

2016 China Coal Consumption Cap and Energy Transition International Workshop

Promoting Supply-Side Reform and Pushing Forward Regional Coal Control Implementation

China · Beijing Four Seasons Hotel
November 1-2, 2016

HOSTED BY



“中国煤炭消费总量控制方案和政策研究”课题组
China Coal Consumption Cap Plan and Policy Research Project

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As China enters its 13th Five Year Plan period, it has an opportunity not only to build a prosperous society, but also to adjust its economic development strategy and transform its economy. Forming the guidance of China's supply-side reform, China's five development principles -- "Innovative, Coordinated, Green, Open, and Shared" -- can help China accelerate the transition of its energy structure and comprehensively promote its ecological civilization building.

To this end, China's primary task for its energy transition is to reduce its dependence on coal. In 2013, China peaked its coal consumption and in 2015, China's carbon dioxide emissions declined for the first time. However, cleaning, reducing, and replacing China's coal consumption will be neither quick nor easy. In November 2014, the China Coal Consumption Cap Plan and Policy Research Project ("China Coal Cap Project") held the first international workshop on China's coal consumption cap and energy transition, focusing on the research of medium and long-term strategies for a coal consumption cap and discussing the resource, environmental, health, and climate change redline restrictions on coal use, as well as the goals of a multi-dimensional system of national, local, and sectoral coal caps. In November 2015, the second international workshop proposed recommendations and an action plan for the 13th Five Year Plan's coal consumption cap and energy transition. These recommendations laid out goals for 2020, including controlling coal consumption to no more than 3.5 billion metric tons, reducing the proportion of coal in total energy consumption to 55 percent, and trying to continually lower CO2 emissions after peaking in 2014. Together, these targets aim to significantly improve the overall efficiency of China's energy system and push China towards a more green, sustainable, and low-carbon economic development path.

The Third International Workshop on China's coal consumption cap and energy transition will be held in Beijing November 1-2, 2016. The workshop is organized by the China Energy Conservation Association and the China Coal Cap Project group, in collaboration with the Children's Investment Fund Foundation (CIFF), the World Wildlife Fund (WWF), the Energy Foundation (EF), and the Natural Resources Defense Council (NRDC), and with the support of China5e and Beijing Energy Club. This third workshop will invite related Chinese and foreign

government ministries, research institutions, industry associations, enterprises, NGOs, media and other representatives to discuss the following issues and develop policy recommendations for China's energy transition:

- Determining how China can support supply-side structural reforms, push forward its energy transition and promote sustainable economic development through long-term and systematic planning during the strategic opportunity period offered under the new economic normal.
- Determining how China can resolve excess production capacity in energy-intensive industries and accelerate industrial transition and upgrading through innovative models and the implementation of the “Made in China 2025 Strategic Plan”, in order to achieve a transformation from broad-scale and rapid extensive development to high-quality and efficient intensive development.
- Determining how to establish provincial and city coal consumption cap plans that meet ecological restriction redlines. Discussing the difficulties of implementing a coal cap, particularly with respect to dispersed coal management and the restrictive development of the coal chemical industry. Investigating possible paths toward transitioning regional energy structures and reaching CO2 emissions peak, as well as setting out interim targets for air quality and ecological improvement in key provinces and cities. Assessing how to reduce the threat to public health and how to promote regional socio-economic sustainable development.
- Determining how to facilitate the implementation of the coal cap plan via the interaction with the carbon market, tax policy, green finance innovation, regional coal quota trading pilots and other market mechanisms, and employment guarantee measures.
- Exploring how China can develop its leadership in global green governance, and, within the ‘One Belt One Road’ global economic development strategy, achieve the UN’s 2030 Sustainable Development Goals and implement the Paris Agreement, so that China and the OBOR countries mutually benefit from low carbon and green development.

Main Forum:

Promoting Supply-Side Reform, Pushing Forward China's Energy Transition

Opening Remarks

Moderator: Song Zhongkui, Secretary General, China Energy Conservation Association

09:00-09:05	Jiang Yi , Chairman, China Energy Conservation Association
09:05-09:10	Kate Hampton , CEO, Children's Investment Fund Foundation

Keynote Speeches

09:10-09:35	Using Supply-side Structural Reforms to Drive Sustainable Economic Development in China Liu Shijin, Former Deputy Director, State Council Development Research Center
09:35-10:00	Opportunities for Energy Transition under China's New Normal He Jiankun, Deputy Director, China Meteorological Administration, Former Vice President, Tsinghua University
10:00-10:25	Sweden's Efforts to Achieve 100% Non-Fossil Energy Anna Lindstedt, Swedish Ambassador to China, Former Climate Ambassador and Chief Negotiator, Sweden
10:25-10:40	Tea Break and Group Photo
10:40-11:00	Constructing a National Carbon Market: Current Status and Prospects Jiang Zhaoli, Deputy Director, Department of Climate Change, NDRC
11:00-11:20	Long-term Coal Cap Implementation Strategy Yang Fuqiang, Chief Adviser, Natural Resources Defense Council
11:20-11:40	The Practice and Strategic Significance of China's Energy Revolution Dai Yande, Director, NDRC Energy Research Institute
11:40-12:00	Green Credit International Experience Wang Xiaodong, Senior Energy Specialist, World Bank
12:00-12:20	Q&A
12:20-13:30	Lunch

Afternoon Forum 1

Using Supply-Side Reforms to Push Forward Transition and Upgrading in Energy-Intensive Industries

Keynote Speeches

Moderator : Bai Rongchun, Former Counsellor of the NDRC National Energy Administration, China Coal Cap Project Research Steering Committee Member

Reducing excess capacity in energy-intensive industries

•Coal •Steel •Electricity

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|-------------|---|
| 13:30-13:50 | Research on Supply-Side Reform of China's Coal Industry: Key Issues
Wu Lixin, Vice President, Strategic Planning Institute, Coal Science Research Institute |
| 13:50-14:10 | Using Supply-Side Reforms to Meet the Goal of Reducing Excess Capacity in the Steel Industry
Huang Dao, Director, Development, Technology & Environment Department, China Iron and Steel Industry Association |
| 14:10-14:30 | Policy Recommendations and Goals for Reaching Peak Coal Power in China's 13th Five-Year Plan Period
Yuan Jiahai, Professor at the School of Economics and Management, North China Electric Power University |
| 14:30-14:50 | How Green Bonds Can Support China's Industry and Energy Transition
Sean Kidney, Climate Bonds Initiative |

Round Table Discussion

Moderator : Pan Jiahua, Director, Institute for Urban and Environmental Studies, Chinese Academy of Social Sciences, China Coal Cap Project Research Steering Committee Member

Reducing Excess Capacity and Promoting Transition

- Policies and guarantee measures for industries' sustainable development
- Job loss and re-employing laid-off workers
- Enterprise debt risk and de-leveraging

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|-------------|---|
| 14:50-15:40 | Discussants:
Yu Zhufeng, Vice Director, Economics and Technology Research Institute, Shenhua Group
Cheng Xiaomao, Former Deputy Chief Engineer, Metallurgic Industrial Planning and Research Institute (MPI)
Zhang Weidong, Deputy Director, Planning and Development Department, China Electricity Council
Zhao Haiming, Manager, Investment and Development Department, Wuhan Iron and Steel Group Corp.
Wang Ran, Associate Professor at University of International Business and Economics
Tian Zhiyu, Deputy Director, Energy Efficiency Center, NDRC Energy Research Institute |
| 15:40-15:50 | Q&A |
| 15:50-16:00 | Tea Break |

Afternoon Forum 1

Using Supply-Side Reforms to Push Forward Transition and Upgrading in Energy-Intensive Industries

Keynote Speeches

Supply side reform in energy-intensive industries

•Coal Chemical Industry •Cement •Buildings

16:00-16:20	The Development Orientation for the Modern Coal Chemical Industry in the 13th Five-Year Plan Period Zhang Shaoqiang, Chairman, China Coal Processing and Utilization Association
16:20-16:40	Implementing the 13th Five-Year Plan Coal Regulation Targets for the Cement Industry Fan Yongbin, Director of Policy Research Institute, China Cement Association
16:40-17:00	Reducing Excess Inventories in the Building Sector and Capping Coal Liu Jing, Associate Professor, Beijing Jiaotong University School of Economics and Management
17:00-17:20	German Industry 4.0 Development: Experiences and Lessons Learned GIZ

Roundtable Discussion

Moderator : Dai Yande, Director, NDRC Energy Research Institute and China Coal Cap Project Research Steering Committee Member

Innovation-Driven Development

•Integrating Industrial and City Development •Technological Improvements in Energy Efficiency
•Renewable Energy Integration •German Industry 4.0 •Made in China 2025

17:20-18:10	Discussants: Zeng Xuemin, Former Vice Director, China Cement Association Xu Wei, Director, Institute of Building Energy Efficiency, China Academy of Building Research Liu Tong, Professor, School of Energy, Power and Mechanical Engineering, North China Electric Power University Li Leyi, Chief Engineer, Anhui Conch Cement Company Yan Yongmin, Chief Engineer, Green Research and Development Center, China Merchants Shekou Holdings,
18:10-18:20	Q&A
18:20-18:25	Closing Remarks

Afternoon Forum 2

Local Coal Control and Regional Development

Keynote Speeches

Moderator : Yang Fuqiang, Senior Advisor on Energy, Environment and Climate Change, Natural Resources Defense Council

Provincial ecological redline restrictions and coal cap plans

•Shandong •Inner Mongolia •Shaanxi

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|-------------|---|
| 13:30-13:50 | Air Pollution Management and Total Coal Consumption Control Implementation Plan in Shandong Province
Zhou Yong, Deputy Director, Institute of Science and Technology Development Strategy, Shandong Academy of Sciences |
| 13:50-14:10 | Water Resources Redline and Total Coal Consumption Control Implementation Plan in Inner Mongolia
Zhao Haidong, Professor, Inner Mongolia University |
| 14:10-14:30 | Ecological Resources Division and Total Coal Consumption Control Implementation Plan in Shaanxi Province
Bai Yongxiu, Dean, Yongxiu Shaanxi Institute of Economics and Management |
| 14:30-14:50 | Coal and Other Factors that Impact Air Pollution and Human Health
Ma Qiao, Tsinghua University |

Roundtable Discussion

Moderator: Zhang Yousheng, Deputy Director, Energy Research Institute, NDRC

Provincial coal cap and energy development strategies

- Strictly maintaining ecological redlines
- Joint prevention and control of air pollution
- Dual control of coal production and consumption
- Energy transition

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|-------------|--|
| 14:50-15:40 | Discussants:
Jiangsu Province
Shanxi Province
Henan Province
Xinjiang Autonomous Region
Ningxia Hui Autonomous Region
Guizhou Province
Sichuan Province
Yang Jintian, Deputy Chief Engineer, Chinese Academy for Environmental Planning, Ministry of Environmental Protection |
| 15:40-15:50 | Q&A |
| 15:50-16:00 | Tea Break |

Afternoon Forum 2

Local Coal Control and Regional Development

Keynote Speeches

City coal cap plans: People-oriented development and protecting public health

•Wuhan •Shijiazhuang •Xi'an

16:00-16:20	Coal Reduction and Clean Energy Transition International Experience
16:20-16:40	Total Coal Consumption Control Implementation Plan in Wuhan Xiang Dingxian, Director, Wuhan Energy Conservation Supervision Center
16:40-17:00	Total Coal Consumption Control Implementation Plan in Shijiazhuang Zhao Hui, Deputy Director, Shijiazhuang Energy Conservation Supervision Center
17:00-17:20	Total Coal Consumption Control Implementation Plan in Xi'an Xie Honghao, Deputy Executive Director, Xi'an Energy Conservation Association

Roundtable Discussion

Moderator : Qian Jingjing, Director, NRDC China Program and China Coal Cap Project Research Steering Committee Member

Cities: The key to coal cap implementation

•Air Quality Redlines •Water-Defined Cities •Carbon Emissions Peak •Managing Dispersed Coal

17:20-18:10	Discussants: Li Ting, China Chief Representative, Rocky Mountain Institute Kevin Mo, Managing Director, Paulson Institute Xu Guangqing, Associate Professor, School of Environment and Natural Resources, Renmin University of China Pan Xiaochuan, Professor at the Health Science Center, Peking University City Representative
18:10-18:20	Q&A
18:20-18:25	Closing Remarks

Afternoon Forum 3

Coal Consumption Cap Control and Market Mechanisms

Keynote Speeches

Moderator : Zhou Fengqi, Former Director General, NDRC Energy Research Institute, and China Coal Cap Project Research Steering Committee Member

Synergies between coal cap and carbon market policies

- Total coal consumption
- National carbon market
- Initial quota allocation
- Coal cap and carbon reductions

13:30-13:50	The Status and Prospects of China's National Carbon Market Building Duan Maosheng, Director of the Center for Carbon Market Research, Tsinghua University
13:50-14:10	Research on Coal Cap in Coal-Intensive Industries and Coal Quota Initial Allocation Plan Li Xueyu, Carbon Trading Analyst, Natural Resources Defense Council
14:10-14:30	Analysis on Synergies between Coal Cap and Carbon Market in Power and Cement Industries Zhang Xin, Deputy Director of the Carbon Market Department, National Center for Climate Change Strategy and International Cooperation
14:30-14:50	Constructing Carbon Markets: International Experience Daniel J Dudek, Vice President, Environmental Defense Fund
14:50-15:10	Research on Total Urban Coal Fuel and Carbon Trading Quota Systems Song Guojun, Professor of Environmental Economics and Management, School of Environment and Natural Resources, Renmin University of China
15:10-15:30	Case Study on Enterprise Carbon Asset Management and Trading Strategies Qian Guoqiang, Vice General Manager, SinoCarbon Innovation Investment
15:30-15:40	Q&A
15:40-15:50	Tea Break

Roundtable Discussion

Moderator: Hu Zhaoguang, Former Vice President, State Grid Energy Research Institute, and China Coal Cap Project Research Steering Committee Member

Energy pricing mechanisms and tax policy reform

- Phasing out fossil fuel subsidies
- Reforming energy pricing mechanisms
- Perfecting environmental and natural resource tax systems
- Water usage and emission permit trading

15:50-16:50	Discussants: Feng Shengbo, Deputy Director, Energy Systems Analysis Center, NDRC Energy Research Institute Teng Fei, Associate Professor, Institute of Energy, Environment, and Economics, Tsinghua University Xu Wen, Researcher, Research Institute for Fiscal Science, Ministry of Finance Jia Yangwen, Professor, China Institute of Water Resources and Hydropower Research, Ministry of Water Resources
16:50-17:00	Q&A

Afternoon Forum 3

Coal Consumption Cap Control and Market Mechanisms

Roundtable Discussion

Moderator: Jia Kang, Former Director, Research Institute for Fiscal Science, Ministry of Finance, and China Coal Cap Project Research Steering Committee Member

Innovation in green finance

- Green credit
- Sustainable development for banks
- Green investment guide
- Overseas green investment: lessons learned

17:00-18:00

Discussants:

Huang He, Researcher, Greenovation Hub

Sun Yiting, Director of the Sustainable Finance Project, World Wide Fund for Nature (WWF) China

Guo Peiyuan, General Manager, SynTao

Wang Xiaodong, Senior Energy Specialist, World Bank

An Guojun, Deputy Secretary-General, Green Finance Committee, China Society for Finance & Banking

18:00-18:10

Q&A

18:10-18:15

Concluding Remarks

Morning Forum

Green Development and “One Belt One Road”

Keynote Speeches

Moderator: Ye Yanfei, Deputy Director, Prudential Regulation Bureau, China Banking Regulatory Commission

09:00-09:20	The Strategic Orientation and Long-Lasting Impacts of “One Belt One Road” Li Guoqiang, Deputy Head, Institute of Chinese Borderland Studies, Chinese Academy of Social Sciences
09:20-09:40	Pushing the UN 2030 Sustainable Development Agenda with the “One Belt One Road” Initiative Zhang Xiaohua, Senior Policy Adviser, The United Nations Executive Office of the Secretary-General
09:40-10:00	Carving a Path to a 1.5 Degree Global Warming Limit and Nationally Determined Contributions (NDCs) Jiang Kejun, Researcher, NDRC Energy Research Institute
10:00-10:20	Analysis of Environmental Management Systems of “One Belt One Road” Partner Nations Ge Chazhong, Director, Environmental Policy Department, Chinese Academy for Environmental Planning
10:20-10:40	Production Capacity Cooperation and Green Indices Yang Fuqiang, Chief Adviser, Natural Resources Defense Council
10:40-11:00	The Road from the Paris Agreement: Analysis and recommendations on countries’ financing for coal projects abroad Chen Han, International Climate Advocate, Natural Resources Defense Council
11:00-11:10	Q&A
11:00-11:20	Tea Break

Round Table Discussion

Moderator : Zhao Changwen, Head of Industrial Economy, Development Research Center of the State Council (DRC), China Coal Cap Project Research Steering Committee Member

The “One Belt, One Road” global economic development strategy

- Integrating “One Belt, One Road” with “Western Expansion”: energy and environmental Issues
- Evaluating the green development indicators of “One Belt, One Road”
- Building energy transmission and the Internet

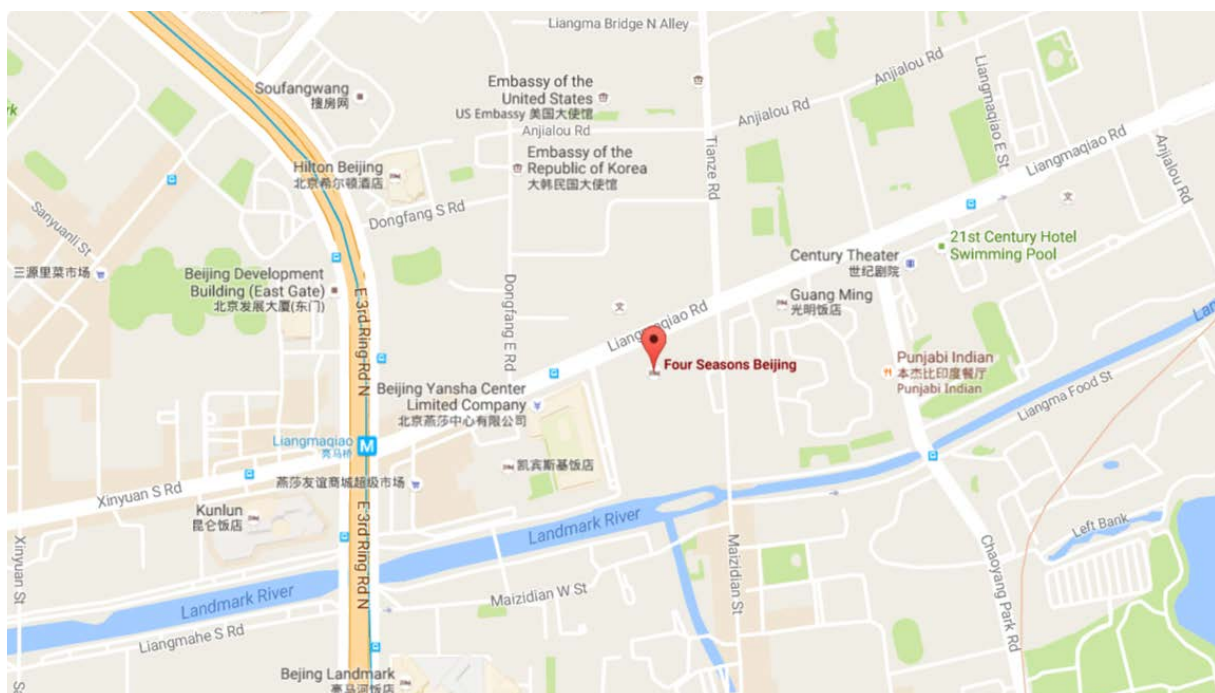
11:20-12:10	Discussants: Zhao Minghao, Associate Researcher, China Center for Contemporary World Studies Su Ming, Deputy Director, Energy Economy and Development Strategy Center, NDRC Energy Research Institute Liu Weidong, Researcher, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences Lin Hongyu, Deputy Office Director, Global Energy Interconnection Group Zhang Jianping, Director, Regional Economic Research Center, Research Institute of the Ministry of Commerce, Director of The Institute of West Asian and African Studies at Chinese Academy of Social Sciences, Director of West Asia and Africa
12:10-12:25	Q&A
12:25-12:30	Closing Remarks Ye Yanfei, Deputy Director, Prudential Regulation Bureau, China Banking Regulatory Commission

DIRECTIONS TO WORKSHOP VENUE

ADDRESS **Four Seasons Hotel Beijing**
No. 48 Liangmaqiao Road, Chaoyang District, Beijing

SUBWAY Line 10, Liangmaqiao Station, Exit C
Walk eastward along Liangmaqiao Road for 560 meters (1,800 feet)

CAR On East Third Ring Road take exit Dong Feng Bei Bridge, and merge right onto Side Road of East Third Ring North Road. At Yan Sha Bridge, turn left onto Liang Ma Qiao Road. The hotel will be on your right.



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