspective of environmental

sustainability, the existing development model has impacted the ecological environment to a certain extent. Too many tourists, over-development and poor management may lead to some ecological problems, such as ecological damage to scenic spots and over-utilization of resources.

3.2 Eco-friendly Sports Tourism Planning

In order to ensure the sustainable development of Kanglu - Xin integrated ring sports tourism, this study proposes an eco-friendly planning strategy. First, ecological protection zones will be designated to specifically protect environmentally sensitive areas and key ecosystems to limit over-development. Secondly, by formulating a sustainable land use plan, the sports tourism area is reasonably divided into different functional areas to ensure that ecological balance is fully considered in tourism development. Intelligent transportation system planning is a key link to optimize the flow of tourists and reduce the negative impact of transportation on the ecological environment. At the same time, a resource recycling plan should be formulated to minimize resource waste during the construction and operation of tourism facilities and promote the effective use of energy and water resources. Ecological education projects should also be introduced to improve tourists' awareness of the ecological environment and inspire them to participate in environmental protection actions. Through sports tourism activities, local cultural traditions are inherited and promoted, making eco-friendly sports tourism planning the sustainable development engine of the Kangluxin Integrated Ring.

3.3 Reasonable Utilization of Resources

In order to achieve sustainable development of sports tourism, a strategy of rational utilization of resources must be adopted. First, establish a comprehensive resource survey and evaluation mechanism to clarify the sports tourism resources of the Kanglu - Xin Integrated Ring Line, including natural landscapes, cultural heritage, and sports facilities. Secondly, formulate a clear development plan, rationally plan the use of resources, and ensure that development projects are coordinated with the ecological and cultural characteristics of the area. Encourage the use of renewable energy, reduce dependence on non-renewable resources, and promote the application of green energy in sports tourism. Guide enterprises to adopt advanced energy-saving technologies and reduce energy waste. Through strategies for rational utilization of resources, sports tourism can be ensured to maximize the protection of the environment and cultural heritage while meeting demand.

3.4 Cultural Inheritance and Integration

The sustainable development of sports tourism requires attention to the inheritance and integration of local culture. First, formulate relevant policies to protect and inherit the unique cultural heritage of the Kangluxin Integrated Ring Area, such as traditional arts, handicrafts, etc., and incorporate them into the overall planning of sports tourism. Secondly, encourage the integration of sports tourism activities with local culture, such as adding local traditional elements to events, holding cultural exhibitions and performances, etc. Promote local residents to participate in sports tourism projects, promote local culture, and enhance residents' sense of cultural identity. Through the strategy of cultural inheritance and

integration, the attraction of sports tourism can be enhanced while promoting the prosperity of regional culture.

4. Conclusion

This study deeply explores the ecological foundation, resources and facilities of Kanglu - Xin integrated ring sports tourism, as well as key issues of sustainable development. The main research findings include: first, the geographical characteristics and climatic conditions of the Kanglu - Xin Integrated Ring Line provide a rich natural foundation for sports tourism, but there are some challenges in the current ecological environment, which require scientific management and protection; secondly, the existing sports tourism resources The overview shows that Kanglu has abundant outdoor sports and sports facilities, which provides a solid foundation for attracting tourists; finally, the sustainable use of sports tourism resources needs to promote the balance of local economic development and social and cultural exchanges on the premise of protecting the ecological environment. Looking forward to the prospects of sustainable development, we believe that under scientific planning and management, sports tourism on the Kangluxin Integrated Ring Road is expected to achieve considerable development. By strengthening ecological environmental protection, rationally developing sports tourism resources, and promoting the diversified development of the local economy, a virtuous cycle of sports tourism and sustainable development can be achieved. This will not only help increase the area's visibility and attractiveness, but also provide more employment opportunities and cultural experiences for local residents. We should also pay attention to the limitations of the research, such as insufficient in-depth exploration of some specific issues. Future work can be carried out from aspects such as strengthening ecological environment monitoring and in-depth research on the impact of sports tourism on local culture, so as to more comprehensively promote the sustainable development of Kanglu- Xin integrated ring sports tourism. This research will provide experience for the development of sports tourism in similar areas and promote the dissemination and practice of sustainable development concepts.

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