



中华人民共和国生态环境部

Ministry of Ecology and Environment of the People's Republic of China



全国碳市场建设相关进展

China's National ETS Progress

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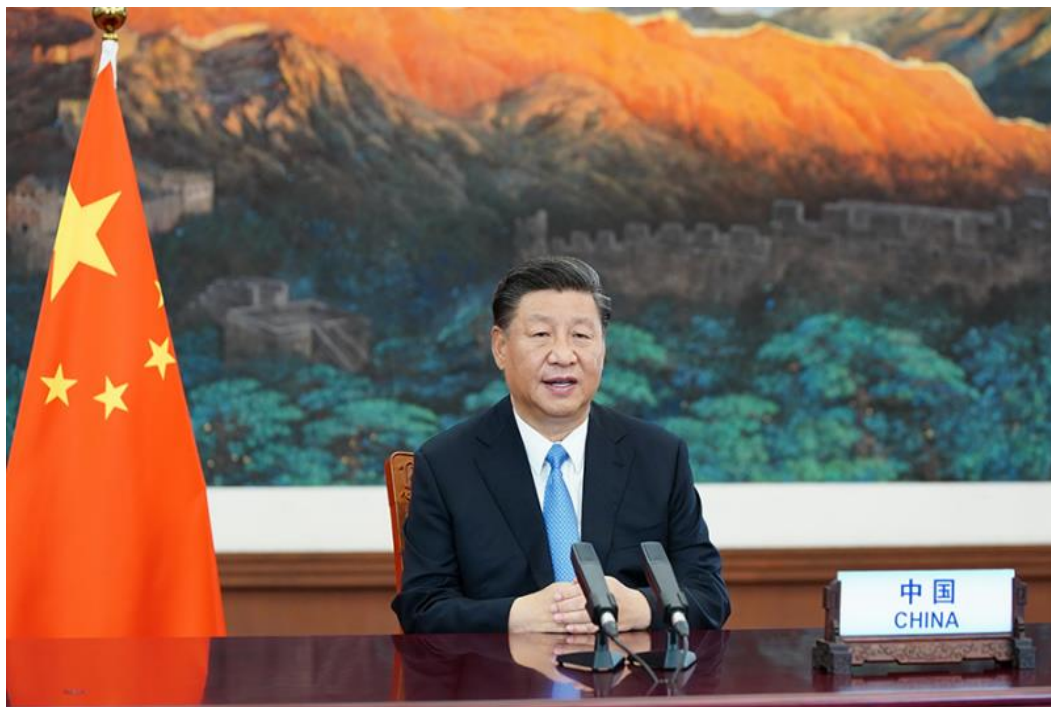
建设进展 Construction progress

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下一步考虑 Next steps



1. Background



➤ 2020年9月22日，习近平主席在第七十五届联合国大会一般性辩论上郑重宣示：中国将提高国家自主贡献力度，采取更加有力的政策和措施，二氧化碳排放力争于2030年前达到峰值，努力争取2060年前实现碳中和。

At the general debate of the 75th Session of the United Nations General Assembly on September 22, 2020, President Xi Jinping announced that China would scale up its Intended Nationally Determined Contributions by adopting more vigorous policies and measures and that China aims to have CO₂ emissions peak before 2030 and achieve carbon neutrality before 2060.

➤ 中国承诺实现从碳达峰到碳中和的时间，远远短于发达国家所用的时间，需要付出艰苦努力。China's commitment to achieving carbon neutrality from CO₂ emissions peaking is much shorter than that of developed countries, which requires great efforts.



1. Background



➤全国碳排放权交易市场是利用市场机制控制和减少温室气体排放、推进绿色低碳发展的一项重大制度创新，也是推动实现碳达峰、碳中和的重要政策工具。

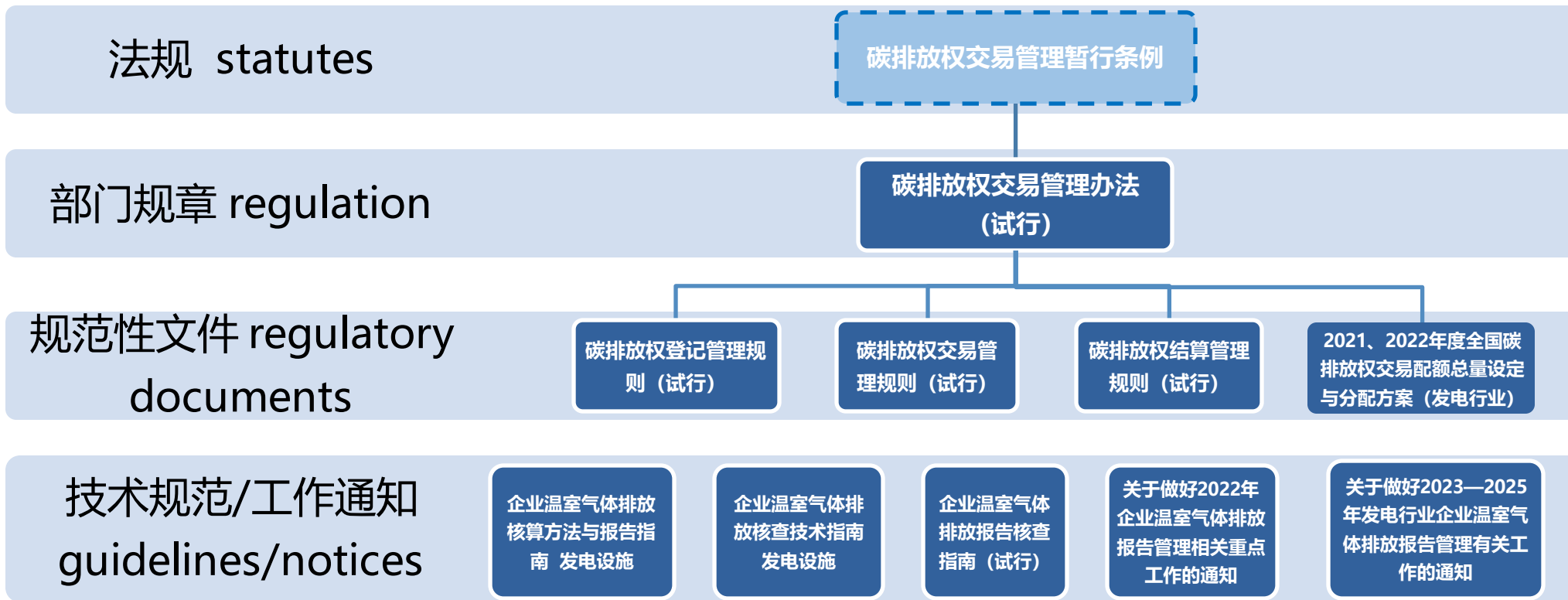
China's national ETS is a major institutional innovation that uses market mechanism to control and reduce GHG emissions as well as promote green and low-carbon development. It is also an important policy tool to promote CO2 emissions peaking and carbon neutrality.

➤2021年7月16日，全国碳市场正式启动上线交易。第一个履约周期纳入年温室气体排放达到2.6万吨发电行业重点排放单位2162家，年覆盖二氧化碳排放量约45亿吨。

On July 16th 2021, the national carbon market launched trading. In the first compliance cycle, 2162 enterprises in power generation sector were included, covering about 4.5 billion tons of CO2 emissions per year.



建立符合中国实际的制度体系 Institutional framework





支撑系统 Supporting systems

Emission data reporting system

排放报告系统



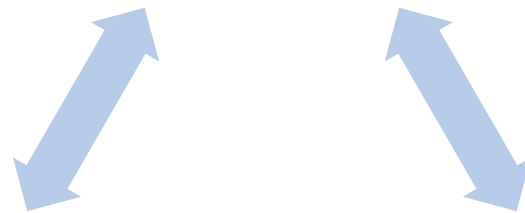
全国碳市场管理平台
National Carbon Trading Market Management Platform

Registry system

注册登记系统

交易系统

Trading system





数据质量管理 Data quality management

- 强化日常监管，建立了“国家-省-市”三级联审的数据质量管理机制

established ‘national-provincial-municipal’ data quality management mechanism

- 在年度排放报告和核查基础上，通过月度信息化存证强化数据管理

based on annually reporting and verification, monthly data and information storage was added to enhance data management

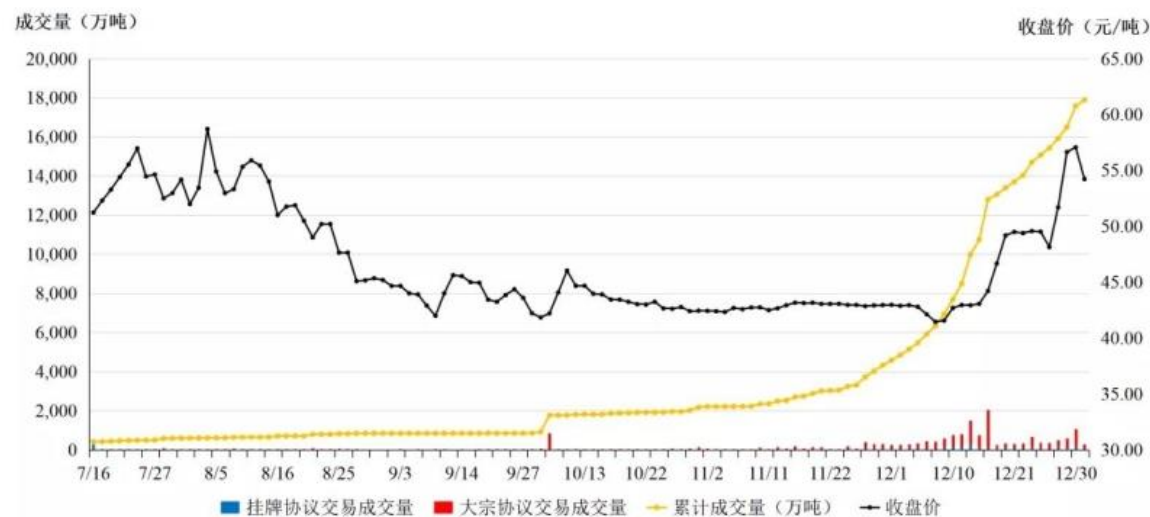
- 通过大数据、区块链技术提升监管工作效率

big data and block chain technology were used to enhance supervision efficiency



- 第一个履约周期履约率99.5%（按履约量计）。
The compliance rate for the first cycle is 99.5% (accounting by compliance amount).
- 打通了关键流程环节，市场运行健康有序。
The market operates in a healthy and orderly manner .
- 截至2023年4月底，配额累计成交量2.34亿吨，累计成交额107.2亿元。 By the end of Apr 2023, the cumulative trading volume of the allowance is 234 million tons, and the cumulative transaction volume is 10.72 billion Yuan.

交易和履约 Trading and compliance



Trading volume and price in 2021



- 基于碳排放强度控制的市场，配额分配采用基准法免费发放

carbon intensity based ETS and allowances are distributed for free using the benchmark method

- 以发电行业为突破口率先启动全国碳排放交易体系，完善市场监管，切实防范金融风险

take the lead in launching national ETS in power generation sector, improve market supervision, and effectively prevent financial risks

- 坚持碳市场作为控制温室气体排放政策工具的工作定位，以履约为目的，价格发现机制作用初步显现

insist on the positioning of carbon market as a policy tool for controlling GHG emissions, with the goal of compliance, and the role of price discovery mechanism is initially evident



- 推动电力行业绿色低碳发展转型 promote the transformation of green and low-carbon development in power sector

截至2021 年底，中国可再生能源发电装机达到10.63 亿千瓦，占总发电装机容量的44.8%。

By the end of 2021, China's installed capacity of renewable energy reached 1.063 billion kilowatts, and accounted for 44.8 percent of the total.

- 首次将碳减排责任在全国范围内压实到企业，增强企业“排碳有成本、减碳有收益”的低碳发展意识 the responsibility for carbon emission reduction has been consolidated nationwide to enterprises, enhancing their low-carbon development awareness of 'carbon emissions have costs, and carbon emission reduction has benefits'

目前超过80%的重点排放单位配备了专职人员。 *More than 80% covered enterprises have arranged specialized person.*

- 探索中国工业企业纳入碳市场管理的路径和方法，为纳入其他行业奠定坚实基础 explore the path and methods for Chinese industrial enterprises to be covered by national ETS, laying a solid foundation for expanding coverage of other industries



进一步完善制度机制 Further improve institutional systems

强化数据质量管理 Strengthen data quality management

持续强化市场功能建设 Continuously strengthen market function

完善温室气体自愿减排交易机制 Improve the voluntary GHG emission reduction trading mechanism



谢谢!

Thank you for your attention!