

# GGN- Geopark Annual Report 2022

## 1. Identity

### Name, County, Region

Leye-Fengshan UNESCO Global Geopark, China, APGN

**Year of designated / Year of last revalidation:** 2010, 2018

### Representative pic:



The Major Annual Events- On the morning of May 9th, a transfer ceremony of the fossil specimens donated by the Institute of Karst Geology of the Chinese Academy of Geological Sciences and the UNESCO International Center for Karst Research to the Leye-Fengshan UNESCO Global Geopark Museum was held in the lobby of Museum. The donation is of great significance for raising the reputation of Leye county and the tourism of Leye and enriching the items and specimens of the Museum. The donation also enhances the pluralization of science of the geopark.

## 2. Geopark's Data

Staff: 42 employees, including 2 geologists

Number of visitors: 2,947,900

Number of activities: 5

(1) On April 22nd, also known as the Earth Day, Leye-Fengshan UGGP has launched a science educational campaign with the theme of “Cherishing the Earth and promoting harmony between man and nature” . More than 4,000 copies of publicity brochures and leaflets have been distributed to schools and villages during the event. More than 40 pictures of Sister Parks, more than 20 pieces of display board with science knowledge and more than 10 banners were shown on-site.

(2) Science and Technology Week 2022. From May 21st to June 10th, the Leye-Fengshan UGGP launched a series of activities of eco-environmental popularization of science, including the International Day for Biological Diversity, the World Environment Day, the Cultural and Natural Heritage Day. On June 2nd-6th, the Geopark jointly carried out various publicity activities at Leye County Cultural Square and Baise Peninsula Park with dozens of other departments, including the Baise and Leye County Ecological and Environmental Protection Committees. During the event, more than 3000 copies of geo-heritage protection manuals, biodiversity leaflets and over 2000 eco-friendly shopping bags were distributed to the public. The event covered a wide range from government departments to communities. A total amount of 15,000 copies of publicity materials were distributed and 35 questions on geoparks were answered on-site.

(3) Summer practical activities. From July 30th to August 10th, the Management Committee of Leye-Fengshan UGGP and Institute of Karstic geology, Chinese Academy of Geological Sciences jointly organized teachers and students from Guangxi Normal University, Hainan University, Hainan Normal University, Nanjing Agricultural University, Nanning Normal University and other universities to conduct summer education and practice activities on the theme of “Ecosystem Biodiversity Survey” in Leye-Fengshan UGGP. By collecting plant and soil samples at different succession stages, teachers and students analyzed and studied the plant functional properties, the soil nutrient cycling and the biome changes and their coupling relationships. The result of the study provides theoretical support for systematic assessment of regional eco-environmental effects.

(4) National Popular Science Day. During the national science popularization day, the

Leye-Fengshan UGGP, together with dozens of departments in Baise and Leye County, jointly launched a science popularization campaign with the theme “Welcoming the 20th National Congress, spreading science to the future” at the Baise Science and Technology Museum and Leye County Cultural Square. Through displaying of science pictures, banners, hosting popular science knowledge contest and distributing materials, the geopark showed the knowledge of evolution of the Earth, the formation of geology, the importance of environmental protection and other science knowledge to the public. The activity distributed more than 2000 copies of all kinds of publicity materials and brochures. The members of the geopark also conduct on-site consultation which has answered questions from more than 200 people. The geopark has launched other activities, which are called “Entering the campuses”, “Entering the communities” and “Entering the villages” to spread geological science in the main monument square of the geopark, the Babiao Primary School and Babiao village. A book donation ceremony with the theme of “Love Education, Love to read” was held in the Babiao Primary School which handing over picture books with geological knowledge and geological encyclopedia to the students.

(5) Academic research and practice activities. The geopark makes full use of the unique karst landscape, the biodiversity ecosystem, the historical folk customs and cultural resources to attracts many educational teams, research institutes and schools to carry out research and practice activities, which led young students to appreciate the unique geopark landscapes and cultural charm. Around the year of 2022, tens of thousands of young students from all over the nation were attracted to the Leye-Fengshan UGGP for study tours. The geopark has played an important role in enhancing the awareness of protecting ecological environment, geological relics and biological diversity.

**Number of school classes for Geopark education:** 5classes

**Number of news/messages released:**

15 pieces of news were released on GGN, 50 pieces of news were released on WeChat Official Accounts of the geopark and 42 pieces of news were released on Leye-Fengshan UGGp website [www.lyfsgy.com](http://www.lyfsgy.com).

### **3. Geopark’s activities**

## **Main achievements in 2022**

(1) In 2022, Leye-fengshan UGGP has also actively applied for a national base for eco-environmental science popularization after gaining several titles in 2021, including the Guangxi Zhuang Autonomous Region Research and Practical Education Base for Primary and Secondary School and the Guangxi Zhuang Autonomous Region Ecological and Environmental Science Popularization Base. The application was released for public review and received a recommendation by the Autonomous Region's Department of Ecology and Environment. In September 2022, the park has completed an online assessment.

(2) Leye-Fengshan UGGP innovates approaches and channels of protection and management technology for national geoparks. It developed Fengshan National Geopark Information Management System and put into use, which provides information of the scope, location, functional zoning, distribution of geological relic sites, grade of protected areas and general situation of resources at any time and any place by using digital devices. The system is designed to realize the management of geoparks on digital devices and to achieve a more scientific way to manage Fengshan's karst national geopark .

(3)The preparation of re-evaluation in 2023 has been completed. In terms of hardware, the park has completed the upgrading of facilities in the Science Center, the Visitor Center and the Training Center, as well as the pillars of the geopark. The park has also placed new signage, updated old signage and implemented popular science publicity board. In terms of software, the information system has been improved. The geopark data base has been supplemented and improved in accordance with the new boundaries. The geological relic database has been established. The documents of Form A and Form B have been completed. The park has finally determined the route for re-validation .

## **Contribution to GGN--- Network activities & Participation**

(1) First online meeting with NON NUOC CAO BANG UNESCO Global Geopark, Vietnam. The Management Committee of Leye-Fengshan UGGP held the first online meeting with the Management Committee of NON NUOC CAO BANG UNESCO Global Geopark, Vietnam. The two sides had an in-depth exchange of views on forging further sister-park relations in

this meeting.

(2) Strengthening online communication and cooperation with domestic sister parks. On April 22nd , 2022, the Third Asia-Pacific Geopark Week, which is also called “Interaction of friendly sister park ” was jointly held by 21 geoparks on the Earth Day. On September 15th , 2022, Leye-Fengshan UGGP jointly held the 2022 national Popular Science Day and “Linkage of friendly sister geoparks ”with 22 geoparks. During the summer vacation from July to August, Leye-Fengshan UGGP jointly held the “Summer vacation promotion” activities with 20 geoparks, providing many favourable policies, such as discount on ticket and summer academic research tour.

(3) Attendance of the 7th Asia-Pacific Global Geoparks Network Seminar. On September 7th, the 7th Asia-Pacific Global Geoparks Network Seminar was held at Satun Global Geopark, Thailand. Leye-Fengshan UGGP, as part of the Asia-Pacific Global Geoparks Network, actively participated in the seminar online.

(4) Observing and learning. The Leye-Fengshan UGGP paid a visit to the Qinling Zhongnanshan UGGP and the Hexigten UGGP to exchange experience. The three parks has formed the relationship of sister parks and committed to work together to promote the sustainable development of the geoparks.

### **Finance status**

Leye-Fengshan UGGP has an independent budget and is responsible for preparing the annual budget. The fund mainly comes from the ticket and the superior special fund. At present, the financial situation of the park is stable due to the balance overall income and expenditure.

### **Geoheritages conversation**

(1) Increasing the protection and inspection of geologic relics. In 2022, more than 80 times of protecting inspections and investigations were carried out, with more than 230 personnel were on duty and 30 related problems were solved. The authority of the park has carried out on-site rectification and banned four times of illegal quarrying in the geopark. 18 rectification notices were issued for violations of the Provisions on the Protection and Management of Geological Relics, requiring relevant departments (responsible persons) to deal with the violations within

a schedule. At the same time, these departments (responsible persons) are required to cooperate with the relevant departments to carry out self-examination and self-correction .

(2) Establishing and improving the management system of protection and inspection . First, in the name of the county committee and the county government of Fengshan, the Leye-Fengshan UGGP released working plan, namely Grid management and work plan for the supervision and inspection of Fengshan Karst National Geopark . The plan was in accordance with the principle of “Territorial management, hierarchical responsibility, clear authority and comprehensive coverage”. The plan divided the area of park into three levels of grid to clarify the division of responsibilities among departments, townships and administrative villages. The plan also clarifies the key points of grid supervision and strengthening supervision. The plan requires the coordinator on village-level geological relics sites (protected areas) to inspect the sites once a month. Second, the Management Committee of Leye-Fengshan UGGP has issued three documents, “Work Plan for Protecting Inspection of the Management Committee of Leye-Fengshan UGGP of China ”, “Work Plan for Leye-Fengshan UGGP protecting inspection and rotating inspection ”, and “Management Plan for Leye-Fengshan Global Geopark of China”, to reinforce the joint inspection on a quarterly basis of the two parks .

(3)The Information Management System of Fengshan Karst National Geopark has gone into use. It marks the protection and management of Geoparks have been put into practice by digital means. This system is further improving the scientific protection level of geological relics .

#### **Sustainable tourism (Geo-tourism)**

Around 2022, Leye-Fengshan UGGP received 2,947,900 visitors, achieving a total tourism consumption of 3.083 billion yuan.

#### **Strategic partners**

The geopark has actively finished the preparation of reassessment under the assistance and cooperation of the Institute of Karst Geology, Chinese Academy of Sciences. And the

geopark has established cooperative relationships with relevant local departments, enterprises, hotels and travel agencies to jointly promote the development of tourism.

### **Publicity & Promotion activities**

(1) There were more than 80 messages or reports published or released in 18 major medias of the central government and 3 major medias of the autonomous region in 2022. These medias are at various levels, including Baise and Hechi local television channels, local newspapers, the park's website and public accounts, which has greatly improved the renown of the geopark tourism.

(2) The geopark has actively promoted propaganda on geo-cultural villages, which has received more than 1.2 million views on media platforms, such as Qiangguo, Xinhuanet.com and Southern Nature Magazine.

(3) Launching a series of promotional activities, such as “trip to Baise in winter”, “linkage of Business and tourism, consumption benefits people”, “Guangxi people’s trip to Baise”; Taking part in the series of joint promotion activities, such as “Guangxi March 3rd consumer festival”, “The locals’ trip to Hechi”, “The locals’ trip to Guangxi”, “China-Asean Expo 2022 tourism exhibition”, etc.

## **4. Contacts**

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