

韶关市丹霞山管理委员会

2019 ANNUAL REPORT OF DANXIASHAN UNESCO GLOBAL GEOPARK

1. GEOPARK IDENTITY

Danxiashan UNESCO Global Geopark, China, CGN

Year of inscription: 2004

Year of the last revalidation: 2016

Representative works:

(1) 2019 Guangdong Province Event of “Cultural and Natural Heritage • Spectacular Danxia” was held in June 2019. Meanwhile, the 1st Danxiashan Wild Plants Identification Contest was held. 1200 participants from 300 teams including representative forestry authorities, university teachers and students, the public, parents and children, etc. have taken part in the activities, experiencing beautiful ecology and acquiring plant knowledge. The events got wide attention and praise from the society.

(2) Shaoguan Danxia Landform Research Institute (SDLRI) was officially established in June 2019, and 15 people including Dr. Young Ng, the Chief Scientist of the Research Institute were hired to jointly promote scientific research and sustainable development of Danxiashan. 2019 Seminar of Danxiashan World Natural Heritage and Sustainable Development of UNESCO Global Geoparks were held as well.

(3) Workshop of Danxiashan · Science Popularization for UGGPs in China was held from June 12 to 13, 2019. Representatives from 28 UGGPs in China and 3 UGGPs abroad, over 200 experts from Chinese Academy of Geological Sciences, Sun Yat-sen University, East China University of Technology, China University of Geosciences

(Wuhan) and Shaoguan University have attended the workshop, discussing and sharing the experience and achievements of science popularization of Danxiashan.

(4) In July, 2019, Danxiashan UGGp was listed in the UNESCO Global Geopark Mentorship and Knowledge Exchange Program. 2 managers from Yangan-Tau Geopark of Russia had been trained in Danxiashan UGGp from November 11 to 24.



“Shaoguan Danxia Landscape Research Institute” was officially established in June 2019



Workshop of Danxiashan · Science Popularization for UGGPs in China was held from June 12 to 13

2. GEOPARK FIGURES

Number of geopark staff members: 455 staff members including 20 geoscientists

Number of visitors: 2,726,800

Number of geopark events: 300 science popularization events, 10 tourism and cultural events were organized by Danxiashan UGGp. 40 theme activities were organized jointly with other organizations or partners.

Number of schools / classes involving geopark educational program: In 2019, 500 teachers from more than 100 schools in Shaoguan or other cities of Guangdong Province carried out science popularization training in Danxiashan UGGp.

Number of press release: 11 pieces of news were released and adopted by CGN, 4 pieces of them were adopted by GGN.



Danxiashan Book Crossing Events Report

3. GEOPARK ACTIVITIES

Major achievements in 2019

- A series of influential activities on the theme of science and technology, culture, outdoor, tourism etc. have been held. More than 8,000 teachers and students from universities have participated in the 2019 National Engineering Robot Competition. 10,000 young people have participated "Love in Danxia, Love in Qixi Festival" Romantic Carnival; 12,000 people have participated in the 12th "Hiking through Danxiashan" Event; 3,000 people have participated in Danxiashan International Marathon, 1,000 people have participated in Danxiashan Mountain Bike Race.
- Selected as the cooperative partner of UNESCO training program. Danxiashan UGGp was selected in the UNESCO Global Geoparks Mentorship and Knowledge Exchange Program in July, 2019, becoming one of the first batch of training bases of UGGps. Only 9 UGGps in the world were selected and Danxiashan UGGp is the only one in China.

- Continuously promoted the development of scientific mountain for Danxiashan. The three science popularization brands (Danxiashan Science Popularization Volunteers, China Danxia on Campus, Danxiashan Natural Academy) were continued to be developed in innovative ways. Danxiashan UGGp has become one of the first batch of "Science Popularization Towns in Guangdong Province", "Natural Education Bases of Guangdong Province", and "National Natural Education Bases". The achievements of developing the scientific mountain and the industrializiscience popularization have been widely appraised. Danxiashan UGGp is regarded as a model for natural education, field study and science popularization in China.
- The most beautiful rural tourism road, Yuedan Line, has been expanded to the south gate, southwest gate, west gate, and the middle gate of Danxiashan. The environment of rural areas along the Line have been enhanced. More than 20 villages got opportunities to develop tourism industries, benefiting more than 10,000 rural residents.

Contributions toward GGN

- In May 2019, at the invitation of National Center for Genetic Engineering and Biotechnology, Thailand, Chen Fang, Deputy Director General of Danxiashan UGGp and Dr. Young Ng, Scientific Adviser, attended the 2019 International Conference on Biodiversity and made presentations at the forum of UGGps. Received representatives from Mudungsan UGGp of Korea and UGGp Association of Hungary and arranged for their visits and exchanges.



Representatives of Danxiashan UGGp attended the 6th APGN Conference in Indonesia

- Representatives of Danxiashan UGGp attended the 6th APGN Conference in Indonesia and the events of Themed Promotion Day of China (Fangshan) Geopark in September 2019, attended the geofairs and making presentations during the events. Representatives attended the Annual Meeting of China (Dunhuang) UGGp in November and made presentations. On October 30, representatives attended the First International Forum on Nature Reservation · China and its Geofair of China UGGps.
- In May 2019, representatives attended the opening ceremonies of Dunhuang UGGp and Dabieshan UGGp of Huanggang. Received representatives from Jiuhuashan of Anhui Province, Dabieshan of Huanggang, Association for Geoconservation, Hong Kong, Shaanxi Geological Survey, China Geological Museum, etc.
- Applied for UNESCO Global Geopark Mentorship and Knowledge Exchange Program in May 2019 and selected by UNESCO in July. Finished the training of

the program for the two managers from Yangan-tau Geopark of Russia in November. Invited managers from geoparks of Thailand, Zigong UGGp and Dunhuang Yadan UGGp to attend the Danxiashan Science Popularization volunteers Training Camp in July, sharing the working experience of science popularization in geoparks.



Applied for UNESCO Global Geopark Mentorship and Knowledge Exchange Program in May 2019 and selected by UNESCO in July

Management and Financial Status

- The efficient management was determined to impose strict protection measures in the Geopark and had achieved targets of “zero tourists complaints”, “zero safety accidents”, “zero geological disaster” “zero geosites damage” and “zero environmental pollution” in 2019.
- Danxiashan UGGp had a well-balanced financial status and sound budget. Revenue were derived from ticket sale and profitable returns from investment by the Government of Shaoguan City and Guangdong Province.

Geoconservation and Bioconservation

- Unmanned Aerial Vehicle and wild-land firefighting aircraft were used to monitor and conserve the geopark.
- Conducted survey and evaluation of rock mass stability in Danxiashan UGGp, classified 45 hazardous rock masses in the open area and suggestions were made for further treatment. Carried out investigation of hidden danger in the core area of Danxiashan. Controlled the hazards of landslide along Xianglonghu Lake and landslide geohazards beside Yaoshan Power Station. Coped with emergency of geohazards of Niubi Village. The Geopark was safely operated in the whole year.
- Scientific research projects were carried out in the fields of geology, biology and cultural relics. Published *Danxiashan Geoscience Field Study Course* and *Danxiashan Butterfly Atlas*. Two new species, *Semiaquilegia danxiashanensis* (Ranunculaceae) and *Christisonia kwangtungensis* (Hu) were discovered and relevant papers were published. Investigated the bats throughout the Geopark.
- Installed forest fire prevention facilities including water source, water pipes and fire extinguishers, etc. All the staff have patrolled the forests to ensure biodiversity security of the Geopark.

Sustainable Development of Tourism (Geotourism)

- Carried out lighting project for the main gate of the Geopark. Special courses such as stargazing, firefly observation and night nature viewing were designed. Characteristic services for tourists were added.
- Duoshi Trail, Hailongfeng Trail, Field Study Trail from Ximeizhai to Yangyuanshi have been upgraded. A trail for entering the mountain and a riverside trail were built, separating visitors and vehicles. 1 new tourist toilet was built and 2 tourists toilets were upgraded.

New Education Programs of Geoconservation, Sustainable Development and Reducing Geohazards

Issued and implemented the *Overall Plan of Danxiashan Guangdong National Geopark, Guangdong Province (2017-2035)*, *Plan of Preventing and Controlling*

Thunder and Lightning Disasters of Danxiashan. Science popularization lectures were delivered in terms of preventing common climate disasters, forest fire and geohazards. Attention to climate changes and early-warning and emergency defense capabilities in response to natural disasters brought by climate changes were enhanced.

- Continued to develop the Danxiashan Science Popularization Town. Many professional science popularization tutors were cultivated and 27 science popularization lectures were designed and delivered in various places including Nanling Ecological Center and Meteorological Science Museum, etc. 120 public benefit activities of science popularization have been held. Xiafu Geological Cultural Village has been built. Over 300 science popularization activities have been held including Danxiashan Wild Plant Identification Contest, Scientific Knowledge Contest, the 1st Tik Tok Danxiashan Science Popularization Video Contest, Danxiashan Nature Observation Composition and Nature Note-taking Contest, the 4th Starry Sky Convention, Danxiashan Science Popularization Volunteers Training Camp, “Danxiashan: Spectacular Nature in the World” Book Crossing and Public Benefit Science Popularization Lectures, “Go through the Tropic of Cancer: Exploration of Guangdong Nature Reserve”, etc., attracting nearly a hundred thousand citizens to participate.



Graduate science courses

Strategic Partners

- Jiaying University, Shaoguan Education Administration, Guangzhou Yuechengzhang Teenager Development Center, Education Research Institute of Yangcheng Evening News, Teacher Continuing Education Society of Guangdong Province established field study bases in Danxiashan in 2019. About 10,000 students and teachers of 93 teams from over 20 universities including China University of Geosciences (Wuhan) and Sun Yat-sen University, etc. conducted field studies in Danxiashan UGGp.

Promotional Activities

- Prominent advertisements of Danxiashan UGGp and World Natural Heritage can be sighted at major railway stations of Shaoguan, Guangzhou South, Shenzhen North, Beijing West as well as Beijing International Airport. Danxiashan UGGp cooperated with 10 leading travel agencies including Guangzhilv Co., Ltd., China Traveller of Hong Kong Co., Ltd., to advertise on newspapers, social media and buses. The Geopark attended various tourism promotion activities, together with Shaoguan Administration of Tourism.



Danxiashan Science Popularization Volunteers Training Camp

- Series of activities related to “Danxiashan Cup” National Photography Exhibition, "Love in Danxia, Love in Qixi Festival" Romantic Carnival, the 12th "Hiking through Danxiashan" Event, Danxiashan International Marathon, Mountain Bike Race surrounding Danxiashan, etc. have been held.

4. CONTACTS

Person responsible for the report:

Chen Fang, Danxiashanaaaa@126.com, 398475377@qq.com

Geologist:

Su Dechen, 627079656@qq.com; Young Ng, 2901792603@qq.com



Danxiashan Administrative Committee, Shaoguan City

January 10, 202