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High-quality Development Evaluation System of Water Parks

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Abstract Based on the connotation of high-quality development of water parks, this study established an evaluation system from distinctive water conservancy characteristics, excellent ecological environment, strong cultural atmosphere, strong development momentum, safe and efficient management, and significant comprehensive benefits, including 23 main contents and 52 evaluation indicators. Delphi method was used to score, and the evaluation results were divided into 3 levels, thus forming the evaluation system of high-quality development of water parks. This evaluation system has been preliminarily applied to the collection and selection of typical cases of the first national high-quality development of water parks. A total of 30 typical cases of high-quality development of water parks in China were collected and selected, and the first batch of 10 benchmark scenic spots were announced for key recommendation, and considerable application results have been achieved.

Key words Water parks, High-quality development, Main characteristics, Evaluation system

1 Introduction

The report of the 19th National Congress of the Communist Party of China pointed out that "China's economy has transformed from a stage of high-speed growth to a stage of high-quality development, and is now in a critical period of transforming development methods, optimizing economic structure, and transforming growth drivers"^[1]. High-quality development is the theme of development in the new era and the basic requirement of China's economic development rules and development orientation, involving reform and development of development concepts, development methods, industrial structure, ecological environment, coordinated development, *etc.* It has become the development direction and strategic deployment of all walks of life. Since promoting the construction of the first batch of national water parks in 2001, there are 19 batches of 902 national water parks, and thousands of provincial water parks, achieving huge comprehensive benefits. The construction of water parks closely follows the national policy guidance and helps economic and social development. It is a practice area to achieve the goal of "double reduction" and an important way to build happy rivers and lakes. Promoting high-quality development of water parks is an important measure to implement Xi Jinping's thought on ecological civilization and building a beautiful China. It is an important starting point to promote the recovery of the ecological environment of rivers and lakes and maintain the health and beauty of rivers and lakes. In addition, it is an effective way to inherit and promote water culture, provide high-quality aquatic ecological products and services, and meet the people's ever-growing needs for a better life. Many scholars have constructed the evaluation system of China's high-quality economic and social development from various perspectives. Taking the new

development concept as the center, Zheng Yaoqun *et al.*^[2] constructed a comprehensive evaluation system for the high-quality development of China's economy, and analyzed the measurement and spatial characteristics of China's high-quality economic development level. Lu Jitong^[3] established a high-quality development evaluation system from the macro, meso and micro levels. Lu Bangke *et al.*^[4] studied the high-quality development of China's economy and society, and built an evaluation system from four aspects: innovation development, people's livelihood development, ecological civilization, and economic growth, which had reference significance for the construction of a high-quality development evaluation system. Building a high-quality development of water parks evaluation system is conducive to promoting high-quality development of water parks and promoting greater ecological, social and economic benefits of water parks, and has certain reference significance for exploring the high-quality development of national parks and nature reserves. Taking water parks as an example, based on the connotation of high-quality development of water parks, using Delphi method, combined with the actual work of water parks, we established a high-quality development of water parks evaluation system in order to provide reference and reference for high-quality development of water parks.

2 Connotation of high-quality development of water parks

In the opinion of Chi Fulin^[5], high-quality development is the essence of implementing new development concepts, establishing a modern economic system, and realizing people's needs for a better life; Zhao Jianbo *et al.*^[6] stated that high-quality development is the development that better meets the people's growing needs for a better life. Du Aiguo^[7] believed that high-quality development is a development based on innovation as the primary driving force, coordination as the endogenous feature, green as the universal form, openness as the only way, and sharing as the fun-

damental purpose. Wei Wenjiang *et al.*^[8] held that high-quality development is the fundamental purpose of satisfying the people's better life, conforms to the new development concept, and realizes the comprehensive development of the "three major changes". In summary, high-quality development is based on the new development stage, implements new development concepts, always adheres to the people-centered approach, meets the people's needs for a better life, deepens reform and innovation, and achieves green and sustainable development. The People's Forum Research Group^[9] contended that high-quality development of water parks means that the construction, management and development of water parks must be based on the people's growing needs for a better life, the needs of economic and social development, and the requirements of relevant laws and regulations. Zhang Qi *et al.*^[10] thought that high-quality development of water parks includes five elements: lasting water security, beautiful water environment, advanced water culture, modern water management, and happy water life. Niu Yuguo^[11] proposed to implement three great works of ecology, culture, and integration, promote the high-quality development of water parks in the Yellow River Basin, and provide sup-

port and guarantee for the development of the Yellow River Basin. Based on the practice and achievements of water park construction in Jiangsu Province, Zhang Jinsong^[12] put forward the ideas and measures of high-quality development of water parks, to promote the high-quality development of water parks in Jiangsu Province. Many experts and scholars conducted in-depth discussions on high-quality development of water parks. The competent authorities of water parks in various places actively combined the actual situation of the development of local water parks to study and propose ideas and measures for high-quality development of water parks. With reference to relevant research achievements and the work practice of water parks, we believed that high-quality development of water parks is based on building happy rivers and lakes around the people, adhering to Xi Jinping's ecological civilization thought, coordinating development and safety, and strengthening the development of collaborative innovation. It should have six main characteristics: distinctive water conservancy characteristics, excellent ecological environment, strong cultural atmosphere, strong development momentum, safe and efficient management, and significant comprehensive benefits (Fig. 1).

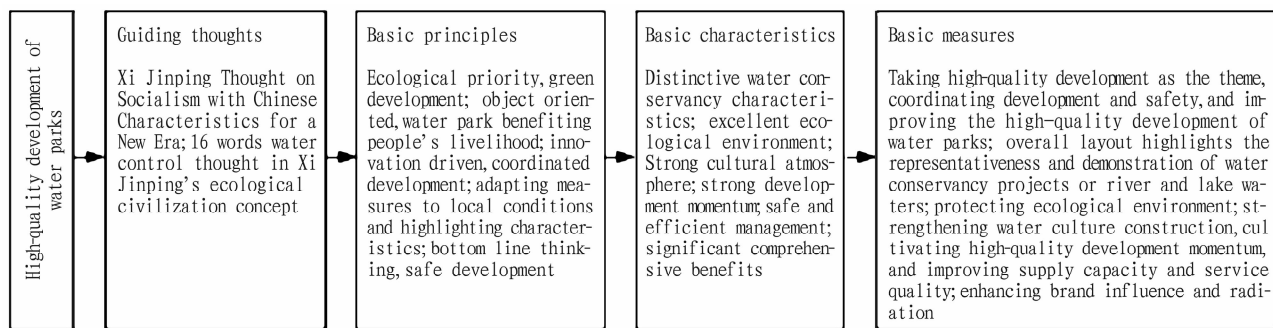


Fig. 1 Path for high-quality development of water parks

3 Construction of evaluation system

3.1 Construction principle The *Evaluation Standard of Water Parks* (SL 300-2013)^[13] and the *Revised Proposal Draft for Evaluation Standard of Water Parks* reflect the characteristics of water parks. As an important basis for the identification of water parks, it is conducive to standardizing the construction, utilization, protection and management of water parks, and promoting the standardization and construction of water parks. The high-quality development of water parks evaluation system is not only an evaluation of the development status of water parks, but also a reflection of the innovative measures and comprehensive effects of water parks in high-quality development. On the whole, the construction of the evaluation system for high-quality development of water parks should consider the following principles.

(i) The evaluation system should be coupled with the inherent requirements of high-quality development. The high-quality evaluation system of water parks should be based on the new development stage, implement the new development concept, and meet the deployment requirements of the Ministry of Water Resources on promoting the high-quality development of water conservancy, con-

form to the basic connotation of high-quality development of water parks, and consider innovative measures and comprehensive results in the process of high-quality development of water parks.

(ii) The evaluation system should have certain flexibility^[14]. The connotation of high-quality development of water parks has been basically determined. However, with the development of economy and society, the focus and depth of high-quality development of water parks will change. While constructing the evaluation system around the characteristics of high-quality development of water parks, each evaluation item should have certain flexibility.

(iii) The evaluation system should be comprehensive, practical and operable. The construction of the evaluation system should try to cover all the contents of high-quality development of water parks, while taking operability and practicability into consideration. The setting of the criterion hierarchy should include characteristics of high-quality development of water parks. If too few indicators are selected, it cannot reflect the content of high-quality development of water parks. If too many indicators are selected, it is not conducive to the evaluation and use in the actual operation process, and the effect is not good. Therefore, the construction of

the evaluation system should be combined with actual work, fully consider the needs of all parties, and extract and refine representative indicators on the premise of ensuring the evaluation objectives.

3.2 Evaluation methods Commonly used evaluation methods include analytic hierarchy process (AHP), entropy value method, and fuzzy evaluation method. Li Zhaodong *et al.*^[14] used AHP process to evaluate economic responsibility audits and evaluate the performance of leading cadres to promote high-quality economic development. Using the subjective weighting method and the comprehensive index method, Qi Di *et al.*^[15] evaluated the high-quality development level of the grain industry. Kang Lu *et al.*^[16] evaluated the high-quality development of Shanghai's sports industry by using benchmark value comparison method and obstacle degree model. Tian Lijun *et al.*^[17] introduced the entropy method into the evaluation system of high-quality development of airlines. Quantitative evaluation methods such as AHP and fuzzy evaluation method have certain advantages in solving some complex problems and weight calculation. However, the evaluation indicators of high-quality development of water parks are mostly qualitative indicators, and high-quality development of water parks is a dynamic process, which is affected by many factors such as politics, economy, society and culture. Therefore, we used the Delphi expert scoring method to evaluate high-quality development of water parks. The Delphi expert scoring method is conducive to meeting the new requirements in different situations, and facilitates the effective adjustment of high-quality development indicators according to the actual situation. Therefore, it is applicable to the evaluation of high-quality development of water parks in different regions or types, and meets the practical requirements of high-quality development of water parks evaluation and national water parks review.

3.3 Indicator system The *Evaluation Standard of Water Parks* (SL 300-2013) elaborated the definition of water parks, and set indicators from the landscape resource evaluation, development and utilization condition evaluation, environmental protection evaluation, and management evaluation, and clarified the water parks certification level standards. The evaluation objects of the high-quality development evaluation system are national water parks. Its basic conditions should meet the level requirements of water parks evaluation standards. The evaluation indicators cover a wide range, new content, and strong orientation. It is based on the problems faced in the development of water parks in recent years and the construction results, the main functions of water conservancy, the construction of water culture science and other content, the requirements for water ecology, water culture and management have been improved, and the national strategy and the latest policies of the water conservancy department have been closely linked.

From the basic connotation of high-quality development of water parks, in line with related requirements of Management Measures for Water Parks, with reference to the *Evaluation Standard of Water Parks* (SL 300-2013), combined with the actual situation of water parks construction management, and seeking expert opinions in water conservancy, planning, culture, tourism, economy and other related fields, we established an evaluation system for high-quality development of water parks, including 6 criterion hierarchies (distinctive water conservancy characteristics, excellent ecological environment, strong cultural atmosphere, strong development momentum, safe and efficient management, and significant comprehensive benefits), 23 main contents, and 52 evaluation indicators, as indicated in Table 1.

Table 1 Evaluation indicator system for high-quality development of water parks

Criterion hierarchies	Evaluation contents	Number of evaluation indicators	Score points
Distinctive water conservancy characteristics	Relying on the representativeness of water conservancy projects or river and lake waters	1	15
	Relying on demonstration of water conservancy projects or river and lake waters	1	
Excellent ecological environment	Water quality	1	15
	Water and soil loss control rate	1	
	Forest coverage	1	
	Ecological landscape	4	
	Biodiversity	2	
Strong cultural atmosphere	Water culture and water science popularization hardware facilities conditions	3	15
	Water culture and water science popularization education activities	4	
Strong development momentum	Development planning guarantee	2	20
	Development investment guarantee	3	
	Characteristics of development resources	1	
	Development policy support	4	
	Multi-format development model	1	
	Professional team of development	2	
	Safe and efficient management	Clear responsibilities and scope	
	Safe operation and management	3	
	Green and intelligent services	3	
Significant comprehensive benefits	Serving the implementation of major national strategies	1	20
	Improving the living environment and promoting green development	2	
	Improving people's sense of gain and happiness	4	
	Popularity and reputation	4	
	Public satisfaction	1	

3.3.1 Distinctive water conservancy characteristics. Water parks rely on water conservancy facilities, river and lake waters and their shorelines. Distinctive water conservancy characteristics are basic features of high-quality development of water parks. This evalua-

tion criterion (Table 2) includes two indicators with a total of 15 points, including the representativeness and demonstration of water conservancy projects and river and lake waters.

Table 2 Evaluation indicator content of distinctive water conservancy characteristics

Evaluation contents	Evaluation indicator contents
Relying on the representativeness of water conservancy projects or river and lake waters (max. 10 points)	Water parks rely on water conservancy projects or river and lake waters are typical and representative, and play a significant role in supporting economic and social development in flood control, water supply, power generation, soil and water conservation, and water ecological restoration; representative at national level (10 points); at the river basin (8 points); at provincial level (5 points)
Relying on demonstration of water conservancy projects or river and lake waters (max. 5 points)	World irrigation engineering heritage (2 points); relying on the water conservancy project, winning the China Water Conservancy Project Quality (Dayu) Award (1 point); national first-level water conservancy project management unit (1 point); national water education base (1 point); national soil and water conservation science and technology demonstration park (1 point); national water conservancy civilization unit (1 point); national water system connectivity and beautiful water village construction pilot (1 point); typical cases of the Ministry of Water Resources piloting happy rivers and lakes or the Ministry of Water Resources fully implementing the river and lake chief system (1 point); green small hydropower demonstration power station of the Ministry of Water Resources (1 point); typical cases of the organic integration of water engineering and water culture in the Ministry of Water Resources (1 point); <i>List of the Most Beautiful Hometown River</i> by the Ministry of Water Resources (1 point); other relevant exemplary honors with characteristics of the water conservancy industry (1 point)

3.3.2 Excellent ecological environment. Water parks are a water conservancy practice that implements General Secretary Xi Jinping's thought on ecological civilization. Excellent ecological environment is the essential requirement of high-quality development of water

parks. The excellent ecological environment evaluation includes 9 indicators in 5 aspects of water quality, comprehensive control rate of soil erosion, forest and grass coverage rate, ecological landscape, and biodiversity, with a total of 15 points (Table 3).

Table 3 Evaluation indicator content of excellent ecological environment

Evaluation contents	Evaluation indicator contents
Water quality (max. 5 points)	According to the requirements of <i>Surface Water Environmental Quality Standard</i> (GB 3838-2002): water quality of the main water area meets the standard of Class I or II (5 points); water quality meets the standard of Class III (3 points); others (0 point)
Water and soil loss control rate (max. 2 points)	According to the requirements of <i>Regulation of Acceptance for Comprehensive Control of Soil Erosion</i> (GB/T 15773-1995): comprehensive control rate of water and soil loss is above 90% (2 points); 90% - 80% (1 point); below 80% (0 point)
Forest and grass coverage (max. 2 points)	The area of forest and grass accounts for more than 90% of the area suitable for forest and grass (2 points); 90% - 80% (1 point); below 80% (0 point)
Ecological landscape (max. 4 points)	The ecological flow in the park is effectively guaranteed (1 point); the natural coastline and pastoral scenery of the water area in the park are well protected (1 point); the water area protected by the park does not decrease or increase (1 point); the scenery of the scenic area is beautiful and harmonious (1 point)
Biodiversity (max. 2 points)	The park is rich and diverse in species, and the invasion of alien species is not obvious (1 point); through measures such as improving the water ecological environment and multiplying and releasing, reproduce the ecological indicator species in the water area (1 point)

3.3.3 Strong cultural atmosphere. Inheriting and promoting water culture is the main function that water parks need to play. Strong cultural atmosphere is the inner soul of high-quality development of water parks. The strong cultural atmosphere evaluation includes a total of 7 indicators in terms of water culture, water science popularization hardware facilities and educational activities, with a total of 15 points (Table 4).

3.3.4 Strong development momentum. Development momentum is the source of sustainable development of water parks, while strong development momentum is the fundamental guarantee for high-quality development of water parks. The strong development momentum evaluation includes 13 indicators in six aspects: devel-

opment planning guarantee, development investment guarantee, development resource characteristics, development policy support, multi-format development model, and professional team of development, with a total of 20 points (Table 5).

3.3.5 Safe and efficient management. Safety is the prerequisite for the development of water parks, efficiency is the basic attribute of high-quality development, and safe and efficient management is the key foundation of high-quality development of water parks. The safe and efficient management evaluation includes 9 indicators in 3 aspects: clear responsibility and scope, safe operation management, and green and intelligent service, with a total of 15 points (Table 6).

Table 4 Evaluation indicator content of strong cultural atmosphere

Evaluation contents	Evaluation indicator contents
Water culture, water science popularization hardware facilities (max. 8 points)	Water parks rely on the appearance design of water conservancy projects or the design of hydrophilic facilities on the shoreline of rivers and lakes, focusing on the integration of culture and aesthetics (2 points); water parks rationally arrange related facilities such as water culture exhibitions and water science education venues by making full use of existing water conservancy assets (excellent: 3 points; general: 1 point); water parks combine regional and cultural characteristics, use them according to local conditions or build new pavilions, venues, corridors, sculptures and other water culture exhibitions, water science popularization and education related facilities (excellent: 3 points; general: 1 point)
Water culture, water science popularization and education activities (max. 7 points)	Exploring and utilizing water cultural resources, carrying out protection and utilization of water conservancy heritage, preparing water culture dissemination books, and telling water stories well, conducting water cultural public welfare activities such as saving water, protecting water, and loving water at important time points such as World Water Day and China Water Week (2 points); exploring and utilizing water science resources, preparing water science books or products, setting up a science explanation system, displaying water conservancy technology and achievements, and using new technologies and methods to carry out water science popularization and education (2 points); arranging and carrying out brand activities such as water culture-themed festivals and competitions in combination with river basins, regional cultural history and scenic spots (1 point); holding 300 batches or more than 10 000 person-times annually for water culture popularization and research activities (2 points), 100–300 batches or 2 000–10 000 person-times annually (1.5 points), and 100 batches or less than 2 000 person-times (1 point)

Table 5 Evaluation indicator content of strong development momentum

Evaluation contents	Evaluation indicator contents
Development planning guarantee (max. 2 points)	The construction and development of water parks are included in the key tasks of the local "14 th Five-Year Plan" water security guarantee planning (1 point); effective connection between park construction planning and local land space planning and other related plans (1 point)
Development investment guarantee (max. 7 points)	Established a stable investment mechanism for government overall planning and multi-departmental integration development or a benign investment mechanism for social capital participation (3 points); established a circular investment mechanism for the direct operating income of the park or to drive the value-added of surrounding land, and the indirect income of industrial development to feed back the ecological public welfare of the park (1 point); continuously invested in water ecological restoration, water culture inheritance, and water leisure facilities in the past three years, and the annual scale has increased by more than 1.5 times (3 points), 1.2–1.5 times (2 points), and 1.0–1.2 times (1 point)
Development resource characteristics (max. 2 points)	Explored and used ecological, cultural, red and other characteristic resources, innovated and developed cultural and creative products, cultural tourism and other products, and formed sustainable green development industries (2 points)
Development policy support (max. 4 points)	Incorporated into the overall layout of local beautiful rivers and lakes, happy rivers and lakes, global tourism, and ecological civilization construction (1 point); incorporated into the assessment work system of the local river and lake chief system (1 point); incorporated into the scope of local ecological compensation policy (1 point); incorporated into key promotion projects related to high-quality development of local governments (1 point)
Multi-format development model (max. 3 points)	Explored and formed a "water conservancy + " multi-format innovative development model for science popularization, research, cultural tourism, sports, health care, agriculture, etc. (3 points)
Professional team of development (max. 2 points)	Established a professional management team covering water conservancy, ecology, cultural tourism, economics and other disciplines (1 point); established a professional operation team for market operation and brand promotion (1 point)

Table 6 Evaluation indicator content of safe and efficient management

Evaluation contents	Evaluation indicator contents
Clear responsibility and scope (max. 6 points)	The main body of the park management organization is clear, the job responsibilities are clear, and the management system is complete (2 points); established a management and operation mechanism that is led by water conservancy, coordinated by the government, and participated by multiple departments (2 points); the boundary range is clear, and the important node specifications use the "national water parks" logo and set up permanent signs or markers (2 points)
Safe operation management (max. 6 points)	The park relies on water conservancy projects or rivers and lakes in accordance with the law to determine the management scope, relies on project operation safety, relies on smooth and safe river flood discharge, and sets up necessary safety warnings for key parts and nodes in the scenic spot (2 points); tourist service facilities in the park meet the quality management requirements and are safe in operation, and emergency management plans have been formulated and drilled regularly (2 points); the park implements capacity control management based on water resources and other environmental carrying capacity; implements biodiversity protection measures; provides sewage treatment facilities in areas where service facilities are concentrated, and discharges after treatment reaches standards (2 points)

(To be continued)

(Continued)

Evaluation contents	Evaluation indicator contents
Green and intelligent service (max. 3 points)	The park promotes green services, uses green and low-carbon vehicles, water-saving technologies and products, and implements garbage classification and recycling (1 point); the park implements intelligent management and realizes data sharing and interoperability with the "water parks management service platform" (1 point); the park realizes basic intelligent services such as online reservation and ticket booking, QR code scanning to enter the park, intelligent parking, and intelligent navigation (1 point)

3.3.6 Significant comprehensive benefits. Significant comprehensive benefits are the goal requirements of sustainable development of water parks and the value embodiment of high-quality development of water parks. The evaluation of significant comprehensive benefits includes five aspects: serving major national strate-

gies, improving living environment, stimulating economic development, enhancing people's sense of gain and happiness, popularity and reputation, and public satisfaction, with 12 indicators, a total of 20 points (Table 7).

Table 7 Evaluation indicator content of significant comprehensive benefits

Evaluation contents	Evaluation indicator contents
Serving major national strategies (max. 4 points)	The construction and development of the park are integrated into the implementation of major national strategies such as the development of the Yangtze River Economic Belt, the construction of the Guangdong-Hong Kong-Macao Greater Bay Area, and the construction of the Grand Canal Cultural Belt to promote local high-quality development (4 points)
Improving living environment, stimulating green economic development (max. 4 points)	The park construction improves the living environment in urban and rural areas, and enhances the appearance of villages (excellent: 2 points; general: 1 point); the park development helps the revitalization of the countryside, drives the value-added of surrounding land, and stimulates the development of regional green industries (excellent: 2 points; general: 1 point)
Enhancing people's sense of gain and happiness (max. 4 points)	The park is equipped with water-friendly platforms, greenways, waterfront parks and other water-friendly facilities, which meet the reasonable water-friendly needs of the local people, become a leisure and recreation place for the surrounding people, and improve the ecological welfare of residents (1 point); the park provides jobs for the local people (1 point); residents around the park actively participate in the protection of rivers and lakes or the supervision and management, such as cultivating water protection volunteers, civil river chiefs, <i>etc.</i> (1 point); the park provides inclusive benefits and convenience for flood relief, soldiers, medical workers, model workers, and students (1 point)
Improving popularity and reputation (max. 6 points)	Brand promotion efforts: set up the official website of the scenic spot (1 point); establish official accounts on new media such as Douyin, Weibo, WeChat, <i>etc.</i> , and regularly issue video information of the park (1 point); news media attention: national media (1 point), other media below the provincial level (0.5 points); receiving tourist groups; international tourists (1.5 points), inter-provincial tourists (1 point), local tourists (0.5 points); tourism service reputation: 5A-level tourist attractions (1.5 points), 4A-level tourist attractions (1 point)
Improving public satisfaction (max. 2 points)	High public satisfaction, low tourist complaint rate, no major negative public opinion (2 points)

3.4 Classification of evaluation results In the 2021 video conference on water parks construction and management work, it was clearly required to organize the collection and promotion of typical national water parks cases, and select a batch of high-quality

water parks. The evaluation indicator system had a full score of 100 points, combined with typical case collection and promotion practice, the evaluation results are divided into three levels: I, II, and III (Table 8).

Table 8 Evaluation levels of high-quality development of water parks

Score//points	Level	Description
≥90	I	Meeting the basic conditions for key promotion of typical cases of high-quality development
70-90	II	Meeting the basic conditions of typical cases of high-quality development
≤70	III	Not meeting the basic requirements for high-quality development

4 Conclusions

In this study, we sorted out the current research situation of high-quality development of water parks. From the connotation of high-quality development of water parks, we studied the evaluation system of high-quality development of water parks. We established an evaluation system from 6 hierarchies (distinctive water conservancy characteristics, excellent ecological environment, strong

cultural atmosphere, strong development momentum, safe and efficient management, and significant comprehensive benefits), including 23 main contents and 52 evaluation indicators. The indicator system was assigned with 100 points, and the evaluation results were divided into three levels: I, II, and III. The high-quality development of water parks is a systematic, overall, complex and long-term project. Relevant theoretical research is still in the ex-

ploratory stage, and there are certain differences in the understanding of high-quality development of water parks and its important evaluation indicators. Therefore, the construction of its evaluation system is also an innovative and exploratory research. This evaluation system has been preliminarily applied to the collection and selection of typical cases of the first national high-quality development of water parks. A total of 30 typical cases of high-quality development of water parks in China were collected and selected, and the first batch of 10 benchmark scenic spots were announced for key recommendation.

On July 28, 2022, the Water Parks Construction and Management Leading Group Office of the Ministry of Water Resources and the China Agriculture Film and Television Center (CAFTC) jointly held the first national high-quality development of water parks typical case conference in Beijing. Hongqi Canal in Linzhou, Henan, Erhuang River in Bayannaer, Inner Mongolia, Jiangtan in Wuhan, Hubei, Mulanpi in Putian, Fujian, Lougang, Taihu Lake in Zhejiang, Jianguo Water Conservancy Project in Jiangsu, Hancheng Lake in Xi'an, Shaanxi, Dishui Lake in Pudong New District, Shanghai, Guanmen Mountain in Benxi, Liaoning, and Zhuquan Village in Yi'nan, Shandong were promoted at the conference, which provided a model demonstration for the national high-quality development of water parks, and showed the new style and experience of water parks in the new development stage. These typical parks actively practice the concept of "lucid waters and lush mountains are invaluable assets" by exploring the integrated development model of "water conservancy + " popular science research and culture, tourism, agriculture and health. They adhere to the people-centered development idea, and have achieved remarkable results in restoring healthy water ecology, building a livable water environment, promoting advanced water culture, developing a beautiful water economy, inheriting red genes, and helping rural revitalization, and have characteristics of distinctive water conservation characteristics, excellent ecological environment, strong cultural atmosphere, strong development momentum, safe and efficient management, significant comprehensive benefits. They are vivid practice of Xi Jinping's ecological civilization thought and have high reference value. This evaluation system will be further applied to the collection and selection of typical cases of national high-quality development of water parks during the 14th Five-Year Plan period, using theory to guide practice, discovering and solving problems in practice, so as to improve the evaluation theory research, promote high-quality development of water parks, effectively maintain the healthy life of rivers and lakes, and meet the needs of the people for high-quality aquatic ecological products and services.

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