

**China's Ministry of Science and Technology (MOST)
International Energy Agency (IEA)**

**Joint workshop on
Carbon Capture and Storage: Opportunities in energy-intensive industry**

**Tuesday 16 October 2012
Venue: Asia Hotel, Beijing**

Welcome and Opening Session (9:00-9:45)	
Chair: Zhang Jiutian, ACCA21, Juho Lipponen, IEA (tbc)	
<i>Opening Remarks (5 min)</i>	Li Xin, MOST
<i>Opening Remarks (5 min)</i>	Juho Lipponen, IEA
<i>CCS in a Global Climate Change Context (15min)</i>	Mr. Dennis Best, IEA
<i>Overview of China's current climate change and low carbon policies (15 min)</i>	Mr. Zhang Jiutian, ACCA 21
Session One: Low-carbon strategies for energy-intensive industries (9:45-11:15)	
Chairs: Dennis Best, IEA	
<i>Reducing emissions in China's cement sector (15 min)</i>	Wang Lan, China Building Materials Academy
<i>An approach to reducing emissions in the cement sector - BEST Cement Initiative (15 min)</i>	Jing Ke, Lawrence Berkeley National Labs
<i>Key opportunities to reducing emissions in China's cement industry (15 min)</i>	Shen Lei, Institute of Geographic Sciences and Natural Resources Research, CAS
<i>Key opportunities to reducing emissions in the iron and steel industry (15 min)</i>	Zhang Linfeng, China Iron And Steel Association
<i>Global perspectives and best practice in the steel industry (15 min)</i>	Ladislav Horvath, Manager, Technology and Environment, World Steel
<i>Discussion and Q&A (15 min)</i>	
<i>Tea Break (11:15-11:30 min)</i>	
Session Two: Opportunities for CCS in key energy-intensive industries (11:30-12:30)	
Chair: Simon Bennett, IEA	
<i>The Global Status of CCS: 2012 (15 min)</i>	Barry Jones, Global CCS Institute
<i>Overview and challenges to deployment of CCS in the cement and iron and steel sectors (30 min)</i>	Stanley Santos, IEAGHG
<i>Discussion and Q&A</i>	
<i>Working Lunch(12:30-13:30)</i>	
Session Three: (13:30-14:30) CCS in industry in China: sectors and technologies	
Chair: Jing Ke, Lawrence Berkeley National Labs	
<i>Perspectives on reducing emissions in key industries: role of CCS (15 min)</i>	Wei Wei, Institute of Coal Chemistry, Chinese Academy of Sciences
<i>Key Sectors and Key Technology Priorities for China's Low Carbon Future: Role of CCS (15 min)</i>	Wang Ke, Renmin University of China
<i>Using Ca-based solid wastes from iron and steel industry to fix carbon-dioxide via carbonation reaction (15 min)</i>	Lian Fang, University of Science and Technology Beijing
<i>Effective approaches to designing systems fit for CCS in China (15 min)</i>	Liu Ruizhi, Tianjin Cement Research and Design Institute
<i>Tea Break 14:30-15:00</i>	
Session Four: (15:00-16:00)	

CCS in industry China: driving development forward

Chair: Zhang Jiutian, ACCA 21

<i>Reducing emissions in the Cement and Steel Industry: policy challenges and options</i> (15 min)	Zou Lele, Center for Energy and Environmental Policy, Chinese Academy of Science
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<i>CCS and low carbon development of iron and steel industry in China</i>	Lin Gaoping, Bao Steel Group
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<i>Exploring China's cement industry views</i> (15 min)	Liu Ruizhi, Tianjin Cement Research and Design Institute
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Discussion and Q&A

Roundtable discussion (16:00-17:00)

Co-Chaired: Juho Lipponen, IEA and Zhang Jiutian, ACCA21

“Where do we go next? Clarifying priorities on the road towards developing and deploying CCS in industry in China”

- *what are the priorities in the key industrial sectors?*
- *how could these sectors start preparing for CCS technologies?*
 - *barriers to CCS implementation*
 - *incentives and policies required*

Workshop Conclusions and Closing Remarks

Working Dinner