



北京环境交易所

China Beijing
Environment Exchange

www.cbeex.com.cn



环交所微信公众号



绿行者微信公众号

北 / 京 / 环 / 境 / 交 / 易 / 所

CHINA BEIJING
ENVIRONMENT EXCHANGE

climate exchange
for climate change

为环境权益定价
为低碳发展赋能

CONTENTS

目录

02	成立背景	Background
04	公司简介	Company Profile
05	股东结构	Shareholders
06	董事长致辞	Chairman's Speech
<hr/>		
08	发展战略	Strategy
09	组织架构	Organizational Structure
10	业务范围	Business Scope
17	会员服务	Membership Services
<hr/>		
18	北京绿色金融协会	Beijing Emissions Trading Association
19	绿金委碳金融工作组	Carbon Finance Working Group, GFC
20	低碳工具	Low- carbon Tools

Background

成立背景

北京环境交易所（环交所）是在我国转变发展方式、推进环保机制创新、积极应对气候变化，以及北京发展要素市场和建设世界城市的大背景下应运而生的。

工业革命以来，全球环境问题日趋严重，如今也逐渐成为制约我国经济又好又快发展的瓶颈之一。在气候变化、能源约束、资源消耗和环境污染等多重因素的制约下，推动经济社会向低碳发展方式的转变，已经成为当务之急。建立和发展环境金融市场，通过经济手段推进节能减排，通过市场机制应对气候变化，成为时代赋予环交所的重要使命。



China Beijing Environment Exchange(CBEEX) was established according to China's development mode transformation, mechanism innovation of environmental protection, coping with climate change, as well as, Beijing's factor market construction and its goal of becoming a world city.

Ever since the industrial revolution, the global environmental issues have become increasingly poignant. Along with China's reform and development, environment degradation is considered as one of the bottlenecks to way of proceeding a steady and speedy economic development. Multiple factors in climate change, energy shortage, resource consumption and environmental pollution, result in the promotion of economy and society's low-carbon development has become a top priority. And the core mission of CBEEX is to construct and develop an environmental financial market, in order to drive energy saving and emission reduction by economy measures, and cope with climate change through market mechanism.



Company
Profile

公司简介



2008年8月5日，时任全国政协副主席张梅颖、环保部副部长李干杰和北京市委常委常务副市长吉林等领导共同为北京环境交易所揭牌

环交所于2008年8月5日成立，是经北京市人民政府批准设立的特许经营实体，是集各类环境权益交易服务为一体的专业化市场，目前注册资本5亿元人民币。环交所是利用经济手段解决环境问题的公共平台，是技术先进、结构合理的国家级环境交易中心市场，是国际环境合作的专业化窗口，是重要的环境金融衍生品市场。

环交所作为各类环境权益的价值发现渠道和市场交易枢纽，通过其先进的交易系统、广泛的会员网络与合作伙伴，将优化节能减排领域的资源配置，降低污染防治的社会成本和交易成本，提高环境治理的效率。环交所建设资源节约型、环境友好型社会为己任，通过金融创新推动实现可持续发展。

China Beijing Environment Exchange (CBEEX) was founded on Aug 5th, 2008 with the approval of Beijing municipal government. CBEEX is a professional market platform for trading various environmental equities, operate as a group with RMB 500 million registered capital. CBEEX is a public platform that aims to utilize economic measures to address environmental issues; is an advanced and well constructed national level environment exchange central market; is a professional window of international environment cooperation ; also is an important market of environmental financial derivatives.

CBEEX as a value discovery channel and market trading center for various environmental rights and interest, through its advanced transaction system and extensive network of memberships&partnerships, CBEEX strives to optimize the resource allocation of energy saving and emission reduction, minimize pollution abatement social cost and transaction cost, as well as, conduct cost-effective environmental governance. Since inauguration, CBEEX takes the development of resource-saving and environmental -friendly society as its primary responsibility, and is seeking to integrate financial innovation in its contribution to sustainable development.

Shareholders

股东结构



北京产权交易所有限公司

CHINA BEIJING EQUITY EXCHANGE



金融街控股股份有限公司

FINANCIAL STREET HOLDINGS CO.,LTD



浙江蚂蚁小微金融服务集团股份有限公司

ANT FINANCIAL SERVICES GROUP



北京汽车集团产业投资有限公司

BAIC GROUP INDUSTRY INVESTMENT CO.,LTD.



中海油能源发展股份有限公司

CNOOC ENERGY TECHNOLOGY & SERVICES LIMITED



中国国电集团有限公司

CHINA GUODIAN CORPORATION LIMITED



中国光大投资管理有限责任公司

CHINA EVERBRIGHT INVESTMENT
MANAGEMENT COMPANY



中国石化集团资产经营管理有限公司

SINOPEC ASSETS MANAGEMENT
CORPORATION LTD



中国节能环保集团有限公司

CHINA ENERGY CONSERVATION AND
ENVIRONMENTAL PROTECTION GROUP



鞍钢集团资本控股有限公司

ANSTEEL CAPITAL HOLDINGS CO.,LTD.



中国航空器材集团能源管理有限责任公司

CHINA AVIATION ENERGY & EMISSION SOLUTIONS



Chairman's Speech 董事长致辞

2008年北京奥运会开幕前夕，在国家发改委、环保部和北京市人民政府及各相关部门的领导下，北京环境交易所正式挂牌成立。北京环境交易所肩负的职责和使命，是用市场机制和金融手段推进节能减排、保护生态环境、应对气候变化。这既是巨大的挑战，更包含着非凡的历史机遇。

以碳排放权交易和排污权交易等为代表的环境权益交易，在建设生态文明和“美丽中国”的新形势下，是转变发展方式、调整产业结构、完善生态补偿和调节地区差距的重要市场工具，也是治理雾霾等污染问题、改善环境质量的长效机制。环境权益交易与各种创新金融手段结合所形成的环境金融市场，还可以发展成为低碳经济融资的重要途径，为推动绿色产业成长提供必不可少的金融支持，也为金融市场开辟新的增长空间。

近年来，北京环境交易所团队在碳排放权交易、排污权交易、节能服务与合同能源管理项目投融资、低碳转型咨询服务等领域进行了大量创新探索，积极参与国内多层次的环境权益市场建设，为传播低碳发展理念、推进市场机制建设，做出了独特的贡献。目前，北京环境交易所已经发展成为国内最重要和运作最规范的环境交易所之一。随着京津沪渝粤鄂深七省市碳交易试点工作的推进和全国碳排放权交易体系的正式启动，建设中国碳交易市场的机会之门已经打开，北京环境交易所团队将继续秉持创新进取、行稳致远的精神，扎实推进北京市碳交易试点，积极参与国家碳市场建设，努力将北京建设成为国内外有影响力的环境权益交易中心。

作为公开、公平、公正的市场平台，北京环境交易所致力于为国内外排放排污主体、碳基金、中介咨询公司、金融机构等利益相关方提供专业的交易支持服务，致力于为国家和北京市的节能减排、环境保护、城乡统筹等基础工作提供市场化支持，致力于成为应对气候变化国际合作与能力建设的专业平台，致力于成为全球环境金融市场不可或缺的基石，为首都发展要素市场、建设世界城市做出应有的贡献。

On the eve of the 2008 Beijing Olympic Games, China Beijing Environment Exchange (CBEEEX) was founded with the joint support from National Development and Reform Commission, Ministry of Environmental Protection, Beijing municipal government and related departments. The core mission and responsibility of CBEEEX is to facilitate energy saving and emissions reduction, protect eco-environment and address climate change with market mechanism and financial instruments. This task is not only a huge challenge, but also one embedded with historical opportunities.

In the new circumstances of promoting ecological progress and building "Beautiful China", environmental equity exchange represented by carbon emission and pollution trading, is the important market tool of changing the growth model, adjusting the industrial structure, improving ecological compensation and promoting balanced development, and also the long-term mechanism of solving air pollution problems and ameliorating environment quality. The environmental finance market, composed of environmental equity exchange and innovative financing instruments, can also be the important approach of low carbon economy, the essential financing support of green industry development, and will expand the business growth horizon for the financial market.

In recent years, CBEEEX has made abundant innovation exploration in the fields of carbon emission trading, pollution rights trading, energy saving and EPC/EMC project financing, as well as consultancy services to low carbon transition for public and private entities. CBEEEX participates into the environmental equity

market construction actively, advocates the low carbon development concept and promotes market mechanism establishment. This makes CBEEEX one of the most important environmental exchanges in China. With the development of pilot carbon emissions trading schemes at Beijing, Tianjin, Shanghai, Chongqing, Guangdong, Hubei and Shenzhen, and the formal initiation of the national carbon trading system, the gateway of opportunities to build China's carbon market is opened. CBEEEX will uphold its steady and ambitious spirit with relentless pursuit of innovation to take solid steps in promoting the Beijing pilot emissions trading scheme, and will participate in the construction of nation-wide carbon trading center actively. We are committed to build Beijing market an influential environmental equity exchange center both domestically and internationally.

As an open, fair and just market platform, CBEEEX is dedicated to provide professional trading support services to stakeholders including global and domestic emitters, carbon funds, DOEs and consultancy firms, financial institutions, etc. We are committed to support the fundamental construction including energy saving and emissions reduction, environmental protection and urban & rural integrating development for China and Beijing with market tools. We also strive to become the professional platform of international cooperation and capacity building to address climate change, to become the cornerstone of the global environmental finance market, and to contribute our share to the Beijing factor market and infrastructure construction of a "World City".

Zhu Ge

Strategy

发展战略

北京环境交易所以促进经济、社会和环境全面协调的可持续发展为基本出发点，围绕国家调整产业结构和转变发展方式、北京建设世界城市和国际知名金融中心的目标，坚持“政府引导、市场化运作”的思路，以“规范化运营、金融化提升、信息化推进、国际化布局”为四大着力方向，搭建公开、公平、公正的环境权益交易平台，发展成为国家碳交易中心市场、国内外有影响力的碳定价中心和环境金融创新基地，以及领先的低碳转型咨询服务提供商。

Based on the ruling principle of China's central government in building an economically, socially and environmentally sustainable society in China, CBEEEX's main founding objectives are to serve the national industrial structural reform and to boost the financial center competence of economical and political capital Beijing. CBEEEX adopts "government guidance with market orientation" as development mode, "standardized operation, financial support, information promotion, and internationalized layout" as four development measures, in order to build an open, fair and impartial manner trading platform of environmental equities. The strategy will lead CBEEEX to become a national carbon trading central market, an influential carbon pricing and environmental finance innovation center, and an advanced low-carbon transition consultancy.



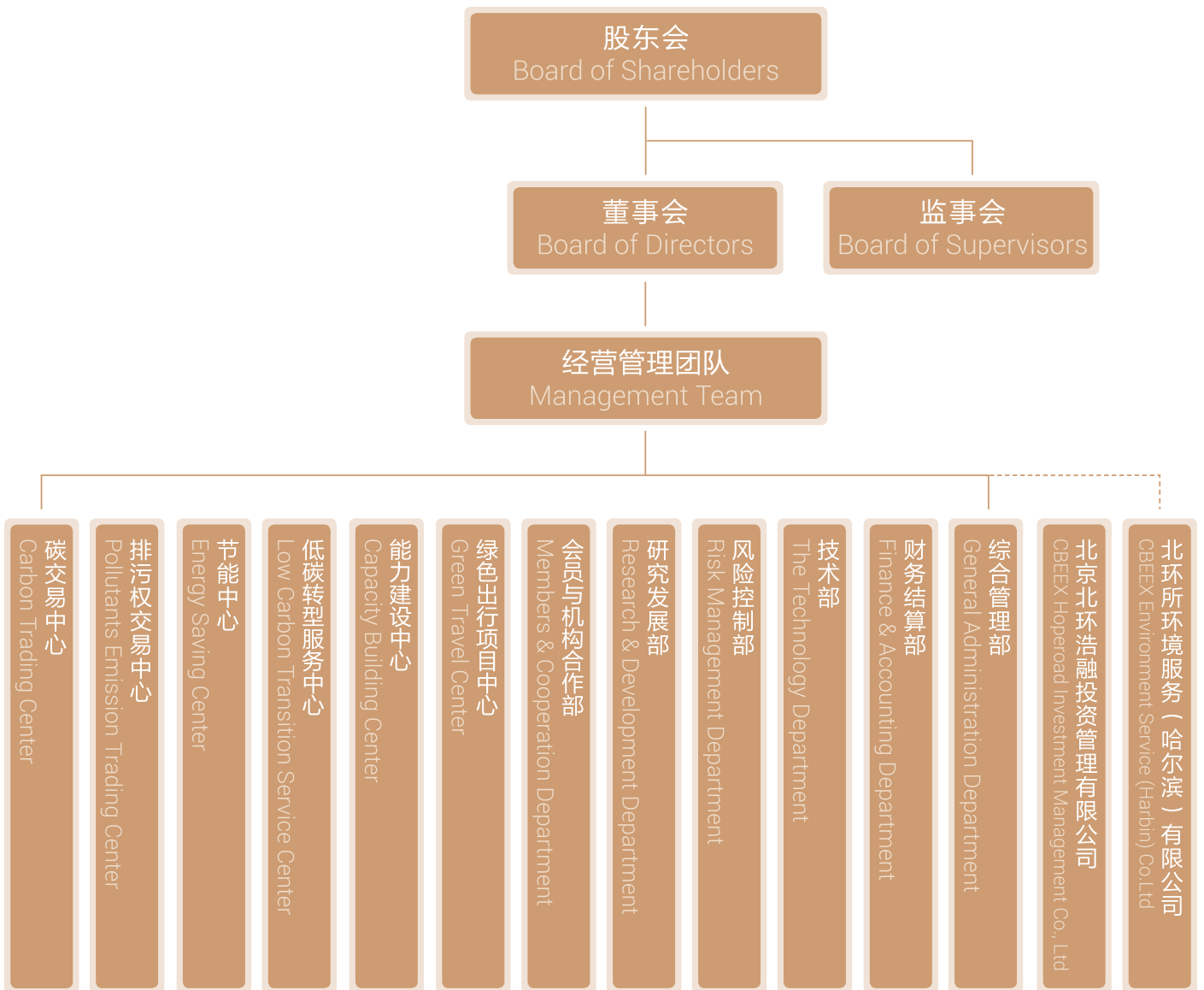
▲ 时任国家发改委副主任解振华视察环交所



▲ 国家有关部门领导一直对环交所的发展寄予厚望

Organizational
Structure

组织架构



碳交易

- 碳配额交易：**环交所作为北京市政府指定的碳排放权交易试点交易平台，为客户提供交易开户、配额交易、资金结算、交易咨询系列服务，并为场外交易提供清算服务。凭借多样化的交易方式和竞价手段以及全面的交易服务，环交所碳配额交易平台致力于帮助履约机构履行减排责任，为非履约机构把握碳市场的投资机会。
- 自愿减排量交易：**环交所作为国家发改委备案的国家自愿减排交易机构，搭建自愿减排交易平台，方便客户交易中国核证减排量（CCER）。
- 碳中和服务：**环交所为机构及个人客户提供经过权威认证的多元化、公益性减排项目，用于抵消自身碳排放，并提供低碳宣传等全方位服务。

Carbon Trading

- Beijing Carbon Trading Pilot
- CCER/VER Trading
- Carbon Neutral Service



- ① 时任国家发改委副主任解振华与北京市委书记郭金龙启动北京市碳交易试点电子交易平台
- ② 国家发改委气候司莅临北京环境交易所调研交流北京碳交易试点工作
- ③ 北京市发改委一直高度重视北京碳市场的持续健康发展



▲ 环保部翟青副部长调研哈尔滨排污权交易平台



▲ 北京市副市长洪峰视察环交所老旧机动车淘汰更新办理服务现场

排污权交易

- **绿色公共服务：**在北京市政府指导下，搭建老旧机动车淘汰更新、老旧柴油货运车淘汰更新、新能源汽车补贴等绿色公共服务办理平台，为消费者提供财政补助等综合信息服务，缓解空气污染，保卫首都蓝天。
- **区域排污权交易：**受地方政府委托，环交所在哈尔滨等地搭建排污权交易平台，开展二氧化硫、氮氧化物、化学需氧量和氨氮等四种主要污染物的排污权交易，服务地方政府的污染物减排目标。

Pollution Rights Transaction

- Green Public Services
- Regional Pollution Rights Transaction



▲ 中国合同能源管理项目投融资服务平台成功上线



▲ 宁夏回族自治区节能技术培训班和节能新技术推广应用会

节能服务

- **节能市场机制：**根据中央节能工作相关政策及目标，为地方政府提供节能市场建设相关的机制设计、系统开发及能力建设等服务。
- **节能技术推广：**为地方政府开展节能技术培训与应用推广示范，为环保企业提供节能诊断、节能技术评价与推广等服务。

Energy Saving Service

- Energy Saving Market Mechanism
- Energy-saving technology promotion



▲ 国家邮政局发展研究中心和环交所合作开展绿色快递行业研究



▲ 环交所为钉钉的企业碳账户开发减排量算法



▲ 环交所协助支付宝推出“蚂蚁森林”项目

低碳转型服务

- **低碳发展规划咨询:** 协助地方政府(园区)制定低碳发展规划,开展生态文明建设专题研究,编制温室气体排放清单及低碳发展专项解决方案。
- **低碳管理服务咨询:** 为大中型企业提供碳减排战略规划、碳减排方法学开发、碳资产开发与管理等综合咨询服务,帮助企业改善环境绩效,提升低碳竞争力。
- **碳普惠创新:** 面向个人低碳生活及小微企业绿色生产等各类应用场景,开展碳减排量化及测算等综合服务,挖掘价值实现途径,完善碳普惠激励机制。

Low Carbon Transition Service

- Low Carbon Development Planning Consultation
- Low Carbon Management Service Consultation
- Carbon Inclusive Innovation



▲ “绿行者”绿色出行奖励平台启动



▲ “绿色出行联盟”成立

绿色出行普惠服务

- **“绿行者”绿色出行奖励平台：**利用算法和技术手段将市民的绿色出行减排行为量化，依托减排量自愿交易将个人减排与企业奖励有机结合，鼓励市民绿色出行，通过碳普惠创新和市场化手段缓解城市交通拥堵和空气污染问题。
- **绿色出行联盟：**联盟凝聚社会各方力量，通过多种途径，推动个人参与绿色出行，搭建个人交通减排的平台和桥梁，构建公众出行的绿色生态网络，营造低碳社会新风尚。

Green Travel Inclusive Service

- Green Traveler Green Travel Reward Platform
- Green Travel Alliance



▲ 北京市-河南省碳排放权交易能力建设交流培训会



▲ 中石化碳交易高级定制培训班

能力建设

- **低碳主题系列：**面向市场提供碳资产管理、温室气体核算与核查、碳交易实务、林业碳汇管理、绿色金融等定期低碳系列培训。
- **低碳定制培训：**针对企业或行业的个性化需求定制设计低碳主题的能力建设服务。
- **地方政府低碳能力建设：**为地方政府提供与碳交易、低碳发展、生态文明建设相关的培训、宣传、会议、展示等能力建设服务。

Capacity Building

- Regular low-carbon courses
- Customized low-carbon training for enterprises
- Low-carbon training for local governments



▲ 环交所与中美绿色基金共同发起设立低碳节能环保基金



▲ 环交所成立绿色融资租赁服务平台

绿色投融资

环交所依托全资子公司北京北环浩融投资管理有限公司，致力于推进绿色投融资业务。北环浩融与中美绿色基金共同发起成立百亿规模绿色低碳基金，支持国内外低碳节能环保领域的优质项目。

Green Investment and Financing

CBEEX wholly-owned subsidiary CBEEX Hoperoad Investment Management Co., Ltd. is committed to providing green investment and financing services. CBEEX and U.S.-China Green Fund jointly initiated the establishment of a billion-scale green development fund to support quality projects in the field of low carbon, energy conservation and environmental protection at home and abroad.

Membership
Service

会员服务

环境市场会员服务

北京环境交易所实行会员制，目前共有近千家会员机构，分为战略会员、服务会员和交易会员，已形成完善的会员服务体系，能有效地为客户在环境权益交易、节能环保投融资、国有资产交易等方面提供专业服务。

国资机构交易服务

环交所依托股东单位北京产权交易所国有资产交易业务，提供产权经纪和投融资顾问等市场化增值服务，帮助客户企业在产权交易中实现资产价值最大化及投资便利化。

Membership Service

- Environment Market Membership Service
- State-owned Assets and Equity Transaction



环交所会员大会评选年度十佳会员



环交所一直在积极拓展为包括央企在内的各类会员的服务模式

北京绿色金融协会

北京绿色金融协会是由环交所联合中国主要的排放企业、金融机构和碳资产管理公司发起成立的碳市场同业组织。作为政府和市场之间的中介桥梁，协会代表行业各类利益相关方，围绕中国碳市场发展、北京碳交易中心和碳金融中心建设，积极参与相关的政策研究和能力建设，为会员提供业务最佳实践和经验交流平台，为政府提供决策咨询服务，同时承办“地坛论坛”、联合国气候变化大会“中国角”碳市场边会等年度品牌活动。

Beijing Emissions Trading Association (BETA)

Beijing Emissions Trading Association (BETA) is a carbon trading market organization, jointly established by CBEEEX and a number of influential carbon funds and carbon assets management companies in China. As the bridge between government and the market, BETA actively participates in research and capacity building, providing an exchange platform of business practice and experience for members and advisory services for government. On multiple occasions, it represents stakeholders in the industry and the development of China carbon market. It is also dedicated to the construction of the carbon trading center and carbon finance center in Beijing, and host the Earth Temple Forum ,China Pavilion carbon market side event at the UN Climate Change Conference every year.



▲ 2011年初成立的北京绿色金融协会是中国第一个碳市场行业协会



▲ 北京绿色金融协会在巴黎气候变化大会“中国角”举办“中国碳市场建设路径”主题边会



▲ 受绿金委委托，环交所牵头成立了绿金委碳金融工作组



▲ 绿金委碳金融工作组近年主持及参与的主要研究成果

绿金委碳金融工作组

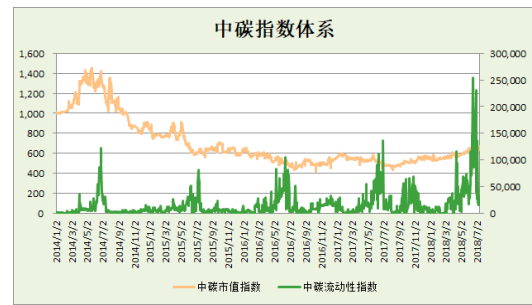
受中国金融学会绿色金融专业委员会（绿金委）委托，环交所牵头成立绿金委碳金融工作组，系统开展碳金融相关的政策研究、产品创新和能力建设。在人民银行研究局和绿金委指导下，碳金融工作组牵头完成“环境权益质押融资研究”，积极参与绿色金融标准编制，以及环境风险分析、绿色评级评估认证、碳交易压力测试、强制性环境信息披露等绿色金融基础研究，推动环境权益交易与碳金融市场繁荣发展。

Carbon Finance Working Group, GFC

Entrusted by the Green Finance Committee (GFC) of the China Society for Finance and Banking, CBEEX has led the establishment of the GFC Carbon Finance Working Group(CFWG) for policy research, product innovation and capacity building. Under the guidance of the Research Bureau of PBoC and GFC, CFWG led Environmental Rights Equity Pledge Financing Study, took part in the research of environmental risk analysis, green rating assessment certification, carbon trading stress testing, mandatory environmental information disclosure and other green financial research, and is participating in the preparation of green financial standards.



▲ 中央电视台《新闻联播》节目专门对“熊猫标准”进行了报道



▲ 中碳指数是综合反映国内各个试点碳市场成交价格 and 流动性的指标

低碳工具

- **熊猫标准：**是发展中国家首个自愿减排标准，由环交所与欧洲 Bluenext 交易所联合美国温洛克国际农林中心、中国林业产权交易所共同开发推出，为统筹解决减排和减贫这两大挑战提供强有力的专业工具。
- **中国低碳指数：**环交所与硅谷优点资本（VPVP）合作开发编制了“中国低碳指数”，并联合中证指数有限公司推出了升级版，是全球首个对中国低碳产业发育程度进行量化并以人民币计价的低碳相关指数，为低碳融资建立起了市场基准。
- **中碳指数：**由北京绿色金融协会开发推出，是综合反映国内各个试点碳市场成交价格和流动性的指标，包括“中碳市值指数”和“中碳流动性指数”两只指数。

Low Carbon Tools

- Panda Standard
- China Low Carbon Index
- Sino Carbon Index

Cooperation and
Partnerships

合作伙伴

国内 Domestic

NCSC

国家应对气候变化
战略研究和国际合作中心
National Center for Climate Change
Strategy Research
and International Cooperation



环境保护部
环境保护对外合作中心
Foreign Economic Cooperation Office,
Ministry of Environment Protection



国家发展和改革委员会
能源研究所
Energy Research Institute
National Development and Reform
Commission



科学技术部
中国 21 世纪议程管理中心
Administrative Center for China's
Agenda 21, Ministry of Science
and Technology

CDMFUND

财政部
中国清洁发展机制基金管理
China Clean Development
Mechanism Fund



中证
指数有限公司
China Securities Index Co., Ltd



商务部
中国国际经济技术交流中心
China International Center for
Economic and Technical Exchanges



国家邮政局
发展研究中心
Development & Research Center of
the State Post Bureau

国际 International



联合国开发计划署
United Nations
Development Program



联合国环境规划署
United Nations Environment
Programme



世界银行
World Bank



亚洲开发银行
Asian Development Bank



法国开发署
Agence Française de
Développement



BlueNext 交易所
BlueNext Exchange



金融和能源交易所集团
Financial
and Energy Exchange Group



优点资本
Vantage Point Capital
Partners



美国环保协会
Environmental Defense Fund



大自然保护协会
The Nature Conservancy



韩国能源管理公团
Korea Energy
Management Corporation



能源与交通创新中心
Innovation Center for Energy
and Transportation



欧洲能源交易所
European Energy Exchange

21



北京环境交易所

CHINA BEIJING ENVIRONMENT EXCHANGE

中国北京市西城区月坛南街1号院1号楼5层

邮编：100045

F5, Building 1, Yard No. 1 Yuetannan Street,
Xicheng District, Beijing, P.R. China 100045

电话 / Tel: 86-10-66295776

传真 / Fax: 86-10-66295798 (自动 / Automatic)

www.cbeex.com.cn