

# 中国碳收集科技发展展望

— 在“CO<sub>2</sub>减排、富集、利用与埋存”会议上的报告

**Perspective on CSS Science and Technology Development  
at GCEP International Workshop**

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# 目前的进展状况

## updated Progress

碳收集技术包括三个方面：

二氧化碳收集、运输和安全储存

**Carbon Capture and Storage (CCS) covers CO<sub>2</sub> capture, transportation and safe storage.**

## 目前的进展状况 **updated Progress**

中国部分研究机构开展了这方面的研究，例如，二氧化碳收集技术及作为化工原料，或用二氧化碳增加煤层气回收等。总体来看，这方面的研究还基本上处于起步阶段，在国家层面，还没有系统的关于碳收集科学技术的发展政策。

**Some academic institutes studied such technologies, for instance, CO<sub>2</sub> capture technology, technology to capture CO<sub>2</sub> as the feed-stock, and utilization of CO<sub>2</sub> for CBM recovery. In general, CCS study in China is at initial stage. There is no guiding policy for the CCS science and technology development.**

# 目前的进展状况

## Updated Progress

**2003年**，中国参与了谈判制定碳收集领导人论坛宪章并签署了该宪章，作为该论坛的创始成员国之一。

**2005年**，中国制定国家中长期科技发展规划时，把碳收集作为其中的内容纳入了规划中。

**In 2003, China participated in the negotiation on the Charter of the Carbon Sequestration Leadership Forum (CSLF) and signed the Charter late, being one of the initiating Parties to CSLF.**

**In 2005, the CCS technology was integrated into the National Medium- and Long-term Science and Technology Development Plan towards 2020 when the Chinese Government formulated the Plan.**

# 未来碳收集科技发展展望

## Perspective on CCS S&T development

◆ 基本考虑：积极跟踪国际发展，适度开展研发活动；以规划指导长期发展；近期科技工作以结合具有经济效益的研发和示范活动为主线。

◆ **Initial thoughts: closely follow the international CCS S&T development; organize domestic CCS studies in an appropriate way; formulate the CCS technology development strategy to guide the long term development; In short term, the CCS technology R&D should focus on those technologies and demonstration projects with economic benefits.**

# 未来碳收集科技发展展望

## Perspective on CCS S&T development

近期主要工作:

1. 制定碳收集科技发展计划，并争取纳入十一五国家科技发展计划；
2. 积极参加碳收集领导人论坛活动；
3. 做好与欧盟的碳收集合作项目的组织实施工作
4. 拓展与有关国家等开展技术研发和示范项目合作；
5. 开展专家交流活动使中国专家能够参加其它发达国家的科技研发活动。

**Main activities in near future:**

1. **To formulate the CCS S&T development plan and integrate such plan into the national 11th five-year S&T development plan;**
2. **To actively participate in the CSLF activities;**
3. **To organize a strong team to implement the EU CCS cooperation project.**
4. **To seek more cooperation projects with other countries or regions, jointly developing CCS technologies and constructing demonstration project;**
5. **To exchange experts so that Chinese experts can be involved in the CCS technology development in developed countries.**

# 未来碳收集科技发展展望

## Perspective on CCS S&T development

- ◆ 8月24日，将召开一个小范围的专家会议，讨论碳收集技术的发展现状，探讨未来碳收集科技发展的路线和方向
- ◆ 今年年底或明年年初，将召开一次碳收集学术研讨会，勾画中国未来的碳收集技术发展。
- ◆ **On 24 August, a domestic CCS seminar with participation of a small group of experts is going to be held, aiming at taking stock of CCS in China, and seeking for thoughts and ideas on the roadmap of CCS S&T development.**
- ◆ **Late this year or early next year, a CCS workshop will be held to shape the future CCS S&T development.**

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