

# GGN - Geopark Annual Report 2021

## 1. GEOPARK IDENTITY

**Geopark name, country, regional Network:** Wudalianchi UNESCO Global Geopark, P.R.China, Asia-Pacific Geoparks Network)

**Year of inscription / Year of the last revalidation:** 2004/ 2018

Representative photo with caption (from the most important event this year)



In April 2021, the Second APGN Week and "Friendly Sister Parks Interactive Exhibition" series of popular science activities (the 52nd Earth Day).



Visited Longhushan and Xiangxi Global Geoparks in April



Took part in the Forum and the Opening Ceremony held in Yimengshan Global Geopark



The Flowers and Food Way of Wudalianchi Global Geopark in May Day



Activities held in the International Museum Day



Wudalianchi UNESCO Global Geopark Museum was open to public in June



Held mineral spring forum in June



Held the 37<sup>th</sup> Holy Spring Festival in June



Longhushan UNESCO Global Geopark Visited Wudalianchi in June



Science Summer Camp in July



Science programme named *Earth Forged by Volcanoes* was played on CCTV



Outdoor science class of University of Science and Technology of China in July



The Autumn Festival was Open in Wudalianchi in Sep.



Students science programme *Travel with books* on CCTV

## 2. GEOPARK FIGURES

**Number of Geopark staffs:** 1733 staffs including 17 geoscientists

**Number of visitors:** 520 thousand person times in 2021.

**Number of Geopark events:** NINE.

- In April 2021, held a series of popular science activities in the Second APGN Week and "Friendly Sister Parks Interactive Exhibition" (the 52nd Earth Day).
- Held the Flowers and Food Way of Wudalianchi Global Geopark in May Day
- Held science activities in the International Museum Day
- Wudalianchi UNESCO Global Geopark Museum was open to public in June
- Held mineral spring forum in June
- Held the 37th Holy Spring Festival in June
- Held Activities in World Environment Day
- Organized Science Summer Camp in July
- Held Autumn Festival in September

**Number of school classes realize Geopark educational programmes:**

Cooperated with museum to open "Nature School", **six** hours regular teaching courses, mainly include the volcanic geology, earthquake disasters, mineral medicine, biology, ecology, cultural history, also set up a small volcano classroom, mineral spring class experimental science courses. Museum has collaborated with the school to write popular science textbooks such as Study Wudalianchi and The Scale of Volcano. Through two sets of VR and 44 sets of movies, volcanic eruption index experience, volcanic eruption small experiment and volcanic pumice experiment, let students feel the process of volcanic eruption closely, which has been popularized to more than 2,000 primary and secondary school students.

**Number of Geopark press release:** The Geopark website released 37 news in 2021. The official accounts in wechat released 665 news. The local TV released 313 news.

## 3. GEOPARK ACTIVITIES

**Major achievements in 2021**

- Organized annually many activities, such as Wudalianchi Volcano Holy Water Festival, Volcano International Marathon Race and New Year Climbing, etc.;
- Cooperated with universities at home and abroad, in which students join researching studies held in the Geopark.
- Discount tickets policies for pupils has been formulated and published by the Geopark, which encourage pupils, middle school students and college students to visit the park.
- Provided free publicity materials for teaching institutions such as poster foldout, Wudalianchi Scientific Expedition Guide and Wudalianchi Touring Guide, etc.

- Published promotion information such as pupil discount tickets through CCTV, Heihe TV, Wudalianchi Global Geopark TV and domestic magazines.
- Released preferential policies and related news of Geopark by the website of the park and cooperated organizations. Sent information through Wechat and Weibo, release preferential policies, encourage tourists to visit the Wudalianchi.
- Issued *Volcanic Scale and Study Tour in Wudalianchi* two research manuals, which have improved the functions of the park, enriched the knowledge of scientific research and popular science, and improved the quality of the park, laying a solid foundation for the revalidation of experts by UNESCO.
- Added new leaflets in five languages; updated the database, including more than 300 geological sites, basic data of animals and plants, etc.
- Updated and revised the Geopark website (English and Chinese Version);

### **Contribution towards GGN - Networking and participation**

- Went to Longhushan, Xiangxi and Yimengshan Geoparks to exchange experiences and attended seminar and monument opening ceremony in April 2021.
- During the second week of APGN 2021, the park cooperated with Yandangshan, Danxiashan, Lushan, Mt. Tai, Zhangjiajie and other 19 geoparks and Japan, Thailand, Vietnam geoparks organized "Friendly Sister Parks Interactive Exhibition" series of popular science activities.
- In May 2021, participated in the online science popularization training of Carbon Peak, Carbon Neutralization and Climate Change Education Exchange Salon for primary and secondary schools (China Ecological Science Popularization Tour "Building Ecological Civilization Home");
- Attended Digital Course on UNESCO Global Geoparks held in Lesvos, Greece.
- Attended the Geotourism Fest & International Conference, Rinjani Lombok Geopark, Indonesia, 2021;
- Attended the China's Project for International Year of Cave & Karst in Aug 2021;
- In Sep 2021, attended the APGN Network Exchange Meeting -Let's Do It;
- In Sep 2021, participated online geopark exchange meeting with Huanggang Dabieshan, Mesopotamia Geopark, CGN, Danxiashan, Shilin, Tianzhushan and Xiangxi Geoparks;
- In mid-December, representatives of Wudalianchi Global Geopark participated in the 9th Global Geoparks Congress held in Jeju Island online and gave a special report titled "Discussion on the Value of Monogenic Volcanoes in the Context of Unique Intracontinental Structure".

### **Management and Financial Status**

- Management body: Wudalianchi UNESCO Global Geopark Administration Committee
- Financial status: The Geopark achieved a good balance of payments and financial stability. In 2021, the Geopark received tourists 520,000 person times and tourism revenue reached 156 million yuan, increasing by 40% and 41% respectively.

## **Geoconservation**

- Completed the preparation, review and approval of the feasibility study report of the ecological service facility project of Wudalianchi Global Geopark and the ecological service facility project of Wudalianchi National Park.
- Completed the design scheme preparation and preliminary design preparation, review, evaluation and approval of Wudalianchi Geopark Tianchi ecological restoration project, and applied to the provincial department of finance for general bond funds.
- Formulated the Prevention and Control Plan for Geological Disasters in flood Season of 2021 and the Emergency Plan for Sudden Geological Disasters of 2021 for Wudalianchi National Park; According to the work requirements of the plan, the investigation and monitoring of the general rock and snow cave prevention and control points in Laohei Volcano Scenic Area are carried out regularly.
- Completed the financial and final accounts audit of the geological disaster exploration and control project of Jiangjun Rock collapse in Wudalianchi Geopark Laohei Volcano Scenic area.
- A total of 2.7 million yuan has been allocated from the central finance for the Forestry Grassland Wudalianchi National Nature Reserve project, and the government has completed the bidding for the purchase of protection facilities and equipment.

## **Sustainable tourism (Geotourism)**

- to design geotourism souvenirs themed on geoheritage, physical culture tourism, ice and snow culture, etc; to increase several travelling routes for volcano lovers. Agriculture and forestry: to protect the existing farm land and gradually restore economic forest to ecological or landscape forest.

## **New education programmes on geoconservation, sustainable development and disaster risk reduction**

The Geopark cooperated with Wudalianchi senior middle school, Wudalianchi junior middle school, Wudalianchi No. 1<sup>st</sup> primary school and No., 2<sup>nd</sup> primary school on giving “Science Knowledge Courses” and completing science popularization textbook “Close to Nature-Approaching Wudalianchi”. There are 10 parts in the textbook and 1033 students joint the 16 class hours.

## **Strategic partnership**

- Cooperated with Wudalianchi Volcano and Earthquake Monitoring Station on the study of Wudalianchi Volcanic Cluster deep structure and activity.
- Worked with Heilongjiang Hydrogeology and Engineering Geology Survey Bureau on studying the water and soil interaction in Micro-environment of Wudalianchi mineral water area.
- Worked with UNESCO-HIST, collecting dates of the climate changes and natural disasters timely, and detecting the area by satellite in the sky.
- Add display contents and design projects for the geological Museum of Wudalianchi Global

Geopark;

- Collaborated with University of Science and Technology of China, China University of Geosciences (Beijing), Jilin University, Heilongjiang Institute of Technology, Heilongjiang University, Northeast Forestry University and Heilongjiang Hydrogeology and Engineering Geology Survey Bureau carried out scientific research.

#### **Promotional activities**

The Geopark has promoted Wudalianchi ads. on CCTV radio, Heilongjiang TV station, mainstream media, newspapers and periodicals all the year round.

#### **4. CONTACTS**

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