

# Promotion of Diatomite New Building Material

Baishan City, Jilin Province, 2019



# Unique Geographical Location

City-wide Forest Tourist Area

Key Ecological Function Area

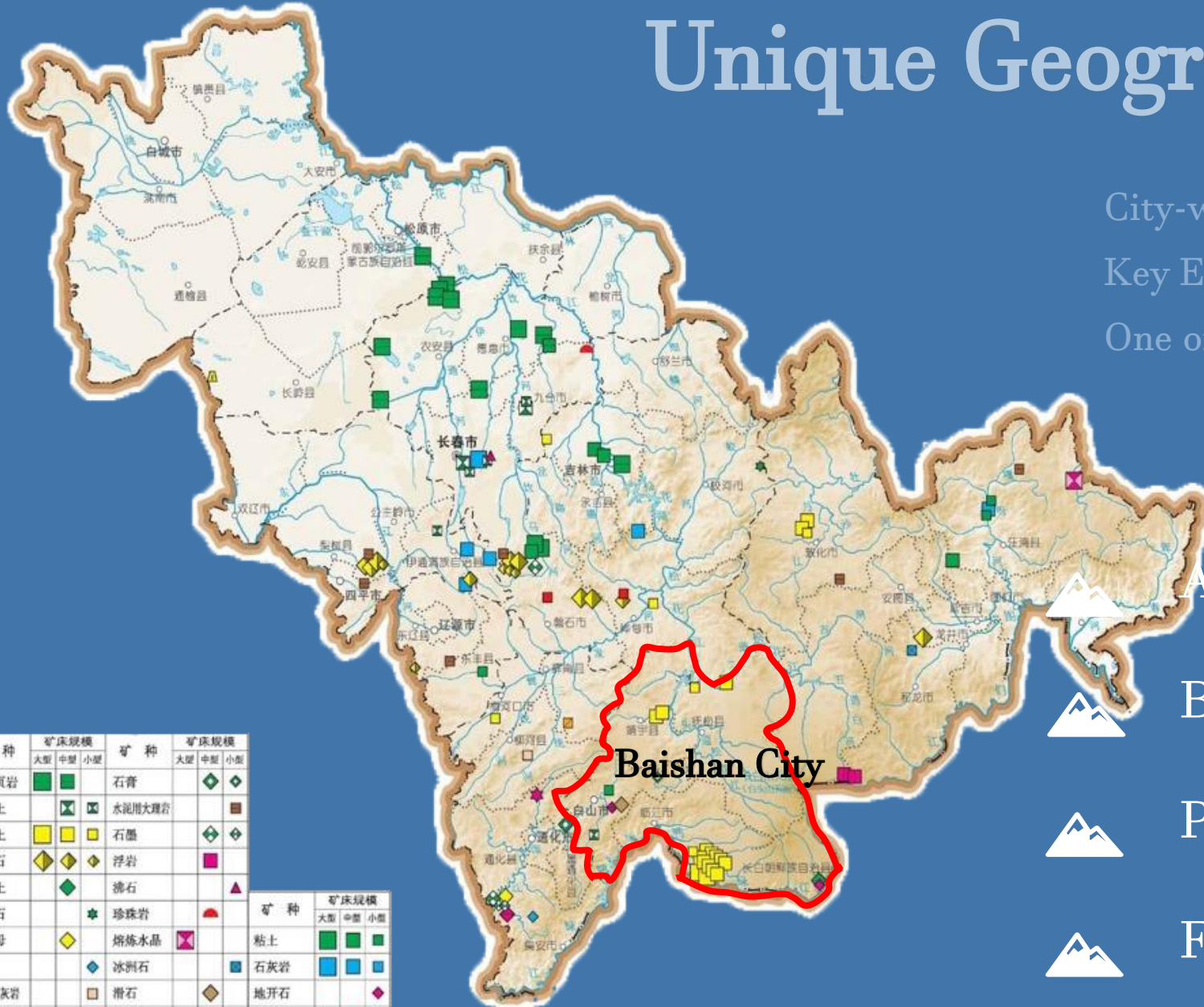
One of the Ten National Ecological Barriers

Area: 17485 square kilometers

Borderline: 458 kilometers

Population: 1.3 million

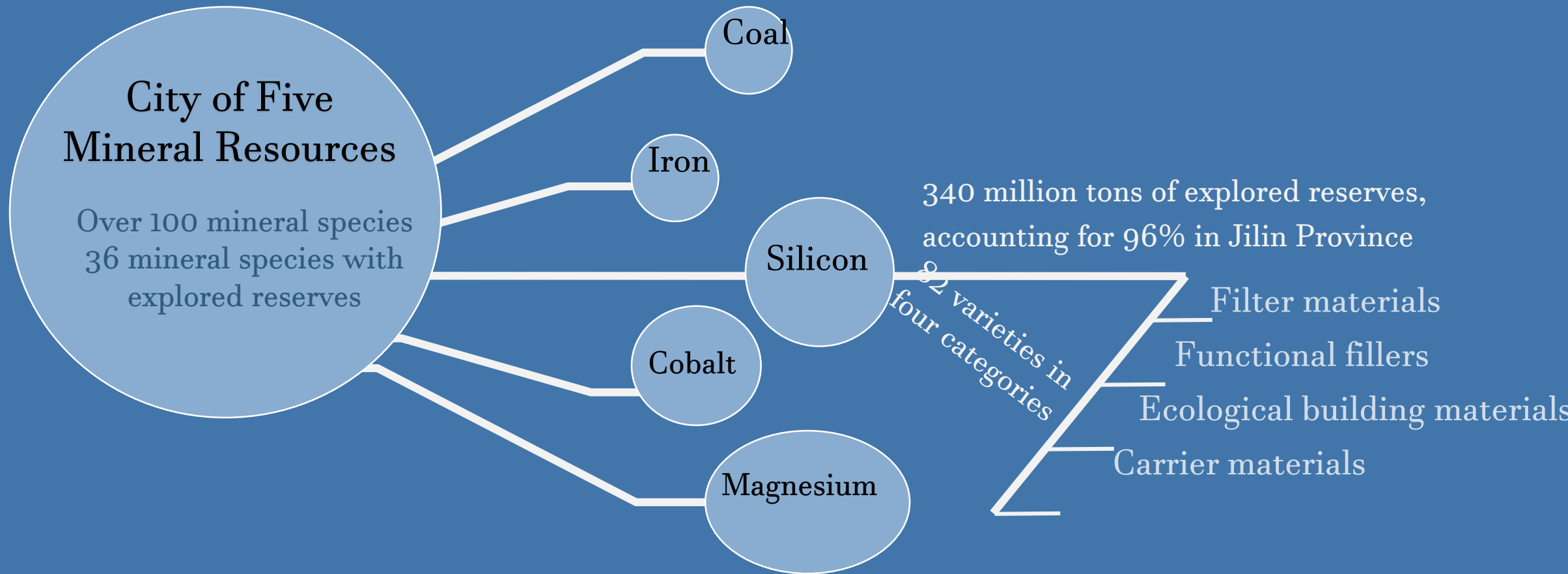
Forest coverage: 84.1%



**Baishan City**

矿种	矿床规模			矿种	矿床规模		
	大型	中型	小型		大型	中型	小型
陶粒页岩	■	■		石膏	◆	◆	
膨润土	■	■	■	水泥用大理岩	■		
硅藻土	■	■	■	石墨	◆	◆	
硅灰石	■	■	■	浮岩	■		
高岭土	■			沸石	▲		
橄榄石	■			珍珠岩	▲		
金云母	■			熔炼水晶	■		
石棉	■			冰洲石	■		
饰面用灰岩	■			滑石	■		
方解石	■			石榴石	★		
火山渣	■			石英砂	▲		
				粘土	■	■	■
				石灰岩	■	■	■
				地开石	■		■
				透辉石	■		■
				瓷石	■		■

# City of Diatomite in China



# Overview of Diatomite

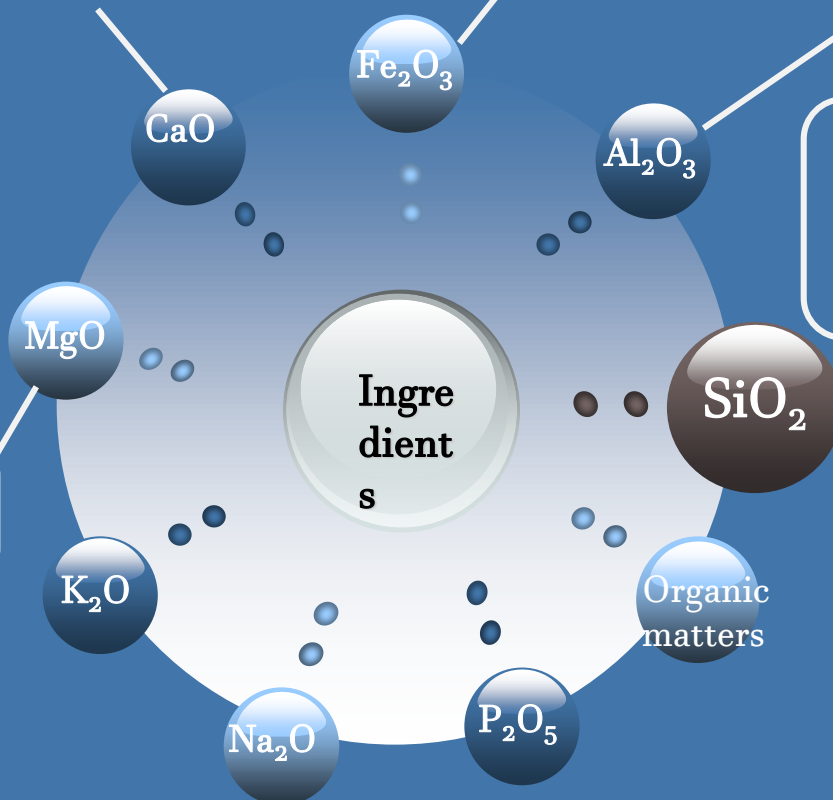
Its content is about 1%, which is not good for the quality of diatomite.

Its content depends on the content of iron-bearing minerals. It is harmful to any use of diatomite.

Its content is related to that of clay minerals in the original soil. Moderate  $\text{Al}_2\text{O}_3$  is needed to enhance the firmness of the carrier.

It is an important parameter to evaluate the quality of diatomite. The higher the content is, the better the quality of soil would be.

Its content is generally close to that of Cao.



# Overview of Diatomite

- 1 Large specific surface area
- 2 Strong absorbability
- 3 High chemical stability
- 4 Strong water absorption and permeability
- 5 Delicate, loose, light, porous
- 6 Bad conductor of heat, electricity and sound

Applied to



Food



Pharmaceuticals



Chemicals



Environmental protection

### First Task

## Strengthen top-level design and optimize industrial layout

We will lucubrate the development trend, product process and advanced technology of diatomite industry at home and abroad. We will scientifically formulate the development plan of Baishan diatomite industry according to local conditions. We will optimize industrial layout. We will integrate the diatomite industrial parks in Baishan and plan to build a provincial diatomite industrial development zone **under unified planning, layout, investment promotion, construction, and management.**

### Second Task

## Enhance resources control and eliminate backward production capacity

We will scientifically and reasonably develop a long-term diatomite exploration and development plan and standard conditions for mine construction to holistically advance the development of diatomite resources. **We will encourage enterprises to build comprehensive resources utilization projects with high value-added and low-grade diatomite storage centers.** We will establish diatomite group companies with leading enterprises and advantageous capital, **boost industrial integration and corporate restructuring, and optimize industrial structure and layout.** By formulating the standard conditions for production and operation of diatomite processing enterprises, we will eliminate a batch of small processing enterprises with backward equipment, technology and process, substandard quality, energy consumption, safety and environmental protection, and low level of comprehensive utilization of resources **to solve the small, scattered and disordered companies.**

### Third Task



## Introduce strategic investment and promote project construction

**In the field of diatomite packaging materials**, we will drive cooperation with domestic and foreign packaging material giants for building a million-ton diatomite packaging material base to accelerate the scale production of diatomite packaging materials. **In the field of ecological panels**, we will introduce domestic and foreign leading interior decoration enterprises to cooperate with local enterprises for building a million-ton household ecological panel base to promote the development and application of diatomite panels to interior furniture decoration, and provide an integrated solution to indoor air pollution. **In the field of diatomite coating**, we will introduce figure enterprises in the industry for in-depth cooperation to lead the scale development of diatomite nano titanium dioxide coating and wall materials. By introducing strategic investors, we will increase the development and application efforts of bulk products in the diatomite industry to propel the variety increase, quality enhancement and brand creation of the diatomite industry, and achieve scale and quality development.



### Fourth Task



## Build an industrial platform and strengthen innovation drive

**We will establish a public service platform for diatomite industry** as well as scientific and technological innovation platform jointly constructed, shared and used by enterprises, universities, and scientific research institutions by effectively utilizing the scientific research resources such as provincial technological innovation alliance for diatomite industry and academician workstations. We will build a new diatomite material science and technology innovation center **for enterprises as well as scientific research institutions** to boost effective transformation of scientific research achievements, and enhance core competitiveness. In the way of government promotion, enterprise main body and market-oriented operation, led by the leading diatomite enterprises, together with relevant diatomite enterprises, **substantial supply chain service companies** will be initiated and established through capital contribution.

### Fifth Task

## Improve standard system and promote quality upgrading

**We will strengthen industry quality control, and promote diatomite new material production enterprises to actively adopt domestic and foreign advanced technical standards for upgrading of product quality standards. We will accelerate to level up the inspection and testing of the provincial diatomite product quality supervision and inspection center in order to serve the development of diatomite industry in Baishan City. With more efforts put into brand cultivation, we will guide and support local enterprises to enhance brand awareness, develop technologies and products with independent intellectual property rights, cultivate competitive diatomite products branded Baishan among peer products at home and abroad, and build a strong brand with core competitiveness.**

### Sixth Task

## Innovate financing modes and deepen multi-party cooperation

We will set up the diatomite industry development fund mainly for **major project construction, scientific and technological innovation, industrial integration and promotion of upstream and downstream diatomite industry chain projects**, so as to advance the pooling of high-quality industrial capital, projects, technologies and talents in the diatomite industry chain. **We will deepen cooperation among the government, banks and enterprises**, guide financial institutions to increase investment in diatomite industry, and actively create innovative and targeted financial products and services for diatomite enterprises. We will actively support qualified diatomite enterprises to raise funds and issue bonds in multi-level capital markets such as the main board, the small and medium-sized board, the SMEs board, and the new third board to boost industrial development.



Baishan is showcasing its passion, vitality, entrepreneurship potential, and huge business opportunities. We hope that our new and old friends can further understand, perceive, invest and harvest in Baishan. With a more open mind, a more pragmatic style and better services, we will create a stage for businessmen at home and abroad to display their talents and achieve their career. We firmly believe that through sincere wishes, practical cooperation and positive actions, we will gain mutual benefit and win-win cooperation in Baishan!