

中国的能源，气候与发展战略

实现技术创新及有效执行政策

ENERGY EFFICIENCY, CLIMATE AND CHINA'S DEVELOPMENT STRATEGY

Realising Technological Innovation and Effective Policy Implementation

Beijing, 9-10 September 2010

China's attempt to rebalance its pattern of development – from rapid energy intensive growth to a low carbon economy delivering improved living standards for its people - raises many unprecedented issues for policy and policy implementation. Achieving this rebalancing is vital for China's economic and social ambitions and also for the international effort to contain global warming. This conference will be sharply focused on these implementation issues. It will bring together senior government officials, academics, industry leaders, economists, policy makers, environmental management experts and others to identify and analyse policy issues in four areas: achieving future growth in a low carbon economy, achieving technological leadership in key areas, reshaping the economy to much lower energy use and increasing the role of natural gas in China's energy mix.

Towards low carbon emissions: driving future growth? Moving to a low emissions economy is normally seen as imposing big costs on the economy, as energy intensive industries are closed down and energy use is curtailed. But the shift to low carbon technologies may be so pervasive that it will unleash a new round of global growth, bringing net benefits to many countries. In this case net benefits are likely to accrue especially to those firms and countries that lead technology development and achieve economies of scale and scope. This possibility will be analysed at the conference, both for China and other countries.

Will China become a world leader in clean technologies: motor vehicles and air conditioners? In moving to the 12th Five Year Plan (2011-15), China's intention is not only to improve energy efficiency and control emissions but to become a world leader in clean technologies and to enhance China's competitive position in particular industries. The conference will study the implementation issues about which policies should be chosen and how they should be implemented in the context of both China's specific conditions and of global technology trajectories. These issues will be addressed at the macro level, but also through two case studies, of motor vehicles and air conditioners.

Achieving a new development strategy: constraints and policy options. Sharp reductions in carbon use will not occur through the use of clean technologies and renewable energy sources alone: the pattern of development needs to shift to a less energy intensive one, delivering greater welfare to the people. This has been a major theme of the Chinese Government in the 11th Five Year Plan (2006-11), but implementation has proven difficult in the wake of the global financial crisis. It is a major task, not previously attempted in any other country, to transform the structure of a rapidly growing, highly complex and dispersed economy; serious consideration needs to be given to the policy instruments that might be used, and how they might be used effectively in Chinese conditions.

The role of natural gas in China's energy transformation. Coal still accounts for more than 70% of China's energy use, while natural gas provides less than 4%. Natural gas has many potential advantages as a cleaner fuel for China, and major new supplies of natural gas have recently emerged, both in China and internationally, in terms of natural gas fields, coal seam methane and shale gas. Gas can provide base load for power generation, a complement to intermittent renewable energy supplies, or an efficient fuel source for industrial use and distributed energy generation. The conference will examine the major constraints on rapidly increasing natural gas use in China, the key policies to overcome these constraints, and how they can be effectively implemented within China.

CONFERENCE AIMS AND OBJECTIVES

- Deepen the understanding and communication between China and the world in developing a low carbon economy and addressing climate change through cooperation, exchange and dialogue.
- Provide a forum for discussion on economic and policy research into achieving reduced energy use and emissions, including the role of technological innovation in the emerging motor vehicle and air conditioner sectors.
- Identifying specific policy and technological solutions to address specific climate, energy and economic challenges.
- Further the debate about China's pattern of development and the implications for emissions by identifying opportunities for rebalancing China's economic structure.
- Strengthen the knowledge base guiding the implementation of energy, economic and climate policies.

CONFERENCE THEMES

- Climate change, energy and emissions scenarios
- Structure of China's economy and policy implementation issues
- The role of innovative policy and technology towards energy efficiency
- The increased utilisation of low emissions energy

LOCATION

- Thursday: Guohong Hotel, 11 Muxidi Beili Jia, Xicheng District (B103)
星期四：国宏宾馆：北京市西城区木樨地北里甲 11 号，B103
- Friday: China People's Palace Hotel, (1 Zhenwumiao Rd, Xicheng, Conference Room21, 4th floor, Tower C.
星期五：中国职工之家饭店，西城区真武庙路 1 号 (C 楼,4 层,21 号开会室)

ORGANISERS

- **Energy Research Institute, National Development and Reform Commission (ERI), China**
- **Centre for Strategic Economic Studies, Victoria University (CSES), Australia**

REGISTRATION AND INQUIRIES

To register, please email your details to:

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Further information: <http://cfses.com/events/conferences.htm>

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PROGRAM

Day 1: Thursday 9 September 2010		Guohong Hotel, 11 Muxidi Beili Jia, Xicheng District (B103) 国宏宾馆: 北京市西城区木樨地北里甲 11 号(B103)
9.00 – 9.20 am	Welcome and introductory speeches	<i>ERI Director Zhou Dadi</i> <i>Charge d’Affaires Graeme Meehan</i>
TECHNOLOGICAL INNOVATION AND GROWTH		
9.20 – 9.40 am	Innovation, technology and implementation issues	<i>Peter Sheehan</i>
9.40 – 10.00 am	The China 2050 model: innovation and technology	<i>Jiang Kejun</i>
10.00 – 10.10 am	Conference participants group photo	
10.10 – 10.40 am	<i>Morning tea</i>	
CLEAN TECHNOLOGIES AND COMPETITIVENESS		
10.40 -10.55 am	Introduction: urbanisation and rising living standards	<i>Alex English</i>
10.55 – 11.10 am	The rise of the motor vehicle market in China	<i>Jiang Kejun</i>
11.10 – 11. 40 am	Electric vehicle technology roadmap	<i>Zhuang Xing</i>
11.40 – 12.10 pm	Policy roadmap for energy efficient motor vehicles	<i>Kim Sweeny &</i> <i>David Fewchuk</i>
12.10 – 1.30 pm	<i>Lunch</i>	
1.30 – 3.30 pm	Motor vehicle expert panel response & open discussion	
3.30 – 4.00 pm	<i>Afternoon tea</i>	
4.00 – 4.30 pm	Energy efficient air conditioners: a technology roadmap	<i>Kang Yanbing</i>
4.30 – 5.00 pm	Policy roadmap for energy efficient air conditioners	<i>Rob Jolly</i>
5.00 – 5.45 pm	Air conditioner expert panel response and open discussion	
6.00 pm	<i>Dinner for speakers</i>	

Day 2: Friday 10 September 2010		No.21 Conference Room (4th floor, Tower C) China People’s Palace, 1 Zhenwumiao Rd., Xicheng district 中国职工之家饭店, 西城区真武庙路 1 号
ENERGY USE AND CHINA’S DEVELOPMENT STRATEGY		
9.00 – 9.40am	Rebalancing China’s development path: issues, constraints and opportunities	<i>Peter Sheehan</i>
9.40 – 10.20 am	Achieving strategic change in a decentralised economy: intergovernmental and fiscal challenges and opportunities	<i>Bhajan Grewal</i>
10.20 –10.50 am	<i>Morning tea</i>	
10.50 – 11.30 am	Market and institutional reform in the services sector	<i>Sun Fanghong &</i> <i>Cheng Enjiang</i>
11.30 – 12.20 pm	Climate change and China’s 12th Five-Year Plan	<i>Hu Angang</i>
12.20 – 1.40 pm	<i>Lunch</i>	
ENERGY QUESTIONS: THE INCREASED UTILISATION OF NATURAL GAS		
1.40 – 2.00 pm	A new international energy market and the Chinese context	<i>Alex English</i>
2.00 – 2.40 pm	Key issues in China’s natural gas supply and use	<i>Yang Yufeng &</i> <i>Liu Hong</i>
2.40 – 3.10 pm	Gas markets and network access in Australia: yesterday, today and tomorrow	<i>Bruce Mountain</i>
3.10 – 3.40 pm	<i>Afternoon tea</i>	
3.40 – 4.45 pm	Expert panel response and open discussion	
4.45 – 5.00 pm	Conference summation	<i>Jiang Kejun &</i> <i>Peter Sheehan</i>

SPEAKERS

- Professor Zhou Dadi, Former Director General, Energy Research Institute (ERI), NDRC
- Mr Graeme Meehan, Charge d’Affaires, Australian Embassy, Beijing
- Dr Jiang Kejun, ERI, NDRC
- Professor Hu Angang, Tsinghua University
- Professor Bhajan Grewal, Centre for Strategic Economic Studies, Victoria University
- Professor Peter Sheehan, CSES, Victoria University
- Dr Kang Yanbing, ERI, NDRC
- Dr Zhuang Xing, ERI, NDRC
- Dr Liu Hong, ERI, NDRC
- Dr Yang Yufeng, ERI, NDRC
- Mr Rob Jolly, Carbon Market Economics
- Mr Bruce Mountain, Carbon Market Economics
- Mr David Fewchuk, Aurora Vehicles Association
- Dr Cheng Enjiang, International Poverty Reduction Center in China
- Dr Sun Fanghong, Ping An Securities
- Dr Kim Sweeny, CSES, Victoria University
- Dr Alex English, CSES, Victoria University

PARTICIPANTS

Participants from policymaking agencies, multilateral institutions, the private sector, think tanks, non-government organisations, the academic community and international development agencies.

LANGUAGE

Mandarin and English