

China's NDC as a developing country and its carbon market development

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About us



Local Presence - Global Reach

280 employees worldwide



-  Regional office
-  Headquarters
-  Representations
-  Climate impact/renewable energy projects

Our solutions



Carbon Credit Solutions

- Carbon credits (offset credits)
- Eco-gas for public utilities and energy provider
- Carbon Project Design
- Insetting



Renewable Energy Solutions

- GoldPower
- Guarantees of Origin (GoO)
- I-REC - the international REC standard
- Green e
- US RECS



Green Finance

- Fund Advisory (renewable energies, clean technologies)
- Due Diligence Services
- Investment Climate Impact Assessment



Sustainability Advisory

- Advisory on clean supply chains, water risks, city-level climate programs
- GHG Accounting
- Svante GHG Software tool
- Labels
- Monitoring, reporting and verification

Country Background

A developing country, with average GDP 8000 USD/ capita, about 1/4 of European Union or 1/7 of United states

On average, it is still a poor country. 660 million people on average earns less than 5 USD/day

Fossil fuel (or coal) will not be replaced any time soon, due to its abundance in China and cheap cost.

Further Development : rural area urbanization, consumption upgrade

Meanwhile,

It is the number 1 emitter, with huge international pressure

China NDC by 2030

Based on its national circumstances, development stage, sustainable development strategy and international responsibility, China has nationally determined its actions by 2030 as follows:

To achieve the peaking of carbon dioxide emissions around 2030 and making best efforts to peak early;

To lower carbon dioxide emissions per unit of GDP by 60% to 65% from the 2005 level;

To increase the share of non-fossil fuels in primary energy consumption to around 20%;

To increase the forest stock volume by around 4.5 billion cubic meters on the 2005 level.

Carbon market as part of NDC

As part of NDC, China now is promoting its own Carbon Emission Trading Market and will launch its national carbon market by end of 2017

It is expected China's ETS will be the world's largest cap-and-trade system with some estimates stating that its cap could be at least twice the size as that of the EU, where emissions are currently capped at around two billion tonnes.

Preparation work before launch of national ETS (2013 to 2016)

7 cities and provinces are selected for pilot Cap and Trading schemes implementation. Those 7 pilot areas have different development levels and industrial focuses

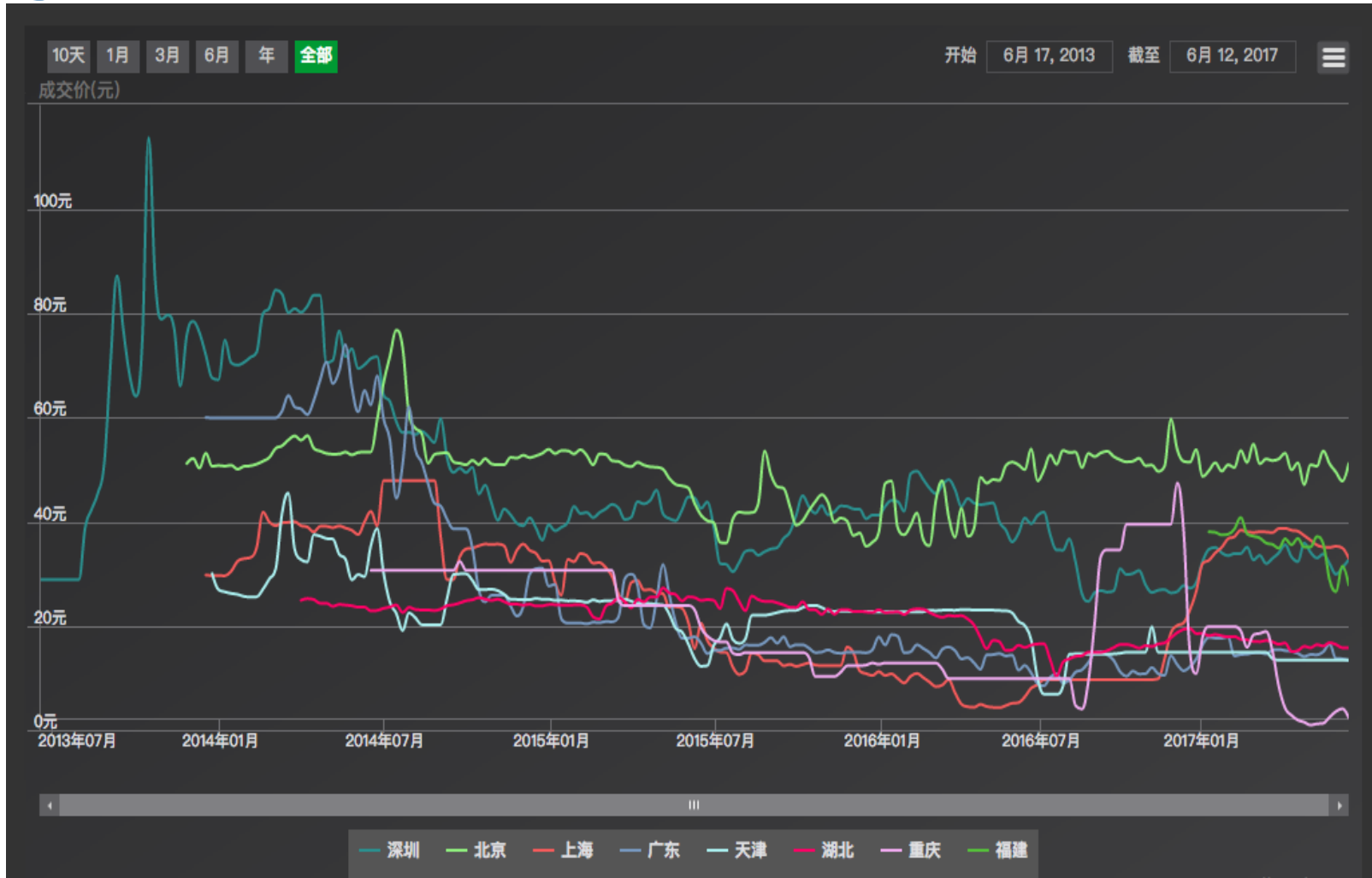
Big companies from industries such as power generation, iron & steel, cement production were included

Universal monitoring, reporting & verification guidance were made.

During pilot phase, most allowances were given for free in large quantities.

Offset mechanism (China Certified Emission Reductions) is designed. Project types such as Renewable Energy, Cookstove, Reforestation, Forest Management etc can issue credits and sell them in the China carbon market to get additional funding.

Allowance price between 2013 to 2017 for 7 pilot regions



Trading summary of last week (2017.06.19 to 2017.06.13)

	Trading volume (ton)	Trading value (USD)	Average trading price (USD/ton)
Guang Dong	546,865	1,029,106	1.88
Shen Zhen	271,705	1,009,733	3.72
Tian Jin	1,520	2,707	1.78
Bei Jing	92,565	496,376	5.36
Shang Hai	1,388,829	6,983,565	5.03
Hu Bei	926,506	2,054,738	2.22
Chongqin	31,521	6,842	0.22
Total	3,259,511	11,583,067	3.55

South Pole Group

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Thank you!

