



# 北京环境交易所

China Beijing  
Environment Exchange

[www.cbeex.com.cn](http://www.cbeex.com.cn)



环交所微信公众号

北 / 京 / 环 / 境 / 交 / 易 / 所

CHINA BEIJING  
ENVIRONMENT EXCHANGE

To Solve Environmental Issues  
By Market Mechanism  
Financing For Low Carbon Economy

用市场机制解决环境问题  
为低碳经济融资

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## 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，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。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 (CBEEEX) was founded on Aug 5th, 2008 with the approval of Beijing municipal government. CBEEEX is a professional market platform for trading various environmental equities. CBEEEX 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.

CBEEEX 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, CBEEEX 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, CBEEEX 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



中海油能源发展股份有限公司

CNOOC ENERGY TECHNOLOGY & SERVICES LIMITED



中国国电集团公司

CHINA GUODIAN CORPORATION



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



中国节能环保集团公司

CHINA ENERGY CONSERVATION AND  
ENVIRONMENTAL PROTECTION GROUP



鞍钢集团资本控股有限公司

ANSTEEL GROUP CORPORATION



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、节能量交易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，积极参与国家碳交易中心市场建设，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，致力于为北京市和国家的节能减排、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, the energy saving credits trading 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 initiation of pilot carbon emissions trading schemes at Beijing, Tianjin, Shanghai, Chongqing, Guangdong, Hubei and Shenzhen, 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 nationwide 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 Beijing and China 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.



▲ 国家发改委副主任解振华视察环交所

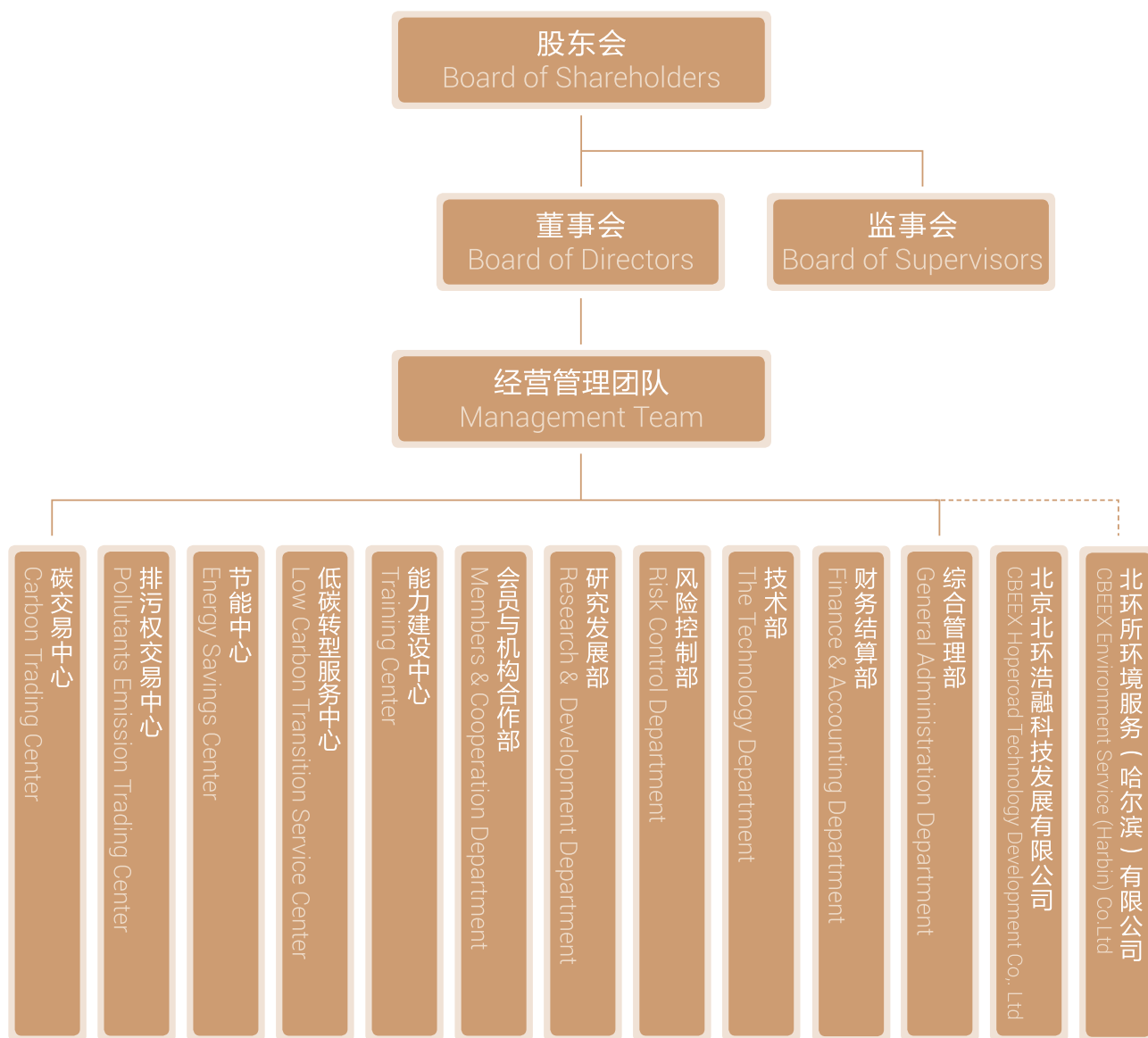


▲ 国家有关部门领导一直对环交所的发展寄予厚望



Organizational  
Structure

## 组织架构



Business  
Scope

业务范围

## 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 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 国家发改委副主任解振华与北京市市长王安顺共同为北京碳市场鸣锣开市
- 3 中国企业首笔自愿减排交易在环交所成交



▲ 北京市委常委常务副市长吉林视察环交所



▲ 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

- **北京市老旧机动车淘汰更新办理服务：**根据北京市政府《关于进一步促进本市老旧机动车淘汰更新方案》，将排污权交易原理用于解决首都交通拥堵与空气污染问题的创新实践，经济鼓励与强化监管结合促进老旧机动车淘汰更新。
- **区域排污权交易：**北京市老旧机动车淘汰更新服务模式复制推广，移动源等领域的排污权交易。

## Pollution Rights Transaction

- Eliminating and Replacing Vehicles of Lower Environment Standards in Beijing
- 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



▲ 环交所与EMCA签署战略合作协议

## 节能中心

- **合同能源管理项目投融资服务：**根据中央部委和北京市关于合同能源管理项目财政奖励资金管理辦法，为合同能源管理项目提供融资支持、信用增强和交易配套服务。
- **节能量交易：**针对工业、建筑和商业等领域，推进节能和能效项目开发融资并提供节能量挂牌交易等服务。

## Energy Saving Center

- EMC Investment and Financing Transaction
- Energy Savings Transaction



▲ 环交所主办的低碳专业培训在广州成功举行



▲ 环交所与浙江省庆元县签署低碳转型综合咨询服务协议

## 低碳转型咨询服务

- **低碳试点规划咨询：**低碳发展规划和城市减排方案，低碳园区建设咨询和区域碳资产管理，区域温室气体盘查、潜在减排领域甄别和碳资产开发。
- **低碳技术引进和投融资：**国际低碳技术引进和转让，节能环保项目投融资咨询，低碳试点城市招商咨询。
- **低碳能力建设：**低碳城市和区域碳资产管理专业培训（资质证书）及成果转移。

## Low Carbon Transition Service

- Planning and Consulting Services for Low-Carbon Pilot Programs
- Introduction and Promotion of Low-Carbon Technology and Financing Services
- Capacity Building and Professional Training



▲ 瑞典环境大臣率团访问环交所



▲ 环交所与商务部中国国际经济技术交流中心、加拿大萨斯省电力集团签订合作备忘录

## 国际业务

- **“绿色新动力”可持续发展联盟：**帮助国外低碳技术及服务企业、国际组织及非政府机构拓展中国绿色市场的“一站式”服务，涵盖市场调研、策略咨询、政府事务及业务伙伴关系、机构注册及办公场地、宣传推广等服务内容。
- **国际低息融资服务：**联合众多国际开发性金融机构及银行，为符合条件的节能环保项目和市政基础设施项目提供较低资金成本的国际融资渠道。

## International Business

- Fresh Green Impetus(FGI)-Sustainable Alliance
- International Financing Services



Membership  
Services

## 会员服务

环交所实行会员制，已形成完善的会员服务体系，能有效地为客户提供项目包装、专业咨询、财务顾问、审计、评估、法律、拍卖、招投标和网络竞价等一系列专业化服务。

**买方会员：**环境权益的直接购买方；

**经纪会员：**在环交所内为买卖双方提供环境交易服务的专业机构；

**服务会员：**为环境交易提供专业化服务的中介机构，包括咨询公司、律师事务所、会计师事务所、拍卖公司、招投标公司。

**Buyer Membership:** Buyer members are the direct purchasers of environment equity.

**Broker Membership:** Broker members are provided professional services related to the environment equity transaction for project owners and investors.

**Service Membership:** Service members are organizations that provide professional services, including consulting firms, law firms, accounting firms, auction firms, and bid solicitation firms.

▶ 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



Services and  
Supports

服务支持

**交易鉴证**  
Trading Authentication

资格审查  
Qualification Examination

信息披露  
Information Disclosure

交割监督  
Delivery Supervision

凭证出具  
Certificate Issuance

**市场服务**  
Market Services

交易咨询  
Transaction Advisory

方案设计  
Project Design

项目推介  
Project Promotion

招标采购  
Bid Solicitation and Auction

**能力建设**  
Capacity Building

课题研究  
Subject Research

环保宣传  
Environmental Protection Publicity

专业培训  
Professional Training

论坛会议  
Forum & Meeting

Market  
Promotion

## 市场培育

### 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。

### Beijing Emissions Trading Association (BETA)

Beijing Emissions Trading Association (BETA) is a carbon trading market organization, jointly established by CBEEX 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.



▲ 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



▲ 北京绿色金融协会第一届第三次理事会会议



▲ “熊猫标准”开发是国际经验和中国实践的成功结合



▲ 中央电视台《新闻联播》节目专门对“熊猫标准”进行了报道

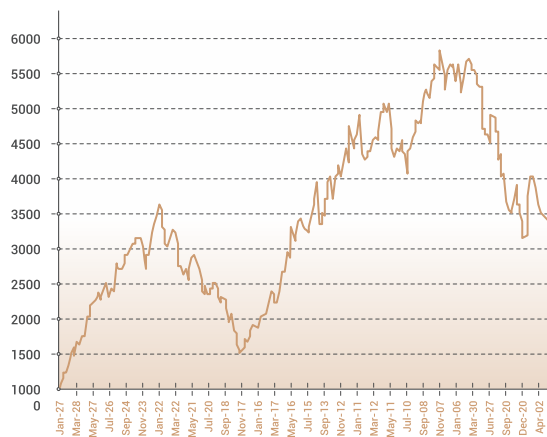
## 熊猫标准

“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，并得到了亚洲开发银行和中国财政部的支持。“熊猫标准”1.0 版聚焦于农林行业减排方法学的开发与优化，使之更贴近中国等发展中国家的实际情况，为统筹解决减排与减贫这两大挑战提供强有力的专业工具，通过碳交易推动建立市场化生态补偿机制和低碳扶贫新途径。目前已完成世界上首个竹子造林方法学，成功用于中法合作云南竹林碳汇项目开发并完成首笔交易，为发展中国家扶贫性减排项目开发树立了成功典范。

## The Panda Standard

The Panda Standard is the first voluntary GHG offset standard in developing countries. It is developed by China Beijing Environment Exchange, Bluenext, China Forestry Exchange and Winrock International and supported by Asian Development Bank and China's Ministry of Finance. The Panda Standard Version 1.0 focus on the development and optimization of emission reduction methodology for Agriculture and forestry industry; making it more suitable for the developing countries; providing powerful tool to the issues of emission and poverty reduction; promoting the establishment of Market mechanism for ecological compensation and Low carbon poverty alleviation. Currently, the Panda Standard has completed the first bamboo forestation methodology in the world. This methodology has been successfully used for China-France cooperation in the development of Yunnan bamboo forest carbon sink project and has done the first transaction; setting a successful example of poverty alleviation emission reduction project development for developing countries.





环交所与硅谷优点资本共同开发和发布“中国低碳指数”

## 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该指数的升级版。“中国低碳指数”的样本股由总部在中国内地、在低碳经济领域表现突出、分别在内地、香港和美国上市的 40 家公司股票构成，是全球首个对中国低碳产业发展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。

## China Low-Carbon Index

CBEEEX partnered with VantagePoint to produce "China Low-Carbon Index", and collaborated with China Securities Index co., LTD to publish the updated version of the index. The sample stocks of "China Low-Carbon Index" consist of 40 Chinese corporations who have outstanding performance in the field of low carbon economy and respectively listed in Mainland-China, Hongkong and United States. It is the first index that quantize and pricing China's low-carbon industry development degree, establishing market benchmark for low-carbon financing.

## 传播推广

为普及低碳发展理念、推进市场机制建设，环交所开展了立体全面的传播活动。

**会议论坛：**北京“地坛论坛”年会、纽约“中美低碳经济会议”年会、联合国气候变化框架公约年度缔约方大会（COP）碳市场系列主题边会、各种碳市场专题研讨会。

**图书：**北京金融资产交易所董事长兼总裁、环交所首任董事长熊焰先生的专著《低碳之路》、《低碳转型路线图》对普及低碳发展理念产生了很大的影响。

**信息产品：**针对碳市场各类利益相关方，环交所推出了《碳市场》电子信息产品及“每日碳讯”手机短信服务。

## Marketing Practice

To popularize the concept of low-carbon development, and promote the construction of the market mechanism, the CBEEEX has launched a three-dimensional and comprehensive dissemination activity.

**Events:** Beijing Earth Temple Forum annual meeting; New York China-US Low-Carbon Economy Conference annual meeting; United Nations Framework Convention on Climate Change, the annual conference of the parties, carbon market side meeting; various carbon market workshop;

**Books:** Publications such as ROAD TO CLEAN FUTURE and LOW CARBON TRANSITION ROADMAP by Mr. Xiong Yan, Chairman and President of CFAE, and former chairman of CBEEEX, significantly advocate the low-carbon development concept.

**Information Products:** For all kinds of carbon market stakeholder, CBEEEX launched an electronic magazine Carbon Market, and CarbonInfo, daily newsletter SMS service.



▲ 第九、十届全国人大常委会副委员长成思危先生在“地坛论坛”发表主旨演讲



▲ 从哥本哈根到德班，北京环交所通过主办历次COP会议的碳交易系列边会，积极参与德班“中国角”活动，让世界深入了解中国碳市场



▲ 纽约证交所集团CEO邓肯·尼德奥尔先生在北京环交所、纽约证交所和Bluenext交易所联合主办的“中美低碳经济会议”上发表专题演讲

Cooperation and  
Partnerships

合作伙伴

国内 Domestic

N CSC

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  
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China Clean Development  
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