



WEBINAR SERIES

Development and trading experience of Chinese bamboo carbon credits

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Outline

1. Background of bamboo forests in China

2. Bamboo forest carbon project practices in China

3. Prospect on bamboo forest carbon



1. Background of bamboo in China

- China is the Kingdom of Bamboo. In China, bamboo forest area is more than 6 million ha, 1/5 of the world's total, with more than 500 bamboo species.
- **7.75 million people work for bamboo forestry sector, and bamboo products share more than 50% of global market.**
- More than 2000 bamboo products developed in China, such as handicrafts, music instruments, mat, furniture, bamboo charcoal, pulp and paper, bamboo fiber, clothes and etc..



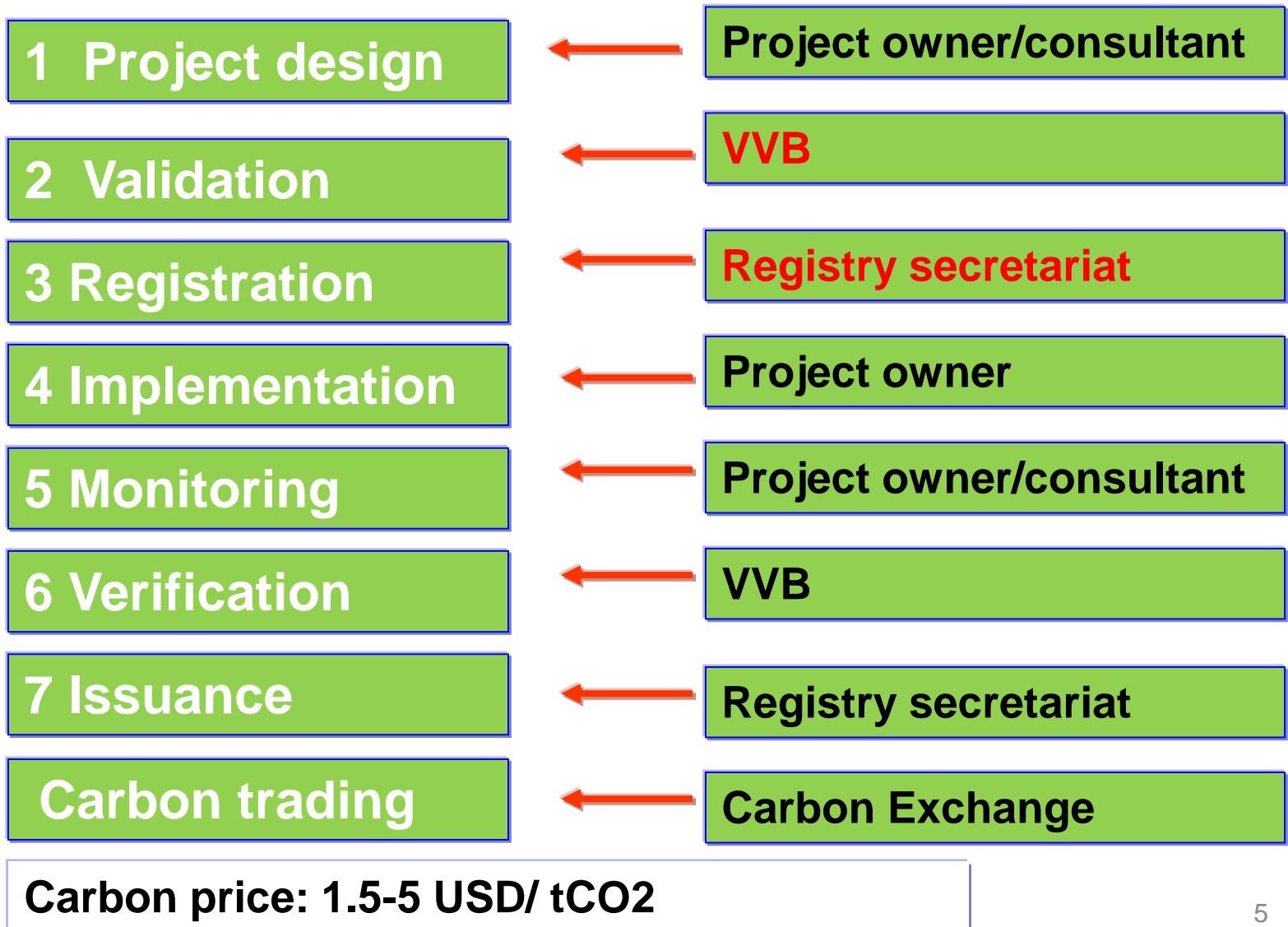
2. Bamboo forest carbon project practices in China

- CCER forest carbon project **methodologies** : 4 approved by NDRC, China; CCER(Chinese Certified Emission Reduction)
 - Methodology for CCER afforestation project
 - Methodology for CCER forest management project
 - Methodology for CCER **bamboo afforestation** project
 - Methodology for CCER **bamboo forest management** carbon project



- **Transforming above 2 CCER bamboo carbon methodologies to VCS Methodologies**

Flow chart of forest carbon project development and trading



The first CCER forest carbon project in China, registered in NDRC platform of China in 2014

中华人民共和国国家发展和改革委员会

发改办气候[2014]1681号

国家发展改革委办公厅关于同意荆门子陵铺 风电场项目等33个项目作为温室气体自愿减排 项目备案的复函

各有关单位：

按照《温室气体自愿减排交易管理暂行办法》（发改气候〔2012〕1668号）的规定，经联合相关部门审核，现就荆门子陵铺风电场项目等33个项目作为温室气体自愿减排项目的备案申请函复如下：

荆门子陵铺风电场项目等33个项目符合《温室气体自愿减排交易管理暂行办法》规定的许可条件和相关要求，同意作为温室气体自愿减排项目予以备案，具体项目备案复函内容见附件。



附件—5

广东翠峰园林绿化有限公司

广东长隆碳汇造林项目

编号 021

一、同意广东翠峰园林绿化有限公司作为广东长隆碳汇造林项目的项目业主开展温室气体自愿减排交易。

二、同意广东翠峰园林绿化有限公司根据《温室气体自愿减排交易管理暂行办法》的规定，对该项目计入期（2011年1月1日至2030年12月31日）期间产生的减排量申请备案，总量不超过35万吨二氧化碳当量。

**Guangdong Changlong afforestation project
867ha in 20 years 347,000 tCO₂(partial issued)**

The first CCER forest carbon trade

- Seller: Guangzhou Cuifeng Landscaping Company (Owner)
- Buyer: Yudian Group, a pilot carbon trading company in Guangdong
- Price: RMB 20 Yuan/t CO₂e
- Platform: Guangzhou Carbon Emission Exchange
- Purpose: Emission reduction performance
- Significance: provides a model for the development of CCER forest carbon project , accumulate project experience.

seller: Cuifeng

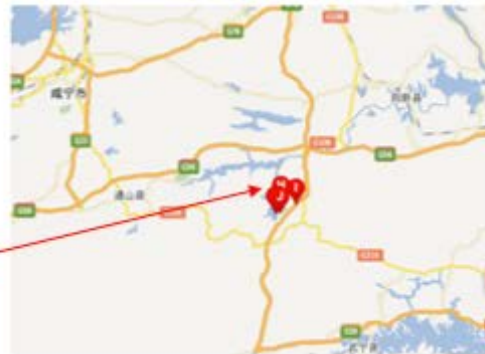
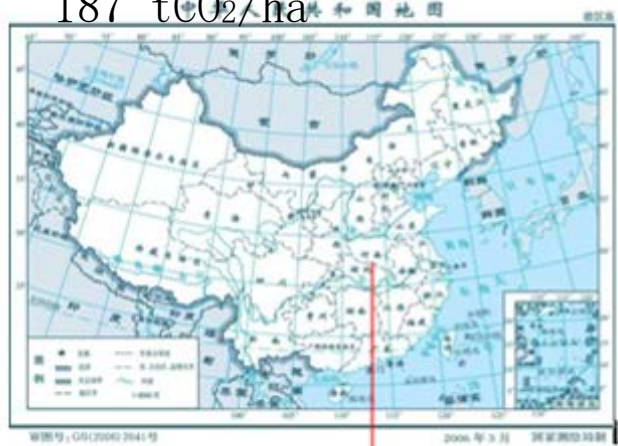


Buyer: Yuedian Group



• First CCER bamboo afforestation carbon project in China

- China- CCER
- 700.94 ha in 20 years 131,123 tCO₂ (no issued credits)
- 187 tCO₂/ha



Methodology: Methodology for CCER bamboo afforestation carbon project
Bamboo species: Moso bamboo



Tongshan ,Hubei

First CCER bamboo afforestation carbon project in Hubei, Registered on NDRC platform in China

中华人民共和国国家发展和改革委员会

发改办气候备〔2015〕391号

温室气体自愿减排项目备案通知书

各有关单位：

报来的温室气体自愿减排项目备案的申请收悉。按照《温室气体自愿减排交易管理暂行办法》(发改气候〔2012〕1668号)的规定,经联合相关部门审核,同意作为温室气体自愿减排项目予以备案。具体备案信息详见附件。



附件—17

项目备案编号	401
项目名称	湖北省通山县竹子造林碳汇项目
项目业主	通山军安生态农业有限公司
项目备案时间	2015年11月
项目类别	(一)采用经国家主管部门备案的方法学开发的自愿减排项目
产生减排量时间	2015年1月1日至2034年12月31日
预计最大减排量	131,123吨二氧化碳当量(tCO ₂ e)



First FFCER Bamboo forest management carbon project in Fujian of China

- China- CCER
- 2278.5 ha in 30 years 259,180 tCO₂
- 114 tCO₂/ha 1st monitoring period(7years): issued credits 119,415 tCO₂



图 A-1 拟议竹林经营碳汇项目的地理位置图

Shunchang, Fujian

Methodology: Methodology for CCER bamboo forest management carbon project
Bamboo: Moso bamboo

Management measures: chopping, weeding, fertilization, bamboo shoots, cutting, forest reclamation.

Carbon trading: 69000 tCO₂, RMB 1.242 million, RMB 18/t CO₂, in 2019

Buyer: Zhisheng Chemical Co. LTD

Registered by: Fujian Province Department of Ecological Environment

Lin'an Bamboo carbon afforestation pilot project

- China- SFA bamboo methodology
- 46.7 ha in 20 years 8155 tCO₂
- 175 tCO₂/ha Planted in 2008
- Registered by: China Green Carbon Foundation
- Carbon trading: RMB 18 Yuan /t CO₂
- Buyer: Alibaba



Bamboo carbon afforestation pilot project and carbon credit trade



CCER Bamboo forest management carbon project in Anji, China

- China- CCER
- 1426.27 ha in 30 years 249,658 tCO₂
- 175 tCO₂/ha
- Accounting period: 2016-1-1 to 2045-12-31



Methodology: Methodology for CCER bamboo forest management carbon project
Bamboo: Moso bamboo

Management measures: chopping, weeding, fertilization, bamboo shoots, cutting, forest reclamation.

Project Status: validation, under developing

Up to now, 4 CCER forest management projects under development.

Anji county, Zhejiang province

3.Prospect on bamboo forest carbon

- There are multi-benefits from bamboo projects , such as enhancement income for local farmers ,improvement of capacity building, community engagement, biodiversity conservation, environment improvement, climate change awareness arising, promoting social harmony
- The prospect on bamboo forest carbon in China ETS is bright
- There are potential to develop bamboo carbon projects in China, Southeast Asia, South Asia, Africa and South America.
- There are potential to develop bamboo forest management carbon projects in China.
- There are more potential to develop bamboo afforestation carbon projects in Africa. More land resources, low labor cost, and multi-benefits.

Thanks for your attention!



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