Guangdong ETS

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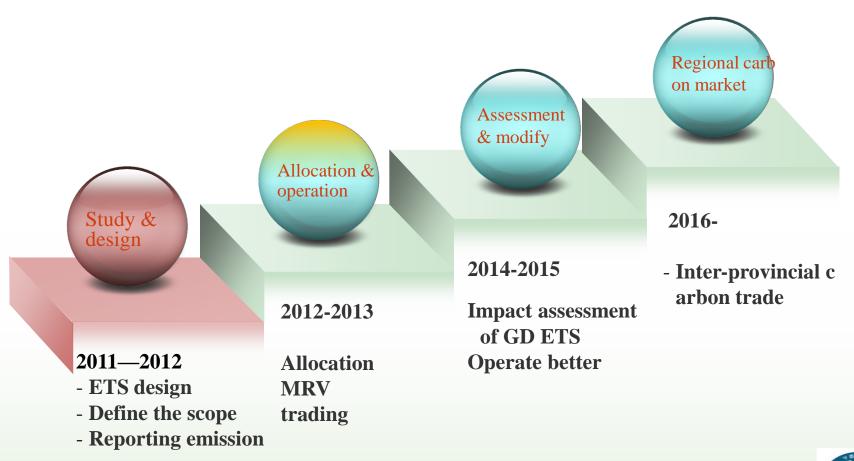






1-1 GD-ETS Pilot planning

GD-ETS target: up to 2015, GD-ETS can be on operation and try to form a regional carbon market with other province.







1-2 Set up a multi-level leadership



Provincial leading group on climate change

Zhu XiaoDan, Governor of Guangdong Province

Overall guild the climate change on Guangdong Province

Holding the joint conference on national low c arbon pilot work

Xu Shaohua, Vice Governor of Guangdong Province

Review the main work on low carbon pilot, and promote it.

Leading group on GD ETS pilot

Li Chunhong, Director of GD DRC

Combined 12 departments, to coordinate GD ETS pilot work





1-3 Working group



To study and design for carbon market

Involve institutes, colleges, third-part organizations and exchange

Including coordinating team, allowance team, MRV team and trading team.

(2) Working group

Ten persons from the above group working together in the GD DRC office

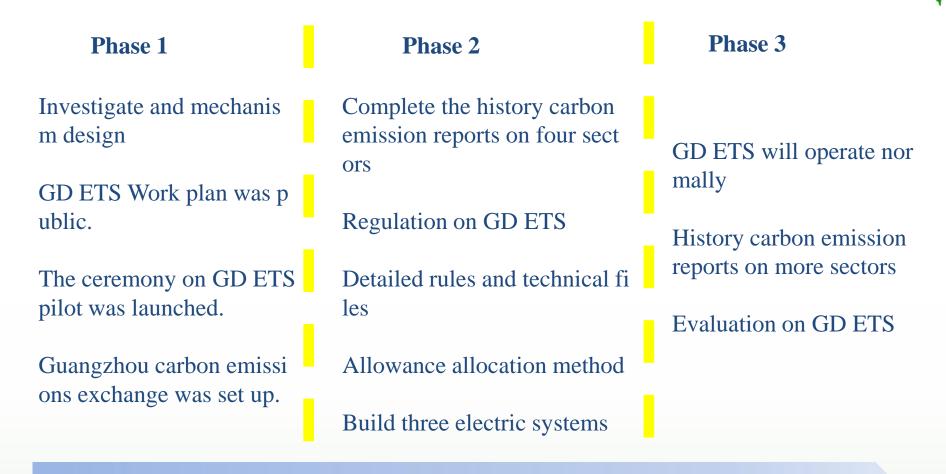
Help the GD DRC to review files and make the rules on GD ETS

To promote and implement the carbon trading market construction





1-4 Working roadmap







1-5 Key events

Time	Key events
2011.10	Guangdong province was chose as the ETS pilot
2012.3~5	Investigate the ETS experience from EU. U.S.A., Australian and so on
2012.6	Set up four research and design groups
2012.8	Exchanging the experience with other ETS pilot in Zhuhai City
	GD ETS Work plan was public.
2012.9	The ceremony on GD ETS pilot was launched.
2012.9	Guangzhou carbon emissions exchange was set up.
	Pre allowance were subscribed by the new cement plant
2012.11	The guidelines on carbon emission report in Guangdong province
2012.11	were reviewed by experts.
2013.2	The mobilization and training meeting on Guangdong provincial
	carbon emission report of key enterprises was held.
2013.3	The electric system on Guangdong provincial carbon emission report
	was on operation
2013.7	The regulation on GD ETS was public for comment
	Complete the history carbon emission reports on four sectors

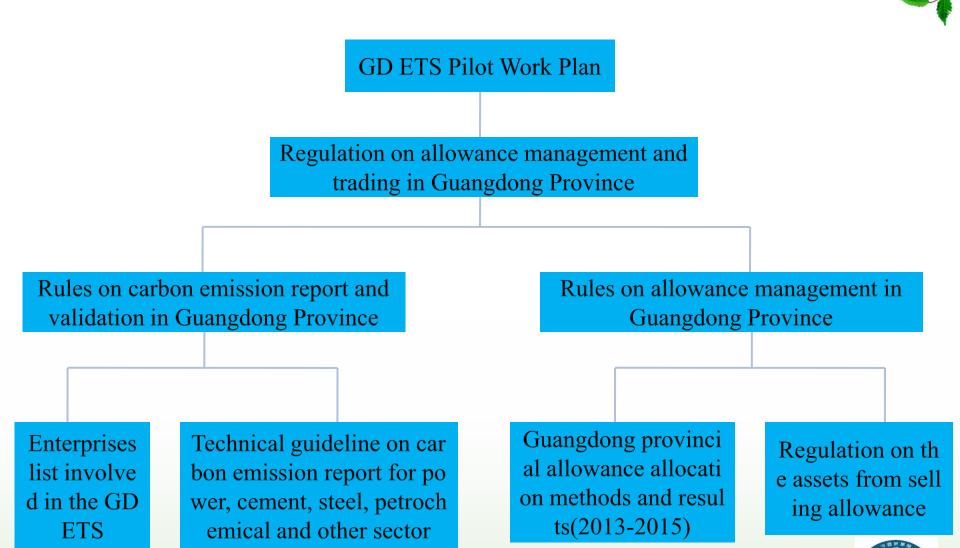








2-1 Management system frame





2-2 Scope

	Sector	Enterprises co		Enterprises repor	
	Power		71		0
	Cement	Up to20000	84	From 10000 to 20000 CO ₂ per	21
First phase	Steel	CO ₂ per year	65	year	10
	Petrochemical		9		1
	total	229		32	
Next phase	Ceramics, textile, nonferrous metal, plastic, paper	Up to20000 Cyear	CO ₂ per	From 10000 to 20 year	000 CO ₂ per
- phase	transportation	to be confi	rmed	to be confi	rmed
	building				



2-3 New entrant and quit



up to 20000 CO₂ per year in these sectors

Quit ent erprises

Annual carbon emission below 20000 CO₂ in the period

If it quit, the rest allowance should be recycle.





2-4 The Cap

GD carbon emission Target: to reduce 19.5% based on 2010 emission level, Sector policy and sector development planning.

The cap for power, cement, steel and petrochemical sector

The total allowance for existing enterprises and new entrants in every sector

The allowance for every enterprises from 2013 to 2015





2-5 General principle



The CAP setting complies with the characteristics of GD province developmental stages; under the constraint of current emission from existing enterprises, the designers shall reserve space for new entrants, optimize emission space and promote the development of low carbon.



The allowance allocation scheme guarantees that the existing enterprise carbon emission decreases year by year, the carbon emission growth of new entrants is under control, and the key enterprises play an important role in slowing down GD total carbon emission growth.



The allowance allocation oriented enterprises promote energy conservation and carbon emission reduction, close down the out-of-time production facilities, control the carbon emission from new projects, and facilitate the sector structure adjustment.



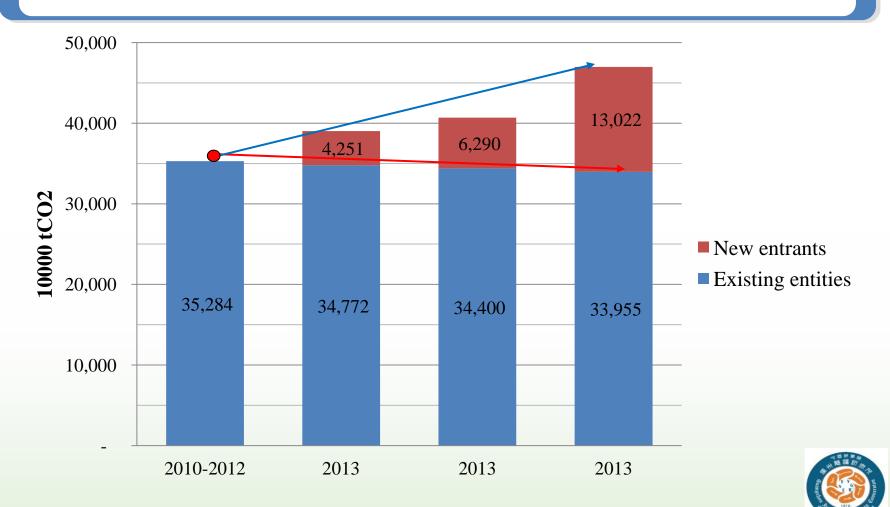
Allowance subscription market and allowance trading market depend on and influence each other, government guide and market conduct coordinate with each other, explore GD province local carbon trading mechanism, and activate carbon trading market.





2-6 The total allowance

Constraint the current emission, reserve space for new entrants





2-7 Allowance allocation method

Different sectors/process abide by different rules of allocation

	Sector	Benchmark	Grandfather
Dayyay	Pure electricity		
Power	Cogeneration		
Comont	Clinker		
Cement	Grinding		
	Long process		
Steel	Short process		
	Other		
Pet	rochemical		

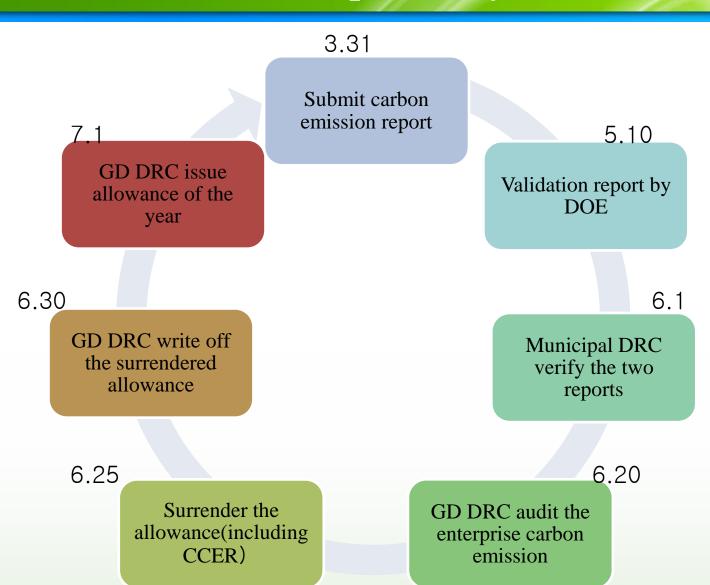
Benchmark: allowance=historical activity level × benchmark

Grandfather: allowance=historical emission × correction factor





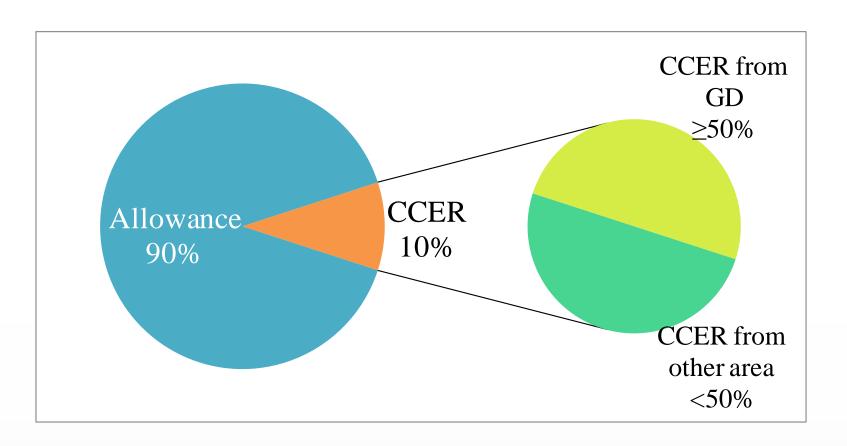
2-8 Compliance cycle











The entities is allowed to use some CCER to offset their emission.

The limitation of offset coming into the GD ETS should lower than 10% of the total allowances





2-9 MRV

Up to now, the electronic system of carbon emission is set up in Guangdong;

The main enterprises in the four sectors have reported their emission of the past t hree years.

As the time is urgent, it's a carbon emission inventory. More collect, less valida tion.

Next step, The monitoring plan must be submitted, and the actual emission of the year will be validated strictly.

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	用户名:		
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3 challenge

The common problems the seven pilots faced

- Inadequate legitimate base
- Statistics and accounting system of national and local greenhouse gas emission has not been developed
- The data quality of enterprise carbon emission is poor
- Awareness and capacity of carbon emission management and trading is insufficient

The challenge GD pilot faced

- Under the overall management of the provincial government, municipal governments play their role in GD ETS.
- The unbalanced development of districts
- The carbon emission is large in amount, involves diverse industries and complicated circumstances





- Overview of GD ETS progress
- **ETS Mechanism Design Introduction**
- 3 Challenge
- 4. Next work







4 Next work

- ➤ Call for a series of panel meetings among experts, enterprises, and relevant sectors; broadly listen to suggestions and advices from diverse parties.
- Report to NDRC climate division
- Call for joint conference to discuss and examine the related matters of authorized c arbon emission management and trading, and make provincial decision
- Organize enterprise training and online simulation trading
- ➤ Launch authorized carbon emission trading market
- Organize and deploy the carbon emission inventory of the other sectors



THANK YOU

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