

Global Cleantech Summit 2016: “The Accelerator 100 Project”

23-24 March 2016 (Wed & Thu) | Beijing, China |
Academic Hall, Chinese Academy of Sciences, 15 Bei Yi Tiao, Zhongguancun, Haidian District

INTRODUCTION

2016-2030 are the most critical 15 years for energy, industrial and economic transitions in China and around the world. In 2015, the United Nations has set out the new Sustainable Development Goals, highlighting the importance of green, low carbon, and circular economy development. In the same year, Paris Agreement was adopted, setting a solid foundation for accelerating innovation, commercialization and scaling up of clean technologies. Global consensus has been made that carbon emission has to peak as soon as possible, and the world should head towards zero emission by around 2050s. The year 2016 marks the start of a global energy transition journey.

Meanwhile, China kick starts its 13th Five-Year-Plan for National Economic and Social Development (the 13th FYP), which aims to transform the country into a “low high income” economy by 2020, with GDP and per capita income for both rural and urban populations doubling from 2010 levels. As the country faces ecological, environmental and resources constraints, China has “declared war against pollution”, and is steering its economy towards “ecological civilization”. To overcome the challenges, there is an urgent need to reduce reliance on fossil fuels and polluting technologies; to develop emerging strategic industries and technologies that help transform traditional industries; and to reinforce the development of technologies related to health and wellness, agriculture, and enhancing quality of life. During the 2015 National People’s Congress, China has for the first time designated environmental industry as an important pillar for the country’s economic growth; in 2016, the country will kick-start its new green policy, which focuses on the well-being of both human being and the natural environment.

Clean technologies are driving a renewed global economic boom; and China is starting to lead the world’s Clean Revolution. China’s contribution is vital to the achievement of global sustainability and climate targets, especially in the commercialization and scaling up of clean technologies. China today presents the biggest ever market of clean technologies in the world: A record US\$391 billion flowed into low carbon and climate-resilient growth in 2014, with China investing the lion’s share at 22% of the global total.

The Global Cleantech Summit 2016: “The Accelerator 100 Project” will showcase 100 clean technologies from China and around the world, provide timely analysis of the 13th FYP and insights into its implications to the cleantech sector development and market opportunities in China. The Summit will convene businesses, experts, academia and government representatives, and provide a collaboration platform to facilitate investments and deployment of clean technologies.

PURPOSES

The Global Cleantech Summit 2016 is a leadership platform and dialogue on China's and global cleantech solutions, with the aim to seek effective commercialization of clean technologies. The Summit will focus on key technology areas that could initiate fundamental transformation in China's energy, industrial and economic development. The Summit convenes some of the world's most exciting cleantech companies, industrial leaders, successful investors, and local government leaders who work relentlessly on the promotion of clean technologies, bringing together the best thought leaders and experience within China and from the international community to meet the global environmental and natural resource challenges.

The Summit will:

- Kick-start the "Accelerator 100 Project" by the partners, showcasing 100 technologies that promote China's transformation;
- Convene international investors, industrials, and leading cleantech companies which have an ambition to grow their business in China, and vice versa, to harness cleantech investment opportunities;
- Showcase best practices, identify market opportunities and development trends through in-depth case studies;
- Analyze the current and potential fast-growth and high-yield cleantech market, and offer a roadmap on how industry can play an even bigger role and create extra value in the deployment of clean technologies;
- Catalyze better linkages between investors and strategics in China, Europe and North America, and rest-of-world cleantech companies to form potential business partnerships.

TARGET GROUPS

The Global Cleantech Summit 2016 will attract investors, industry companies and cleantech companies from China, Europe, North America, Asia and Australia, amongst other global markets, bringing together a select group of around 300 practitioners to the platform. The Summit is poised to provide the business community and associated stakeholders with invaluable information, case studies and networking in preparing to meet the opportunities and challenges cleantech investment presents.

MAJOR DIFFERENTIATORS

Currently, many of the current global summits actually happen at a regional level. In 2014, we had successfully kicked off the first Global Cleantech Summit series. The Global Cleantech Summit 2016 will emphasize on providing a global balance, in terms of partners, speakers and participants.

The Summit will create a process for all stakeholders to enter into dialogues with each other and to consolidate the shared opportunities emerging from cleantech investment. It will be a gateway for multi-lateral collaborations and expansion of cleantech companies in China and beyond.

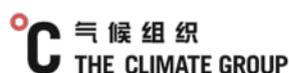
The Summit will focus on the following aspects:

- Kick-start the "Accelerator 100 Project": showcasing 100 technologies;
- Successful case studies and insights sharing by leaders;
- The potential of innovation and green growth;
- Investment opportunities, challenges, as well as development strategy of clean technologies;
- Create a long-term O2O communications platform serving all stakeholders.

The Summit content is supported by:

- An Investors' Panel (12 members): led by Kenny Liu, Director, The US-China Energy Cooperation Program;
- A Technology Expert Panel (12 members): led by Xia Qing, former VP of Chinese Academy of Environmental Sciences;
- An Advisory Council (12 members): led by Wang Yi, Member of the Standing Committee of the National People's Congress; Director-General, Institute of Policy and Management, Chinese Academy of Sciences.

INITIATED BY:



The Climate Group (www.theclimategroup.org) is an award-winning, international non-profit with offices in Greater China, North America, India and Europe. Our goal is to help leaders transition to a prosperous low carbon economy, driven by the rapid scale-up of clean and renewable energy. For over a decade we have worked to demonstrate the economic and business case for the low carbon economy, and create the political conditions necessary for a strong global framework that addresses climate risks and maximizes climate opportunities.

CO-HOSTS:



The Institute of Policy and Management, Chinese Academy of Sciences (www.casipm.ac.cn) is devoted to the studies on the strategy and policy issues for science and technology development, innovation development, sustainable development, and the public security administration and management science. It offers high-caliber research consultative services to central authorities, CAS, local governments and business firms.



The China Strategic Emerging Industries Alliance, NDRC (www.chinasei.com.cn) aims to accelerate the implementation of strategic emerging industry projects, and provide sound and reliable technology projects to the market. Its focuses include: establish professional and regional alliances; establish communications, project evaluation, and big data platforms; establish technology trading and financing platforms; coordinate efforts on addressing product and market challenges; and match-make with international technologies and resources to develop R&D clusters.



The CCID Group (www.ccidgroup.com) is a research entity under the Ministry of Industry and Information Technology, PRC. For over 20 years, the CCID Group has provided research, consultation, assessment, certification, media communications as well as technology innovation services for the public and the government.



The China CDM Fund (www.cdmfund.org) is established for addressing climate change. Through supporting and facilitating China's action in this area, the CDM Fund contributes to China's economic and social development and sustainable development of the world. Its business focuses on grants and investments. It uses grants to support activities in climate-related capacity building and the promotion of public awareness.



The Chinese Renewable Energy Industries Association (<http://www.creia.net>) promotes the adoption of advanced technologies among renewable energy enterprises in China and actively develops capacity for the rapid industrialization of the Chinese renewable energy sector. It has attracted distinguished membership of more than 200 from industry, academics, organizations and individual experts.



The China Association of Private Equity (www.chinacape.org/en) is a voluntary union and non-profit organization, jointly established by private equity industry players. It aims to set up a self-monitoring mechanism for the sector, protect its members' legal rights, raise the industry standards, strengthen local and international collaboration and communications with the PE sector, and promote a healthy development of the PE industry in China.



The China National Institute of Standardization (en.cnis.gov.cn) Resource & Environment Branch has established energy conservation and emission reduction, ecological civilization construction standardization system, and carried out standardization research in multiple fields including energy conservation, water conservation, new energy, circular economy, climate change, environmental protection industry, ecological civilization construction and sustainable development aiming at products, enterprises, parks and cities etc.

TECHNOLOGY SUPPORT PARTNERS:



The US-China Energy Cooperation Program (ECP, www.uschinaecp.org)'s mission is to create a bilateral platform with US and Chinese companies to pursue sector-based business opportunities, advance sustainable development in the energy industry and combat climate change.



The Green Development Institute is established by the Beijing Normal University in collaboration with relevant government organizations and industry leaders. It utilizes the university's strength in science and technology and human resource to provide theory and practice for green development, supply innovative talents of green development for the country, and provide green, low carbon and sustainable solutions for economic transformation, regional and industrial development.

DRAFT AGENDA

23 March (Wednesday)

Time / Session	Speakers
08:30-09:15	Registration
09:15-10:45	<p><u>Welcome remarks</u> (5 mins)</p> <ul style="list-style-type: none"> <i>Mark Kenber, CEO, The Climate Group</i> <p><u>Keynote speeches</u> (40 mins)</p>
<p>The Latest Landscape and Outlook of Cleantech Development</p> <p>Chinese and international thought leaders will analyze the latest development trends, future prospects and current bottlenecks of</p>	<p><u>China's Clean Revolution</u></p> <ul style="list-style-type: none"> <i>Liu Yanhua, State Councilor; Former Vice Minister of Science and Technology, PRC</i>

<p>cleantech development, as well as the ways to overcome the challenges to promote investment and deployment of clean technologies.</p>	<p>The Third Industrial Revolution</p> <ul style="list-style-type: none"> • <i>Jeremy Rifkin, Founder and President, The Foundation on Economic Trends; author of The Third Industrial Revolution</i> <p>Leaders' Dialogue (45 mins) Cleantech Opportunities and Challenges in China: Business Leaders' Dialogue with Jeremy Rifkin and Liu Yanhua</p> <p>Facilitator:</p> <ul style="list-style-type: none"> • <i>Mark Kenber, CEO, The Climate Group</i> <p>Dialogue Guests:</p> <ul style="list-style-type: none"> • <i>5 business leaders</i>
<p>10:45-11:15</p>	<p>Tea break</p>
<p>11:15-12:45</p> <p>China's 13th Five-Year Plan: The Green Opportunities</p> <p>China kick starts its 13th Five-Year-Plan for National Economic and Social Development in 2016. How clean technologies could help China achieve its FYP goals? And what are the 13th FYP's implications to China's and the world's energy, industry and economic transformation?</p>	<p>Moderated discussion (5 mins x 5 + 40 mins discussion) Policy and Industry Opportunities</p> <p>Facilitator:</p> <ul style="list-style-type: none"> • <i>Changhua Wu, Greater China Director, The Climate Group</i> <p>Panelists:</p> <ul style="list-style-type: none"> • <i>Jiao Xiaoping, Deputy Director, China CDM Fund Management Center</i> • <i>Li Junfeng, Director-General, National Center for Climate Strategy and International Cooperation, National Development and Reform Commission, PRC</i> • <i>Lee Weiqun, Secretary General, China Association of Private Equity</i> • <i>Liu Wenqiang, Deputy Director, CCID Group, Ministry of Industry and Information Technology, PRC</i> • <i>Wang Yi, Member of the Standing Committee of the National People's Congress; Director-General, Institute of Policy and Management, Chinese Academy of Sciences</i> • <i>Lin Ling, The China National Institute of Standardization</i> <p>Q&A (20 mins)</p>
<p>12:45-14:00</p>	<p>Lunch</p>
<p>14:00-15:30</p> <p>Parallel Sessions: Showcases of Emerging Low Carbon Technologies (I)</p> <p>The upcoming 15 years is a vital period for China's energy, industry and economic transformations. Recommended by experts, emerging cleantech companies with disruptive technologies that could facilitate China's transformation will introduce their strategies, technologies, as well as</p>	<p>Session A: New Energy Technologies</p> <ul style="list-style-type: none"> • <i>TBC</i> <p>Investors panel:</p> <ul style="list-style-type: none"> • <i>Julien Mialaret, Investment Manager, Idinvest Partners</i>

<p>investment needs.</p> <p>7-mins presentation by each company, followed by a 4-mins Q&A by the investors panel</p>	<ul style="list-style-type: none"> • <i>Amanda Zheng, Director, Transist Impact Labs</i> • <i>TBC</i> <p>Session B: Low Carbon City Solutions</p> <ul style="list-style-type: none"> • <i>TBC</i> <p><u>Investors panel:</u></p> <ul style="list-style-type: none"> • <i>TBC</i> • <i>TBC</i> • <i>TBC</i>
<p>15:30-16:00</p>	<p>Tea break</p>
<p>16:00-17:30</p> <p>The Accelerator 100 Project: Dialogue between Technologies and Capital</p> <p>Parallel Sessions: Showcases of Emerging Low Carbon Technologies (II)</p> <p>The upcoming 15 years is a vital period for China's energy, industry and economic transformations. Recommended by experts, emerging cleantech companies with disruptive technologies that could facilitate China's transformation will introduce their strategies, technologies, as well as investment needs.</p> <p>7-mins presentation by each company, followed by a 4-mins Q&A by the investors panel</p>	<p>Session C: Low Carbon Industrial and Commercial Solutions</p> <ul style="list-style-type: none"> • <i>TBC</i> <p><u>Investors panel:</u></p> <ul style="list-style-type: none"> • <i>TBC</i> • <i>TBC</i> • <i>TBC</i> <p>Session D: Natural Resources Technologies</p> <ul style="list-style-type: none"> • <i>TBC</i> <p><u>Investors panel:</u></p> <ul style="list-style-type: none"> • <i>TBC</i> • <i>TBC</i> • <i>TBC</i>

24 March (Thursday)

Time	Activities
09:15-10:00	<p><u>Keynote Speeches</u> (30 mins)</p> <p>Keynote Speeches</p> <p>Circular Economy: Urban Agriculture Design</p> <ul style="list-style-type: none"> • <i>William McDonough, Founder and Partner, William McDonough + Partners; author of Cradle to Cradle: Remaking the Way We Make Things</i> • <i>Qiu Baoxing, State Councilor; Former Vice Minister of Housing and Urban-Rural Development, PRC</i> <p><u>Q&A</u> (15 mins)</p>
10:00-11:15	<p>The 13th FYP: Game-changing Technologies for a Low Carbon Transition in China (I)</p> <p>The Paris Agreement has kick started a new wave of climate actions. Cities and countries striving to achieve their emissions reduction targets have to rely on low carbon technologies from the private sector. Indeed, mature technologies are already in place, what is urgently needed is the wide-scale deployment of such technologies.</p> <p>This session will showcase game-changing energy saving and emissions reduction technologies with a great market prospect, which could contribute to China's low carbon transition in the coming 15 years.</p> <p>Presentation of Game Changing Technologies (60 mins):</p> <ul style="list-style-type: none"> • <i>BAIC BJEV (transportation)</i> • <i>Lishen Battery (energy storage)</i> • <i>GE (industrial smart grid)</i> • <i>Huawei (ICT)</i> • <i>Trina Solar (solar power)</i> • <i>Elion Group (new energy and ecological restoration)</i> <p><u>Q&A</u> (15 mins)</p>
11:15-11:45	<p>Tea break</p>
11:45-13:00	<p>The 13th FYP: Game-changing Technologies for a Low Carbon Transition in China (II)</p> <p>The Paris Agreement has kick started a new wave of climate actions. Cities and countries striving to achieve their emissions reduction targets have to rely on low carbon technologies from the private sector. Indeed, mature technologies are already in place, what is urgently needed is the wide-scale deployment of such technologies.</p> <p>This session will showcase game-changing energy saving and emissions reduction</p> <p>Presentation of Game Changing Technologies (28 mins):</p> <ul style="list-style-type: none"> • <i>Philips (smart lighting)</i> • <i>Broad Group (sustainable building)</i> • <i>Magna Drive / Cigu Group (industrial motors)</i> • <i>ABB (industry 4.0 / robotics)</i> • <i>Dow Chemicals (materials)</i> • <i>Novozymes (biotech)</i> <p><u>Q&A</u> (15 mins)</p>

technologies with a great market prospect, which could contribute to China's low carbon transition in the coming 15 years.	
13:00-14:15	Lunch
14:15-15:30	<p><u>Dialogue between Local Governments and the Private Sector</u> <u>The Need for Technologies and Capital for the Development of Green, Low Carbon, Circular Economy in the State-Level New Areas</u></p> <p>The 13th FYP: Regional Green Development Plans</p> <p>The State-Level New Areas are key strategic regional development plans rolled out by China's central government. How are the State-Level New Areas going to strike a balance between development and ecology, and create their green growth models?</p> <p><u>Facilitator:</u></p> <ul style="list-style-type: none"> • <i>Changhua Wu, Greater China Director, The Climate Group</i> <p><u>Dialogue Guests:</u></p> <ul style="list-style-type: none"> • <i>8 State-Level New Areas</i> • <i>6 representatives from technology companies and investment sector</i>
15:30-16:00	<p><u>Moderated discussion (25 mins)</u> <u>The Collaboration amongst Policy Makers, Businesses, Financiers and Think Tanks</u></p> <p>A Win-win Cross-Sector Collaboration: Accelerating Cleantech Development</p> <p>What actions are needed to accelerate cleantech development?</p> <p><u>Facilitator:</u></p> <ul style="list-style-type: none"> • <i>TBC</i> <p><u>Panelists:</u></p> <ul style="list-style-type: none"> • <i>1 business leader</i> • <i>1 policy maker</i> • <i>1 financier / investor</i> <p><u>Closing Remarks: Next Steps and the Year Ahead (5 mins)</u></p> <ul style="list-style-type: none"> • <i>Changhua Wu, Greater China Director, The Climate Group</i>

SUMMIT SECRETARIAT

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