

2020 global action on climate change

——Coe report of members of the United Nations Global Compact

1、 Design "Green Water and Green Mountain is Jinshan Yinshan "Climate Sustainable Development Carbon Financial Economy Transformation Demonstration Zone", and provide the "1.5 ° C temperature control demonstration zone" Chinese model and Chinese plan

1.1.Program ideas: Introduce sustainable climate development, environmental governance, carbon emissions, and carbon financial management systems, and use the PPP + fund + CCER + CDM + EMC investment and construction model. From the top-level design, demonstrate the construction of the park and the sustainable development of carbon finance. Combine regional economic transformation, conduct comprehensive management of carbon asset operations throughout the project, tap environmental benefits across the region, and improve the operation and layout of regional economic transformation for sustainable climate development.

1.2.Program requirements: Designing "green water and green mountains" from the top is the specific practical operation mode of "Jinshan Yinshan". The construction of the demonstration park should be based on the protection of biodiversity and the protection and restoration of forests and terrestrial ecosystems, fresh water resources, and the safety of marine and marine ecosystems, sustainable agriculture and food systems, improvement of green infrastructure, and continuous promotion of economic, social, and environmental Sustainable and coordinated development as content. Take a road of sustainable development with Chinese characteristics.

1.3.Program purpose: Implement CCER development across the region, store carbon emission indicators, establish a carbon financial system, build a carbon financial economy transformation demonstration park, and build a zero carbon emissions economy transformation demonstration park.

2、 The model of coordinated development of climate change and new infrastructure is designed to provide an operational plan for the overall benign development of global regional economy

2.1. Construction of climate sustainable carbon financial economic transformation demonstration zone

2.2. Construction of 1.5 °C global warming control zone

2.3. County GEP, CCER, carbon inclusive development

2.4. Forest ecosystem renewal and construction

2.5. Land space map project

2.6. Regional Digital City Construction

2.7. Digital promotion construction of small and medium sized enterprises

3、 Demonstration area intends to achieve three overall goals

Establish a regional "Climate Sustainable Development Carbon Financial Economy Transformation Demonstration Area" to promote the transformation and upgrading of the Chinese government's fiscal model to achieve sustainable regional economic development::

3.1."Green Water, Green Mountain" is a typical demonstration area of "Jinshan Yinshan"

3.2."Green Water, Green Mountain" GDP fiscal model, a demonstration area that fundamentally changes the government land fiscal revenue model

3.3.Carry out pilot construction of energy revolution, and realize that renewable energy

power generation accounts for more than 90% of the entire society's electricity consumption

Calculation basis for carbon sequestration capacity

In 2011, the Chinese Academy of Sciences launched the “ Certification of Carbon Revenue and Expenditure in Response to Climate Change and Related Issues ” project. More than 350 researchers from 35 research institutes under the Chinese Academy of Sciences, universities, and ministries and commissions systematically surveyed China's terrestrial ecosystems (forest, grassland, Shrubs and farmland) carbon reserves and their distribution. More than 17,000 samples were surveyed, and more than 600,000 plant and soil samples were collected.

Carbon dioxide-based greenhouse gas emissions are an important factor leading to global climate change. There are two main ways to slow the rise of carbon dioxide concentration: starting from "source"-energy saving and emission reduction; considering "going"-increasing ecosystem carbon sequestration.

Through the integration of various previous research results, the soil organic carbon and inorganic carbon reserves in China's terrestrial ecosystems at 0-1m are 93.9PgC and 61.2PgC (1Pg = 1015g = 103Tg = 1 billion tons), and the carbon content of land vegetation is about 14.9 Among them, forest vegetation is about 7.8PgC, grassland vegetation is about 2.1PgC, shrub vegetation is about 3.4PgC, farmland vegetation is about 0.95PgC, desert vegetation is about 0.49PgC, and wetland vegetation is about 0.25PgC.

In China's terrestrial ecosystem, 0,1 m of soil organic carbon is 9,781 tons / k m², and inorganic carbon is 6,375 tons / k m².

Illustration of "green water, green mountains" GDP fiscal model

The "green water and green mountain" GDP fiscal model fundamentally changes the government land fiscal revenue model:

The forest accumulation in Sichuan Province is 1.81 billion cubic meters, and the carbon fixation amount is 1.81 billion cubic meters * 1.83 tons / cubic meter = 3.312 billion tons.

Benefit: 3.312 billion tons * 50 yuan / ton = 165.6 billion yuan

Sichuan's GDP in 2018 was 4,068.81 billion yuan.GDP growth 4.1% !

4、 Climate Economics Framework, Building a carbon financial system



5、 Busin-essarea

能源、工业、城市交通、建筑领域
协助地方政府积极参与应对气候变化的全球行动，促进绿色低碳发展
To assist local governments to actively participate in global action to combat climate change and committed to the development of the low carbon economy

低碳城市发展项目
在城市中工业、建筑、交通等领域实施低碳能源管理、数字化能源管理、清洁能源利用等
body of industry building, transportation, energy saving and low carbon source field comprehensive digitization of ecological low carbon renewable energy

商业和企业合作
帮助商业企业制定气候政策和二氧化碳减排方案，评估减排成本，提高能源使用效率
Help business climate policy and carbon dioxide emissions reduction plan of the enterprise, reduction of environmental impact, reducing energy consumption cost and improve the efficiency of energy use

清洁电力行动
通过提高能源效率和开发可再生能源来减少二氧化碳排放，如风能、太阳能、潮汐能等，减缓二氧化碳排放量的增长速度，从而减缓气候变化
By improving energy efficiency and develop renewable energy sources such as wind, biomass, solar, geothermal, tidal etc. to slow the growth of CO2 emissions to promote sustainable development

CCS项目
碳捕获与封存 (Carbon Capture and Storage, 简称CCS)

城市能源管理系统
通过城市全方位能源数字化改造，建立城市能源运营管理系统，有效管理、采购运营数据，建立城市能源管理模型
City energy management system

森林项目
通过增加森林资源及质量，并提高其可持续性，促进森林碳汇增加，提高森林碳汇
By increasing the forest resources and quality, to develop sustainable forest management, promoting forest protection and reforestation of biodiversity, increase forest carbon sink

农作物种植项目
通过应用数字农业技术，增加土壤有机质，改善作物生长环境，促进农作物和土壤微生物固碳
Through the application of digital agriculture technology, increase soil organic matter, improvement of crop growth environment, promote crops and underground microbial carbon sequestration

淡水项目
开展流域、流域与淡水保护及流域综合治理，恢复流域和淡水生态系统，提高流域生态、经济、社会与环境的可持续发展，实现防洪安全、饮用水安全和生态安全
River catchment and water protection and basin comprehensive treatment and freshwater ecosystems, watershed applications on the aspects of flood prevention, flood control safety, drinking water security and ecological security

海洋生态系统项目
通过促进人类生存与生物多样性保护的平衡，实现人类发展与海洋生态系统保护和谐共生
By promoting the balance of human survival and biodiversity conservation, human survival and development in harmony and Marine ecosystem protection

流域综合管理项目
倡导流域综合管理，Advocate river basin integrated management
- 上游区域保护 The upstream area of vegetation protection
- 实施、企业参与，Early enterprise saving tone
- 鼓励跨部门/地区合作与沟通 Collaboration across departments/areas
- 鼓励公众参与 The government is encouraging the public participation
- 规划、计划充分考虑水资源 Fully considering the environmental water
- 节水农业，Therese saving agriculture
- 人人享有清洁的饮用水 Everyone will have access to clean drinking water
- 增加社区参与程度 Increase community participation
- 污水处理、中水利用 Wastewater treatment and reuse
- 生态河道综合治理 The ecological water conservancy
- 保持健康、Healthy estuarine and coastal waters
- 健康河口与沿海健康 Healthy estuarine and coastal waters

6、 Products and services

- 6.1. Global global temperature control global 1.5 °C target China scheme design, construction and operation
- 6.2. Construction and operation of zero carbon China
- 6.3. "Green water and green mountains are golden mountains and silver mountains" project development, construction and operation of carbon financial economic transformation demonstration zone for climate sustainable development
- 6.4. Overall development, construction and operation of ecosystem (new and new infrastructure)
- 6.5. Integrated monitoring and management platform for climate change satellites
- 6.6. Development and trading of carbon financial products: CCER, CERs, CDM, Ji, ver, et, phcer, GEP
- 6.7. Carbon neutralization and carbon offset

7、 Main process of demonstration area construction

- 7.1. Carry out greenhouse gas emission inventory and emission inventory preparation / verification of carbon storage resources and potential key emission sources in the project area
- 7.2. Building a regional carbon financial system
- 7.3. Global CCER development
- 7.4. Formulation of project area planning, investment, construction, and operation models
- 7.5. Establish the operation promotion model and income of the project area

8、 Demonstration area promotion/ revenue model

Promotion model

Sustainable climate development (climate adaptability, biodiversity) + carbon financial economic transformation + regional industry carbon financial economic transformation + zero-carbon town construction and transformation + ecosystem carbon sequestration

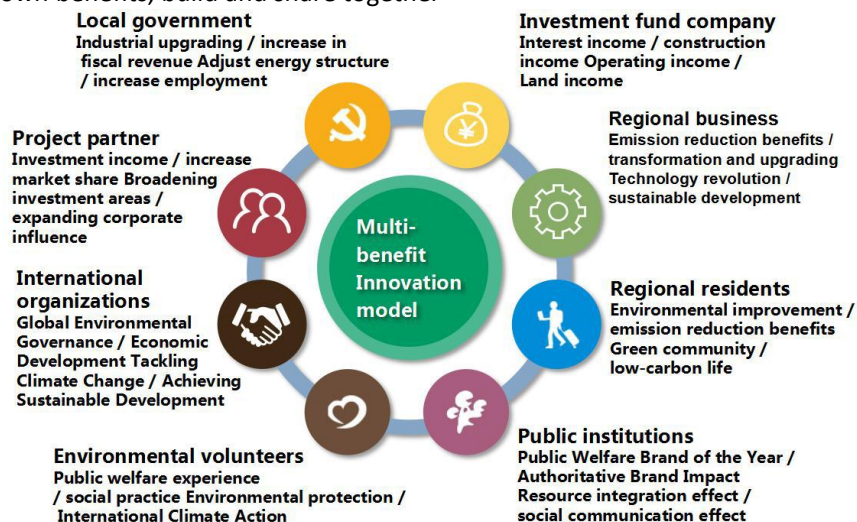
Climate sustainable development + carbon finance + photovoltaic / biomass / wind power / + funds + bonds + asset securitization + contract energy management

Income model

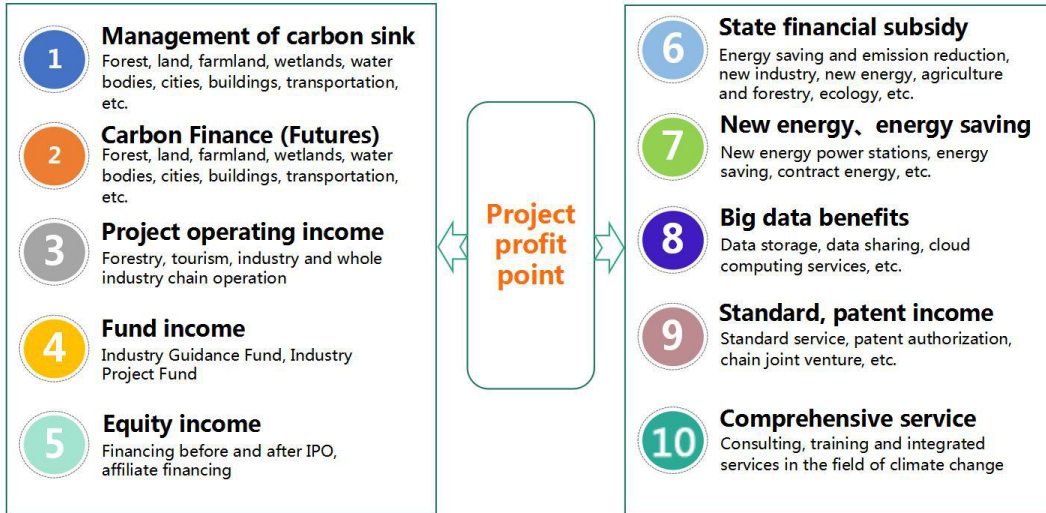
Industrial income, CCER income, photovoltaic / biomass power generation, wind power, income, fund income, asset securitization income, contract energy management income, ecological environment asset income.

9、 Sharing economy model

Carbon Finance Pilot Development, Business and sustainable development, Participants have their own benefits, build and share together



10、 Project profit point



11、 Carbon finance demonstration zone



12、 Headquarters planning

Zhoutang China headquarters plans to cover an area of 350 mu, with an investment scale of 3 billion yuan (including 300 mu of emergency industrialization base and an investment scale of 2 billion yuan), with an annual output value of 15 billion yuan and an annual tax of 1.5 billion yuan. Including: China climate change industry alliance, climate change development research institute, climate change Emergency Management Research Institute, climate change system integrated platform, carbon generalized system of preferences innovation platform, climate change project investment and financing management platform, climate emergency management platform, climate change and smart city data center, green product futures trading center, climate emergency functional materials industry Chemical base, climate emergency sensor R & D and pilot base, etc

12.1. Integrated Platform for Climate Change System

Central platform for integrated climate change integrated environmental monitoring, detection, and early warning system of the Greater Qinling Mountains and Earth:

Integrate "carbon finance + satellite three-dimensional Internet + climate and environmental governance + physical industry", integrate 11 technology patents, 16 project areas, 11 technology application systems, 4 monitoring, testing platforms, 5 research topics, 9 construction goals , Implementing integrated climate and environmental monitoring and protection technologies for the earth and the earth, and studying the impacts of climate change on agriculture, industry,

water resources, human settlements, and the ecological environment through interdisciplinary, comprehensive, and multi-angle studies; developing the greenhouse gas emissions Climate change prediction, early warning and management model, to provide scientific and perfect response measures for climate change, and build the world's first national research, experiment, and demonstration park for global climate change.

12.2. Climate emergency management platform

The climate change security emergency management platform is coordinated by the satellite remote sensing space space three-dimensional security early warning integrated platform and emergency integrated management system to provide technology, products, parts, terminal applications and series of matching services for urban emergency management, major domestic projects and large military enterprises. The platform set up six years of basic research and development achievements, including solid-state lighting and other emergency materials research and development, emergency integrated management system, emergency materials pilot production, terminal sensor research and development and pilot test.

12.3. Carbon GSP Innovation Platform

The carbon GSP is a specific quantification of energy conservation and carbon reduction behaviors of small and micro enterprises, community households and individuals, and a certain value, and establishes the first forward guidance combining business incentives, policy encouragement and certified emission reduction transactions. Mechanism; aims to popularize low-carbon knowledge, promote low-carbon life and low-carbon consumption, and promote the use of low-carbon products and technologies.

The promotion and operation of the carbon GSP system will benefit the public, enterprises and the environment, reflect low-carbon rights and benefits, and promote the establishment of a new model of economic development in which low-carbon consumption drives low-carbon production, and promote technological innovation and supply-side product upgrades To realize the transfer of low-carbon value, extend the carbon trading market, and form a new situation for the government, enterprises, and the public to “build a low-carbon society and develop a low-carbon economy” together.

12.4. Research and development and industrialization base of climate emergency products Industrialization base of climate emergency functional materials:

Solid light-emitting materials and low-carbon emission solid lighting materials are integrated with three major functions of low-carbon solid-state lighting, decoration and emergency safety, which can store light energy, automatically emit light in dark at night, and realize secondary reuse of light energy. The stored light energy (source) can be used to switch and replace part of the lighting time of active lighting, which can effectively improve the utilization efficiency of energy.

Climate emergency sensor application technology research and development and industrialization base:

The integrated emergency management platform and the industrial base, as well as the sub platform of integrated climate change environmental monitoring, detection and early warning system are linked with each other, and the emergency terminal sensor is developed and produced.

12.5. Climate products futures trading center

We will build a global climate products trading center, a global climate industry core trading hub, and a global climate finance innovation platform

It provides trading venues and related supporting services for the trading of greenhouse gases, energy saving and related indicators, major pollutants, energy equity products and other energy and ecosystem GDP, environmental rights and interests spot and derivatives contract trading

Provide consulting, design, trading, investment and financing services for carbon offset projects, energy conservation and emission reduction projects, pollutant emission reduction

projects, energy contract management projects, energy and environmental equity investment projects.

12.6.Climate Change and Smart City Data Center

The advent of the 5G era of big data has solved the problems of communication speed and distance. Massive data has grown rapidly. IPFS-based distributed storage data centers are more reliable, safer, faster and more economical than traditional centralized data centers. 200 distributed storage data centers. The project combines big data, blockchain, and cloud storage to innovate the industrial economy, integrate smart digital city construction and the construction of a climate change carbon financial economic transformation demonstration area, leverage the advantages of big data resources, and establish global climate change Digital models better serve the social construction of the new era.

13、 Project results



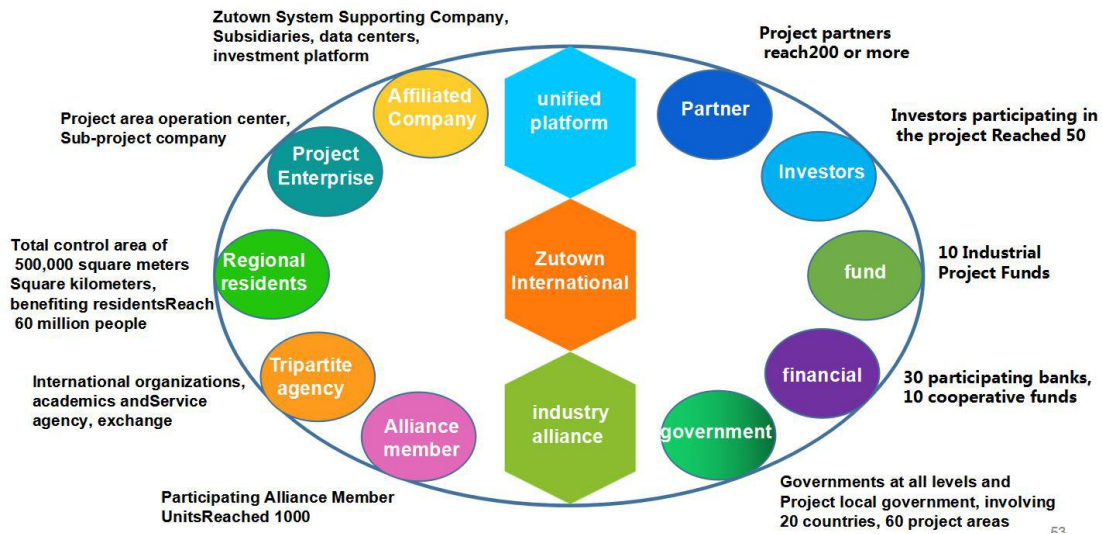
Project areas in five provinces and cities have been signed

- 7 demonstration areas (11 projects):**
- Shan County, Shandong Province: 362 square kilometers**
- Yulin City, Shaanxi Province: 3333.3 square kilometers**
- Xiuyan County, Liaoning Province: 4502 square kilometers**
- Inner Mongolia Dalat Banner: 419.5 square kilometers**
- Kashgar, Xinjiang: 100 square kilometers**
- Total control area: 8737 square kilometers**
- CO2 emission reduction: 85.458 million tons (organic carbon)**

27

	location	Contracting party	Scheduled area (km ²)	Operating period (year)
1	Xiuyan County, Liaoning	County government	1235.3	70
1-1	Xiuyan County, Liaoning (wind power)	County government	200MW	30
1-2	Xiuyan County, Liaoning (Forestry carbon sinks)	County government	3266.7	70
2	Single county,shandong	County government	362	70
3	Yulin Ecological Industrial Park,shaanxi	Yulin Ecological Industrial Park	3333.3	70
4	Yanta District,Xi-an	Biying Ecology Company	1	70
5	QianCounty,Shaanxi	County government	20	70
6	Dalate Banner,neimenggu	neimeigu Wanchuang Group	334.88	70
6-1	Dalate Banner,neimenggu (Photovoltaic)	neimeigu Wanchuang Group	3000MW	30
6-2	Dalate Banner,neimenggu (Forestry carbon sinks)	neimeigu Wanchuang Group	84.6	70
7	Kashi,Xinjiang	Xianjiang Shengbang Company	100	70
total			8737.78	

14、Zutown Five year plan



Zutown: Building the First Share of the Global Climate Change Industry

Zutown Future System Composition

- China Climate Change Industry Alliance Increases Alliance Membership to 1,000
- Integrated Platform for Climate Change System in the Greater Qinling Mountains
- Global financing platform: formation of a global climate change financing company
- Global data platform: setting up a smart city data center in the global demonstration area
- Global Management Center: Establishment of Global Project Management Center
- Affiliated companies: Set up complete system supporting companies
- 50 global partners and 50 global project investors
- Cooperating institutions: 100 government agencies at all levels, international organizations, academic institutions, and third-party service agencies
- Global Emissions Exchanges: Cooperation with 20
- Listed by: Frankfurt Stock Exchange
- Bank Funds: 20 global cooperative banks, 10 cooperative funds, 10 established funds not less than 10 billion
- Project expansion: 40 regional projects in China, 20 countries worldwide, benefiting 60 million people, 500,000 km² of emission control area, CO₂ emission reduction of 489 million tons; expansion of clean energy power generation of 30,000MW, CO₂ emission reduction of 29.8 million tons / year



15、Global partner recruitment

15.1. To provide cooperation base of carbon neutralization and carbon offset projects for members of the UN Global Compact;

15.2. Recruiting overseas headquarters base partners;

15.3. Recruitment of partners for China headquarters base.

16、Priority statement of project intellectual property and copyright

16.1. All carbon finance business models and top-level design of the project are the exclusive priority of intellectual property rights and copyrights and applications for the China Climate Change Industry Alliance (hereinafter referred to as the Alliance).

16.2. All partners participating in the project are obliged to abide by the claims in Article 1 of this statement.

16.3. The provisions of this statement apply to the protection of the priority clauses of international intellectual property and copyright applications, as well as the priority clauses of the People's Republic of China regarding intellectual property and copyright applications.

16.4. Without the authorization and permission of the China Climate Change Industry Alliance, no institution, enterprise, or individual may use, copy, imitate the carbon finance business model and top-level design of the China Climate Change Industry Alliance, and conduct

related projects and business activities .

16.5. The right to use, protect, modify, and interpret the intellectual property rights and copyrights of the project, as well as the priority terms of the application, belong to the China Climate Change Industry Alliance.

China Tackle Climate Change Industry Alliance

August 30, 2020