

第五届生态补偿国际研讨会

**THE 5TH INTERNATIONAL CONFERENCE
ON ECO-COMPENSATION AND
PAYMENTS FOR ECOSYSTEM SERVICES**

中国碳交易市场机制与潜力 **China Carbon Trading Mechanism and Potential**

This is not an ADB material. The views expressed in this document are the views of the author/s and/or their organizations and do not necessarily reflect the views or policies of the Asian Development Bank, or its Board of Governors, or the governments they represent. ADB does not guarantee the accuracy and/or completeness of the material's contents, and accepts no responsibility for any direct or indirect consequence of their use or reliance, whether wholly or partially. Please feel free to contact the authors directly should you have queries.

韦志洪
清华大学

Wei Zhihong
Tsinghua University

2016-11-25 昆明

Kunming

1. 中国碳排放交易机制

Carbon emission trading mechanism in China

建立两个碳排放交易机制：

There are two mechanisms

1. 温室气体自愿减排碳交易机制（CCER）

GHG voluntary emission reduction trading (CCER)

2. 碳排放权交易机制（CCERT）

Carbon emission rights trading (CCERT)

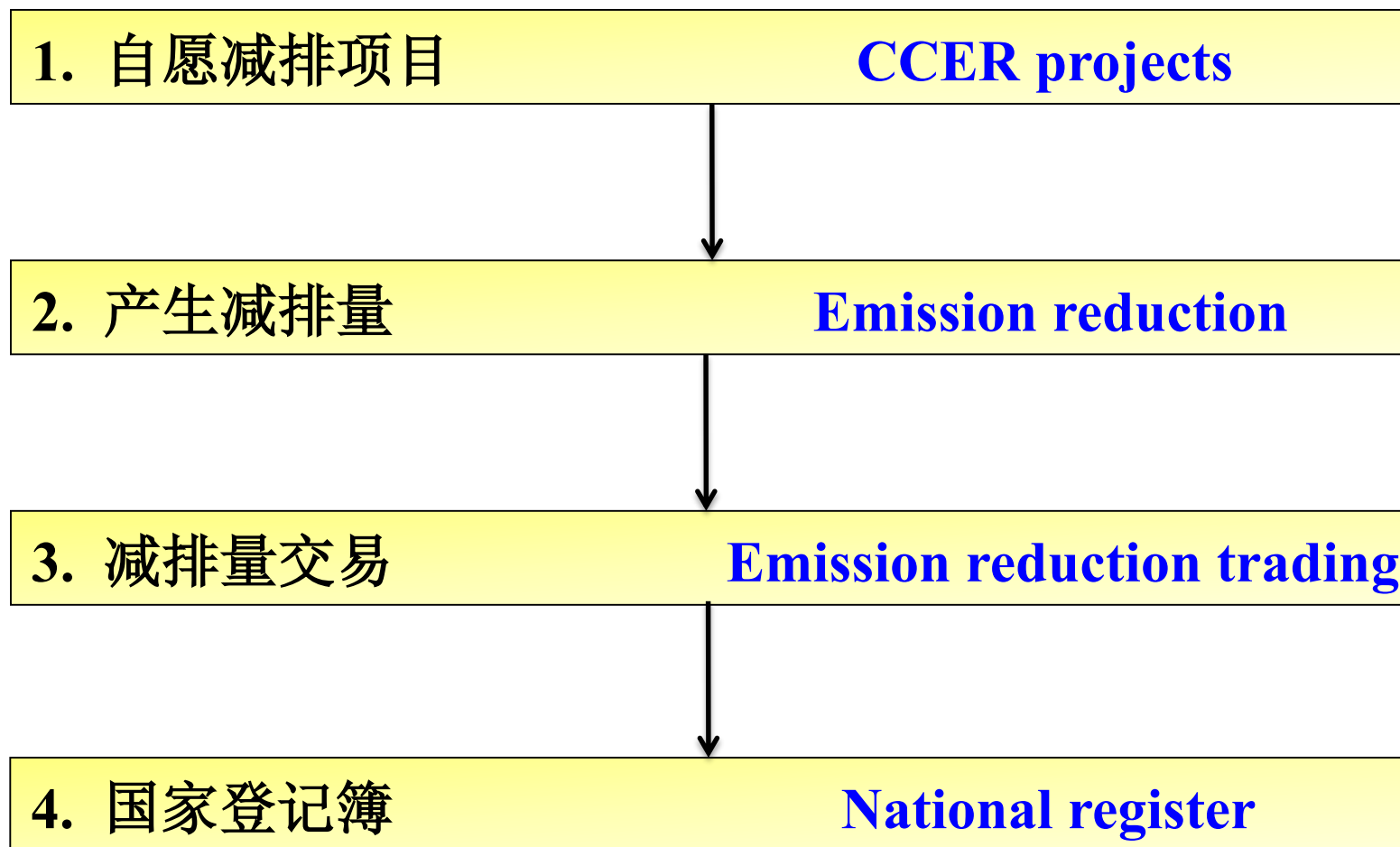
2. 《温室气体自愿减排交易管理暂行办法》 国家发改委 2012-6-13

《Provisional Rules on GHG Voluntary Emission Reduction Trading》, NDRC, June 13, 2012

- 实现2005-2020年单位GDP碳排放强度下降目标
Achieving the goal on reducing carbon intensity per GDP set for the period 2005-2020.
- 完成《十二五规划纲要》提出逐步建立碳排放交易市场的任务
Fulfilling the task of gradually establishing carbon emission trading market set by 《The twelfth Five-year Program Outline》
- 探索碳交易程序与规范，为建立碳排放权交易市场积累经验和奠定技术、规则基础。
Exploring procedure and standard and accumulating experiences and techniques needed in building carbon emission rights trading market.

2.1 自愿减排碳交易程序

Voluntary Emission Reduction Trading flowchart



2.2 CCER 项目申报 (截至 2016-11-13)

CCER project statistics until Nov.13, 2016

项目审定 Project validation	公示 Publicity	2,538
	备案 Ratify	861
减排量核证项目 Emission reduction verification of project	公示 Publicity	616
	备案 Ratify	254

3. 《碳排放权交易管理暂行办法》

国家发改委 2014 - 12 - 10

《Provisional Rules on Carbon Emitting Rights Trading》, NDRC, Dec 10, 2014

- 加强对GHG排放的控制和管理，规范碳排放权交易市场的建设和运行。

**Strengthening the control and management of GHG emission,
and standardizing the building and operation of carbon emission rights trading.**

- 对碳排放权交易活动的监督和管理

Supervising the activities of carbon emission rights trading

3.1 CCERT 分阶段建立

Building CCERT by steps

(1) 2013-2016: 试验、准备阶段

北京、天津、上海、重庆、湖北、广东、深圳

2013-2016: Pilot and preparation, Beijing, Tianjin, Shanghai, Chongqing, Hubei, Guangdong, Shenzhen

(2) 2017-2019: 全国碳交易市场启动阶段

重点行业: 石化、化工、建材、钢铁、有色、造纸、电力、航空

2017-2019: Start-up of national carbon trading market

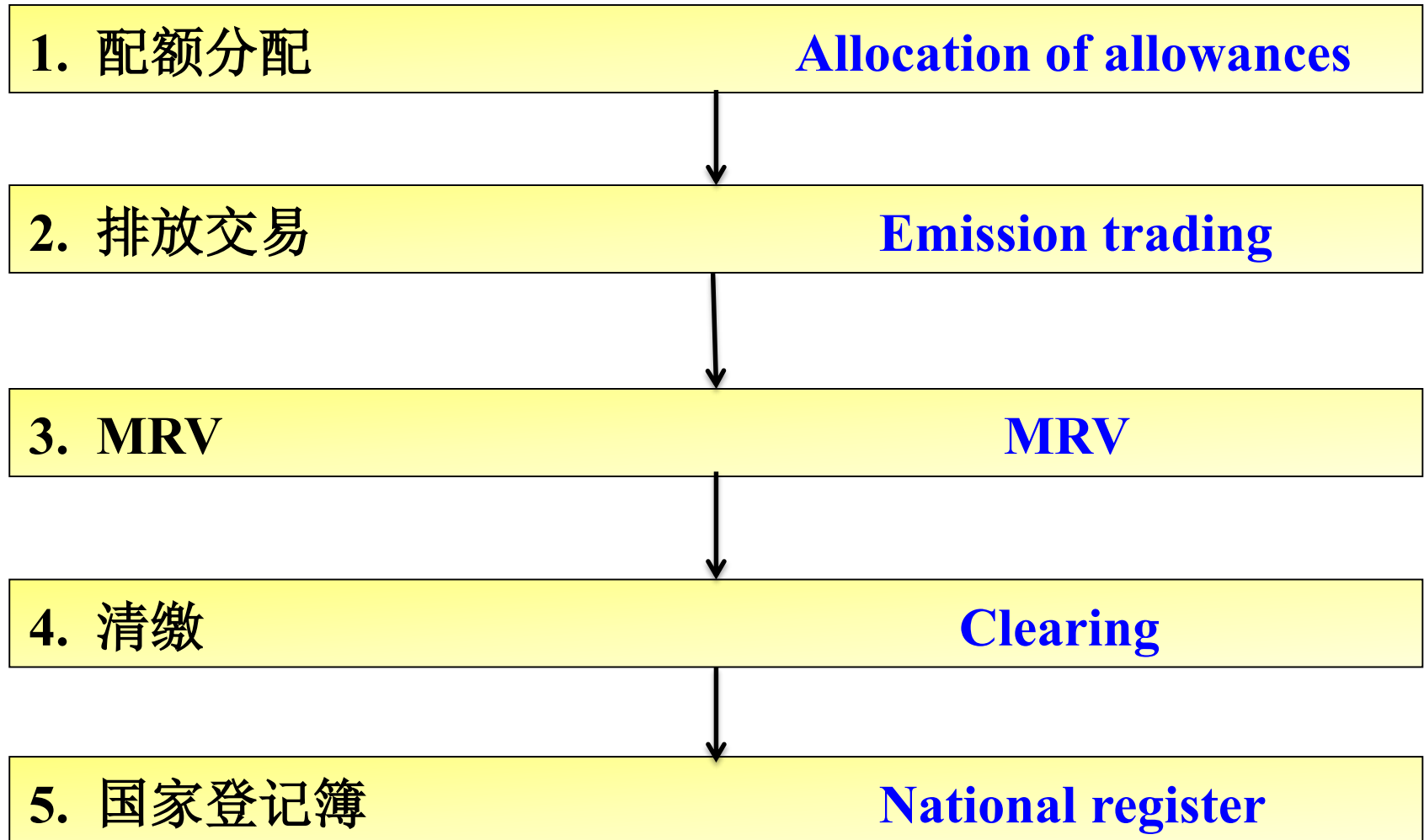
Key sectors: PetroChemical, Chemical, Building material, Steel and iron, Nonferrous metal, Paper, Power, Aviation

(3) 2019后: 全国碳交易市场完善运行阶段

After 2019: Regular national carbon trading market

3.2 碳排放权交易程序

Carbon Emission Rights Trading flowchart



4. CCER 与碳排放权交易机制

Linkage between CCER and CCERT

中国碳交易市场
Carbon emission trading market in China

自愿减排交易
CCER

项目减排量
Project
emission
reduction

试点省市准入规定：
Constraints in pilot

数量比例 Quantity ratio

项目所在地域 Region

项目类型 Project type

减排量产生时间 Time duration

碳排放权交易
CCERT

排放配额
Emission
allowance



5. 碳交易量统计 (截至 2016年9月)

Carbon trading statistics until Sep. 2016

碳交易量 (百万 tCO ₂) Carbon trading (million tCO ₂)	碳交易金额 (百万元) Carbon trading amount (million Yuan)
120	3,200

6. 碳交易展望

Forecast of carbon trading

- (1) 从现货交易逐渐扩展到碳期货、期权等

Transition from spot goods to futures, option.

- (2) 根据保守的预测：

Based on conservative forecast:

在碳交易第2阶段，碳交易规模可达到 600-800 亿元

Carbon trading 60-80 billion Yuan a year during 2nd period

在碳交易第3阶段，碳交易规模可达到 1,000-1,200 亿元

Carbon trading 100-120 billion Yuan a year during 3rd period

7. 目前的主要工作

Key tasks at present

1. 修订《温室气体自愿减排交易管理暂行办法》，颁布《温室气体自愿减排交易管理办法》。

Issuing 《Rules on GHG Voluntary Emission Reduction Trading》 based on revising 《Provisional Rules on GHG Voluntary Emission Reduction Trading》 .

2. 修订《碳排放权交易管理暂行办法》，颁布《碳排放权交易管理条例》。

Issuing 《Regulations on Carbon Emitting Rights Trading》 based on revising 《Provisional Rules on Carbon Emitting Rights Trading》

谢谢！

Thanks !