



CHINA ENERGY TRIP JULY-AUGUST 2012



中国能源行 China Energy Trip



GreenGrowthCorps
中欧绿色营

Western China Clean Energy Collaborative
中国西部清洁能源协会



Programme as of

June 2012

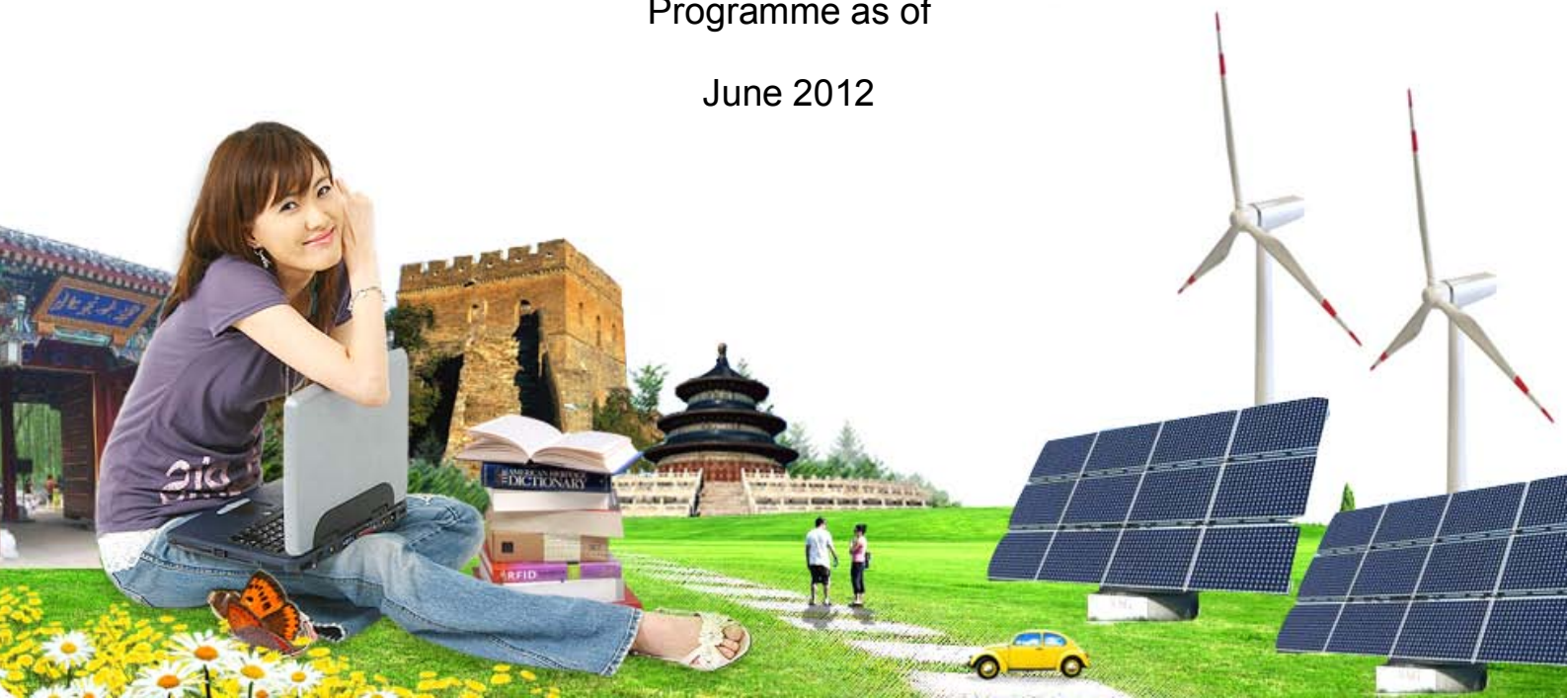


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中国能源行

China Energy Trip

Dear China Energy Trip 2012 Participants,

Welcome to China! And Welcome to join the third China Energy Trip - China Energy Trip 2012! We greatly appreciate your decision to participate our project to see with your own eyes the long history, splendid culture and fast growth of China's energy industry.

In the midst of global warming and energy crisis, developing a low-carbon economy to tackle the climate change has caught the global attention. The four-in-one low-carbon model, combining energy conservation, application of new energy technology, environmental management and ecological protection, is the strategic choice in the world economic development.

China, the second economy in the world, is a large oil consumer and emitter of greenhouse gas. How is China dealing with the climate change? How is China's development of clean energy? What is true situation of China? Xi'an Jiaotong University Western China Clean Energy Collaborative (WCCEC) started from 2010 to organize China Energy Trip. Last summer vacation, 18 foreign students in 11 different countries from MIT, UC Berkeley, University of Oslo, IE Business School, SCIENCES-PO, Dresden University of Technology, etc., participated China Energy Trip 2011. We went to Shanghai, Zhengzhou and Xi'an to visit companies, historical sites and university during the 10 days trip. 7 students from Harvard, Yale and University of Tokyo joined China Energy Trip 2010 and the 17 days' trip leaves their beautiful memory, much knowledge and helped them find the answers of questions above.

This year, China Energy Trip 2012 is different with China Energy Trip 2011 and 2010. We have 2 modules this time. And you can choose according to you interest and time. Especially for Module B, participants will meet with local government and some officials from EU Delegation will also join our trip. It is really a very rare opportunity!

I have started my internship at the Delegation of the European Union in China since March 2012. My supervisor Mr. Laurent Javaudin, in-charge of energy and sustainable urbanization files, initiated the idea of establishing an association to strengthen the cooperation in energy and sustainable development between young people from EU and China. Then I work with my colleague Ms.Luna Honguet to set up the EU-China Green Growth Corps. China Energy Trip becomes an official part of GGC which is an important step for China Energy Trip. China Energy

Trip still maintains the international characters. It is still open for young people from all countries.

We take great care on the health and safety of all the participants. Careful risk management and diligent planning will assure all participants of educational and inspirational China Energy Trip experiences.

Open-mindedness, ability to work on a team, and a desire to learn are keys to a successful and enjoyable China Energy Trip. We hope this expedition will inspire your involvement in conservation and sustainable development priorities which can be brought from this journey to your home. We encourage you to share your experiences with others, to transfer your skills and enthusiasm to environmental conservation efforts in your community and home.

The project, organized by college students, is a non profit one. It aims to bring young people who are interested in green development together around world. Through this international cooperative effort, we are looking forward to promote academic exchanges between the youth from different countries, which can enhance mutual understanding and to make a contribution to solving global climate and energy issues.

In conclusion, our team and I look forward to welcoming you to China. This has to be one of the most amazing places in the world—and we very much hope you will enjoy your time with us.

If you have any questions as you prepare for your expedition, please contact with me. Thank you for your support, and enjoy your China Energy Trip 2012!

Sincerely,

YAN Mi

Xi'an Jiaotong University School of Material Science and Engineering
President of Western China Clean Energy Collaborative
Founder and Co-president of EU-China Green Growth Corps

Comments from past participants

The China Energy Trip 2011 was a dual experience for me: increase my knowledge of the Chinese clean energy field, and make friends for life. China's energy market is booming and the China Energy Trip is a unique opportunity to meet with a dynamic group of professionals and students, all passionate about the energy field. Through the visit of Wind mill farms, coal and recycling factories, the China Energy Trip give a very good insight on the recent development of the industry in China.

The trip is also an opportunity to discover aspects of China that you would never find in a tourist guide. You not only discover Chinese culture, but you also discover Chinese economy from a very practical point of view. I found particularly thrilling the end of the trip when we worked in small groups with students from the Xi'an Jiao tong University in Xi'an.

The international aspect of trip, with students coming from countries as diverse as Saudi Arabia, the USA, China or Germany, allowed us to share knowledge about the energy field of each other's countries. Both the visits and the exchanges with the people made the China Energy Trip a truly unforgettable experience.

Marin Denizet
SCIENCES-PO '12

China Energy trip 2011 was a great opportunity not only to learn a lot about China by visiting, but also from people to people exchange. I really liked the international atmosphere, inspiring discussions, great people, and horizon widening excursions.

Martin Lippmann
Dresden University of Technology '11

My name is Zein Virani and I am from Vancouver, Canada. I graduated with a Masters in International Relations in 2011 from IE Business School in Madrid, Spain. I spent the remainder of my summer in China along with Yan Mi and the China Energy Conference. Our multinational group comprised of 20 students from MIT, Dresden University, University of Oslo, University of California and IE Business School. We visited wind turbine farms, auto manufacturing facilities and private/government sponsored initiatives that were constructing lithium batteries to help China minimize their dependence on foreign oil. In addition, we worked on projects, visited educational institutions and attended seminars speaking with members representing various organizations to better understand their companies' goals and objectives in the coming decade.

Yan Mi was in charge of the planning, leading, organizing and controlling of the trip and did a great job in organizing daily schedules and events. The duration of the trip is hectic, but evenings are free to enjoy the city and experience the Chinese culture. In addition, you will be able to meet people from all over the world who have an interest in alternative fuels, energy policies or China's energy position in the international sphere. The China Energy Trip was a great learning experience

and I recommend Yan Mi's knowledgeable and professional team.

Zein Virani
IE Business School '11

Mr. Yan did a great job organizing the China Energy Trip 2011. I was professionally conducted, and every small bump on the road was easily smoothed out by Mr. Yan's great creativity and organizing skills.

Marius Korsnes
University of Oslo '12

During China Energy Trip in August 2011, YAN Mi helped us out tremendously as a "bridge" to the locals for those seeking to understand the local culture and institutional environment in China first-hand for the first time. He is an exemplary partner for young people with passion for sustainable development in China.

Yangbo Du
Massachusetts Institute of Technology '11

The "China Energy Trip" is a student-organized study-travel trip that incorporated academic lectures with industry experiences. As an attendee of this program, I had the opportunity to visit several energy companies, government environmental agencies, sustainable communities as well as the chance to network with a wide range of motivated individuals, ranging from academic professors to industry experts.

I was very impressed with the organization of the trip and definitely took home with me happy memories, beautiful pictures and priceless friendships. Thus, I strongly recommend this program! Especially for anyone who wishes to gain either a broad introduction to the energy sector and/or for those who want to expand their social and professional network, this program will help you gain all that plus much, much more!

Sophia Lee
Yale School of Management '10

The China Energy Trip was an invaluable experience as it gave us an opportunity to first-hand witness the application of advanced energy efficient technology in the making in China. It also gave us exposure to develop deeper understanding about China and its energy market.

Ha Cao
Harvard Business School '10

I attended "China Energy Trip" from 29th July to 17th August in 2010 as a representative of The University of Tokyo Energy Club "g-Enesis", and 4 other students joined it from our energy club. We went around Beijing, Xian and Shanghai with students who have strong interests in energy issues from various perspectives.

I felt that this program had two significant points. Firstly, I could witness real situation of China by my own eyes. This program was mainly arranged by Chinese students who are born and live in China, so I could have a lot of opportunities to see around real China's situation and to communicate with many Chinese students. It helped me understand their lifestyle, history, culture, and current energy situation, which would have not been learned if I had kept staying in my country. Next, I could make strong connections with participants from China and other countries. China Energy Trip had 19 days and it helped strengthen our relationships, while other student activities usually last only a few days. Even half a year later from the event, participants still keep in touch with each other, and I definitely believe that such connections will help our future activities.

I really appreciate good arrangements and special efforts of host students for this event, and I definitely say that you should not miss such an opportunity if the next "China Energy Trip" is to be organized and you have a chance to join it.

Taisuke Yoshida
The University of Tokyo '10
Ex-President of the University of Tokyo Energy Club "g-Enesis"



China Energy Trip 2012 Itinerary

Key: White for cultural immersion; Blue for energy activities; Pink for party; Yellow for free time; Grey for transportation.

Module	Date	Day	Morning	Afternoon	Evening
Module A: Beijing & Tianjin	August 8 th	Wed.	Arriving in Beijing		Welcome Dinner
	August 9 th	Thu.	Caobeidian Wastewater Treatment Plant	Xiaowuji Large Solid Waste Sorting and Transfer Station and Beishenshu Sanitary Landfill	Free
	August 10 th	Fri.	Visiting labs in universities		Network with Chinese students
	August 11 th	Sat.	China Solar Valley		
	August 12 th	Sun.	Workshop		
	August 13 th	Mon.	Playing <i>Changing the Game</i>		
	August 14 th	Tue.	Discussion and Essay writing		Dining on Roast Duck and Singing in KTV
	August 15 th	Wed.	State Electricity Technology Exhibition Center	Liu Min Ying Village Methane Gas Application Project	Beihai Park
	August 16 th	Thu.	Sino-Singapore Tianjin Eco-city and TEDA- Tianjin Economic-Technological Development Area		Free

	August 17 th	Fri.	Visit the City	Farewell Party
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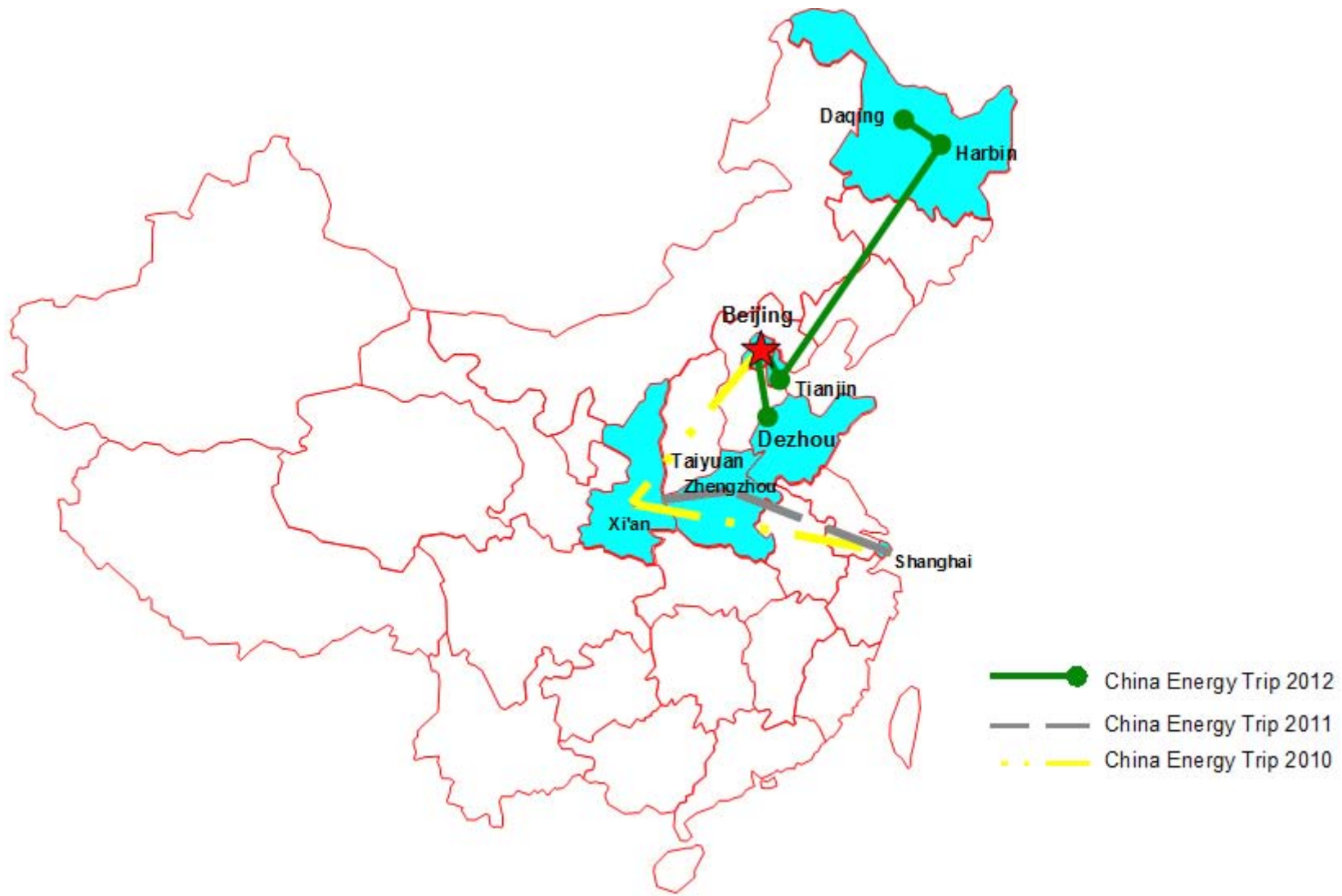
Module	Date	Day	Morning	Afternoon	Evening	
Module B: Harbin & Daqing	August 19 th	Sun.	Take plane to Harbin	Visit the city		
	August 20 th	Mon.	Visiting companies		Free	
	August 21 st	Tue.	Workshop			
	August 22 nd	Wed.	Transport to Daqing	Daqing Petroleum Scientific Museum and Daqing Museum	Free	
	August 23 rd	Thu.	Visiting companies			
	August 24 th	Fri.	Visiting the Oil Field			
	August 25 th	Sat.	Workshop in Northeast Petroleum University		Singing in KTV	
	August 26 th	Sun.	Dorbod Mongol Autonomous County		Bonfire Farewell Party	
	August 27 th	Mon.	Leaving from Harbin Taiping International Airport or Harbin Train Station			

Recommendations

Module A: In this module, you will learn the background information of China energy industry through training in universities, visiting labs and energy facilities, and attending lectures. You will visit Tsinghua University and Peking University which are the two top universities in China, and will be able to communicate with professors and local students. Through the Europe-China Clean Energy Center tour and EU Science & Technology Fellowship Programme, you can understand better how international cooperation works in the energy field. China Solar Valley will definitely impress you a lot. A group report will be finished after three days training in Tsinghua University. It should be very interesting to teamwork with students from different top universities around the world! If your dream is to study in China or find an internship or a job here, you shouldn't miss this module!

Module B: If you are a networking fan and want to experience the Chinese way of social, you can not miss this opportunity. You will have the chance to communicate with local officials from Heilongjiang Province directly and understand how Chinese government shape their policies. Some officials from the Delegation of the European Union to China will also join this module. Daqing Oil Field is one of the top 10 biggest oil field in the world, and this a very precious opportunity to visiting it, so it's all up to YOU! If you want to go to the famous oil city, experience the Mongolian culture and make friends with both Chinese and EU officials, don't hesitate to apply for this module!

The Map of China Energy Trip






中国能源行 China Energy Trip

Module A: Beijing & Tianjin

August 8th-August 17th

Date	Schedule	Photo	Accommodation Place	More Information
August 8 th	Arrived in Beijing and check in the hotel		Beijing	All participants arrive in Beijing and check in the hotel. We will have a welcoming party together.

August
9^h

Visit Caobeidian
Wastewater Treatment
Plant, Xiaowuji Large
Solid Waste Sorting
and Transfer Station
and Beishenshu Sanitary
Landfill



Beijing

The wastewater treatment plant, solid waste station and landfill are all facilities of Yiqing Branch of Beijing Environment Sanitation Engineering Group Co., LTD.

Caobeidian Wastewater Treatment Plant is the largest sewage treatment plant in Beijing and also in China. Beijing generates more than 250 million tons of waste water every day, and nearly half of the sewage is treated here. The drainage area of Gaobeidian Wastewater Treatment Plant sewage system is 96km², serving a population of 2.4 million people, covers an area of 68 hectares, treating the most of the sewage in south Beijing, eastern suburb industrial zone, and embassy district.

Xiaowuji Large Solid Waste Sorting and Transfer Station is one of the most advanced sanitation facilities in China which makes garbage into treasure. The solid waste get classified, collected and compressed here automatically under the monitoring of computer center. Beishenshu Sanitary Landfill is a modern landfill which has many applications of high-tech environmental friendly technologies.

August
10^h

Visit Beijing
University of
Chemical Technology
State Key Laboratory
of Chemical Resource
Engineering and
Peking University
School of Earth and
Space Sciences
CyberGIS Studio



Beijing

The work of the State Key Laboratory of Chemical Resource Engineering in Beijing University of Chemical Technology (BUCT) is focused on developing more effective ways of utilizing chemical resources, in order to contribute to the national strategy of building a more resource-efficient society. Chemical Resource Engineering utilizes the latest advances in chemistry and chemical engineering to solve problems in fundamental research and technological development. An interdisciplinary approach is required and the Laboratory brings together the expertise of BUCT academics in the chemical engineering, chemistry and materials science fields. Three major research themes have been established: Assembly Chemistry, Controlled Polymerization, and Chemical Process Intensification.

The lab is also a participant of the Science & Technology Fellowship Programme in China (STF China), which is the pilot phase of an EU action in China aiming at building bridges between the EU and China in the Science & Technology domain. STF China will promote mobility of EU researchers towards the Chinese research and development area. This will enable EU researchers knowledgeable about the Chinese language and research culture to successfully develop meaningful and long-lasting contacts with their Chinese counterparts.
<http://www.euchinastf.eu/>



Peking University is one of the best universities in China. It is very famous for liberal arts and science. Peking University CyberGIS Studio was established in May 1998




and affiliated with School of Earth and Space Science of Peking University. It is a joint research institute with support of Institute of Remote Sensing and GIS, Department of Computer Science and Technology and China Sustainable Development Research Center. CyberGIS Studio studies the field of Spatial Information Science and Technology and the research directions include the theories and key technologies of digital earth and digital city.

CyberGIS Studio initiated "China Digital Earth" action plan, digital city framework and development strategy. It has planed and partial implemented projects like Digital Beijing, Digital Dalian, Digital Yangtze River, Sichuan digital trading port etc, and has made an important progress in remote sensing and geographic information system software, spatial information processing and sharing technology.

In the evening, we will have a watermelon party with Peking University students in campus.

<p>August 11th</p>	<p>Take high speed train to Dezhou and visit the China Solar Valley</p>	 	<p>Beijing</p>	<p>Covering an area of over 330 hectares (815 acres) in total, China Solar Valley leads the way in solar industrialization, including the seven wonders in solar, namely, an unprecedented solar thermal manufacturing base, the first automatic production line of evacuated tubes in the world, a company-owned solar museum, a PV lighting road of over 10 kilometers, a demonstration area for solar architectures, a professional testing center well beyond international requirements, an international renewable energy communication center—the main site of the 2010 International Solar Cities Congress (ISCC).</p>
<p>August 12th</p>	<p>Workshop and job fair in Tsinghua University</p>		<p>Beijing</p>	<p>Tsinghua University is one of the best universities in China. It is very famous for engineering. This time, we will cooperate with Europe-China Clean Energy Center (http://www.ec2.org.cn/en) and Tsinghua Green Association to invite professors to give us lectures about China Energy situation. We will visit Building Energy Research Center and Sino-Italian Ecological and Energy-Efficient Building.</p> <p>We will invite the people from energy and environment companies and NGOs to join our workshop.</p>

			<p>For participants who would like to intern or find a job in China or wants to study in China, we will arrange interviews according to their need .</p> <p>We will send questionnaire after registration deadline.</p>
<p>August 13th</p>	<p>Play <i>Changing the Game</i></p>		<p>Beijing</p> <p>During these two days, participants will teamwork with local Chinese students. <i>Changing the Game</i> is the first game to give a unified treatment of the future energy system. It allows students of all backgrounds to learn about and get hands-on experience with energy planning and policy making. It facilitates a number of relevant discussions and thereby empowers the participants with deeper knowledge and understanding of the complexities involved.</p> <p>Dealing with energy systems usually involves dealing with a lot of numbers, which tends to scare most people away. In order to make energy planning accessible for everyone, we sought to visualize things as much as possible. Therefore <i>Changing the Game</i> uses LEGO® bricks to translate words and numbers into a visual representation.</p> <p>A diverse range of learning outcomes is achieved. Feedback from students who played the game shows that</p>

			<p>they have not only learned about technical issues, but also gained an understanding of the intricacies of negotiation and dilemmas politicians face when trying to reach compromises that satisfy everyone.</p> <p>The idea of creating a game came out of Energy Crossroad's efforts to host an interactive workshop on developing strategies for a clean, prosperous and secure energy future for Europe when the <i>Our Opportunity</i> summit held in Copenhagen on March 10-12,2009. It will be the first time to play this game in China to analyze the energy situation.</p>
<p>August 14^h</p>	<p>Write essays, discussion, roast duck and KTV</p>		<p>Beijing</p> <p>Participants will be divided into different groups and every group will have 2 or 3 Chinese students from Tsinghua University. A whole day will be for writing essay according the result of <i>Changing the Game</i> and following is presentation and discussion.</p> <p>In the evening, we will dine on the famous Beijing Roast Duck and then go to KTV together with Chinese students near Tsinghua University in Wudaokou to sing songs. You can experience the relaxing way of Chinese young people .</p>

August
15th

Visit Goldwind
Science &
Technology Co., Ltd.
and Liu Min Ying
Village Methane Gas
Application Project
and Beihai Park



Beijing

Goldwind is an international, multi-faceted wind power company based out of Beijing, China. Since the company was founded in 1998, Goldwind has now expanded across six continents, preserving blue skies and white clouds for future generations around the globe. Goldwind is the largest manufacturer of wind turbines in China and the 2nd largest globally. With strong, international R&D capabilities, Goldwind has become the world's largest manufacturer of Permanent Magnet Direct Drive wind turbines.

As of December 31, 2011, Goldwind's accumulated installation capacity of wind turbine reached over 12 GW, equivalent to 9.6 million tons of coal saved per year, 23.94 million tons of carbon emissions reduced per year, or 13.11 million cubic meters of newly planted forest. Goldwind is listed on both the Shenzhen Stock Exchange (stock code: 002202) and Hong Kong Stock Exchange (stock code: 2208).

Located in the southeast part of Beijing, Liu Ming Ying is the oldest town in the Daxing District. It has a total area of 2,192 acres and a population of less than one thousand, and is most known for its earliest implementation of ecological agriculture methods. In October 2004, United Nations Secretary General Kofi Annan visited this world famous village and declared it the most beautiful village in China.

Liu Min Ying boasts a high-tech organic agricultural model garden, an ecological farm, an agricultural park, a



large-scale energy switching station, and a conference and recreation center. The methane gas farm was interesting to see and visitors can learn about how wastes are collected and turned into gas, then distributed into homes and buildings.

In the evening, we will go to Beihai Park which is the emperors' private garden in Qing Dynasty. With fragrance of lotus and refreshing breeze in summer time, you can feel the peace and tranquility of traditional Chinese aesthetics.

Beihai Park is an imperial garden to the northwest of the Forbidden City in Beijing. First built in the 10th century, it is amongst the largest of Chinese gardens, and contains numerous historically important structures, palaces and temples. Since 1925, the place has been open to the public as a park. It is also connected at the south to the Shichahai.

The Beihai Park, as with many of Chinese imperial gardens, was built to imitate renowned scenic spots and architecture from various regions of China; the taihu lake, the elaborate pavilions and canals in Hangzhou and Yangzhou, the delicate garden structures in Suzhou and others all served as inspirations for the design of the numerous sites in this imperial garden. The structures and scenes in the Beihai Park are described as masterpieces of gardening technique that reflects the style and the superb architectural skill and richness of traditional Chinese garden art.

August
16th

Visit the
Sino-Singapore
Tianjin Eco-city and
TEDA- Tianjin
Economic-Technological
Development Area



Tianjin

Sino-Singapore Tianjin Eco-city is the 2nd flagship Government-to-Government project between Singapore and China after Suzhou Industrial Park. The project was mooted by then Singapore Senior Minister Goh Chok Tong and Chinese Premier Wen Jiabao in April 2007, against the backdrop of rapid urbanization and increasing global attention on the importance of sustainable development.

Tianjin Eco-city is located within the Tianjin Binhai New Area, about 45 km away from the Tianjin City Centre. Tianjin Eco-city has a land area of 30km² and is planned for a population of 350,000 residents.

The Sino-Singapore Tianjin Eco-City is not just about being green. It is about creating a vibrant economy, building a home for its residents and fulfilling our collective desires for a better life in harmony with the environment.

Eco-City is more than just about deploying cutting edge technologies or having iconic buildings. It is about practical and well tested solutions. It is about the city's spirit, civic values and community development, creating a sustainable lifestyle without compromising the residents' daily needs.

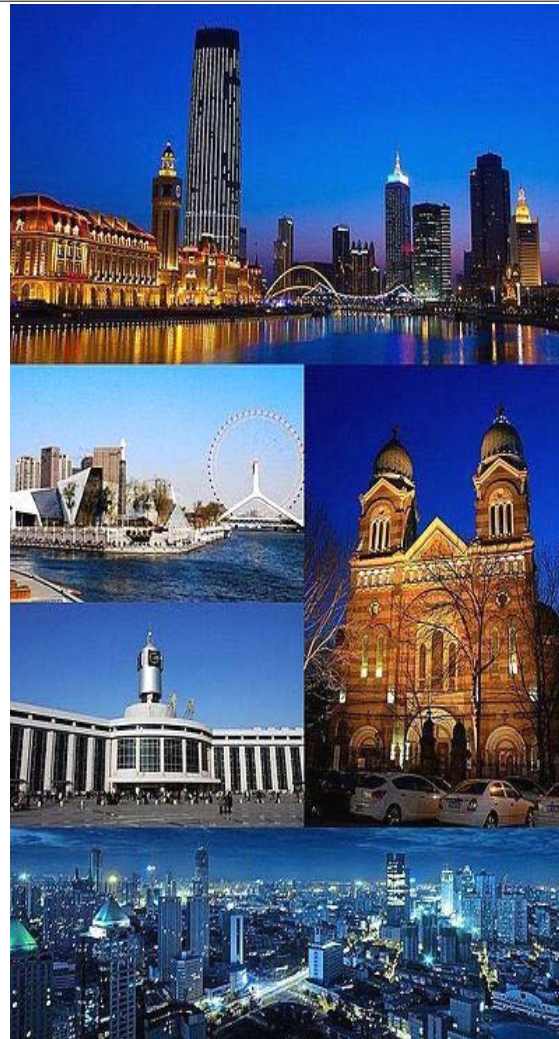


China is still struggling to develop effective models of optimally utilizing the myriad of waste streams of SMEs, which are responsible for over 80% of industrial production in China. Industrial Symbiosis creates many synergistic effects for SMEs working together (e.g. in waste management). This approach is applied by a Europe Union SWITCH-Asia project in the Tianjin Binhai New Area (hereinafter TBNA) in China. TBNA is a 2270 km² cluster of industrial development zones with the highest concentration of industrial output in Northern China.

The SWITCH-Asia project “Implementing Industrial Symbiosis and Environmental Management Systems” facilitates industrial symbiosis by embedding Environmental Management Systems among SMEs and greening local SME suppliers of multinationals.

August
17th

Visit Tianjin City and
Farewell



Tianjin

Tianjin is a direct-controlled municipality bordering Hebei Province and Beijing Municipality, bounded to the east by the Bohai Gulf portion of the Yellow Sea.

As a dual-core city, Tianjin is divided into the old city and the Binhai New Area. Binhai New Area is a new growth pole in China, and it maintains an annual growth rate of nearly 30% of the GDP. As of the end of 2010, 285 Fortune Global 500 companies have established branch offices in Binhai. It is a base of China's advanced industry, financial reform, and innovation.

The municipality incorporates the coastal region of Tanggu, home to the Binhai New Area and the Tianjin Economic-Technological Development Area (TEDA).


We will have a farewell dinner together in evening on 17th . Participants who will join Module B will have one day for free on August 18th.

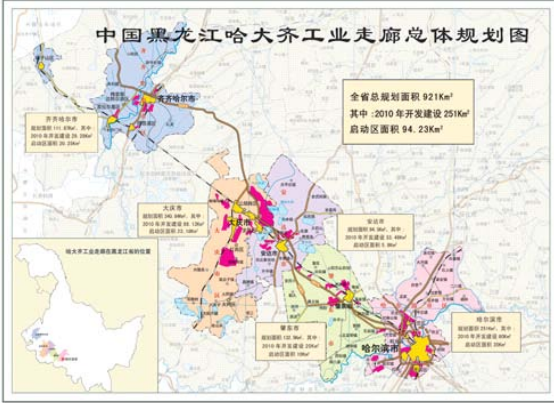



中国能源行 China Energy Trip

Module B: Harbin & Daqing

August 19th - August 27th

Date	Schedule	Photo	Accommodation Place	More Information
August 19 th	Take flight from Tianjin to Harbin and travel around city		Harbin	<p>The fee includes flight tickets from Tianjing or Beijing to Harbin.</p> <p>Harbin is the capital and largest city of Heilongjiang Province in Northeast China.</p> <p>The Harbin local culture is based on Han culture, combined with Manchu culture and Russian culture. This combination of cultures influences the local architecture style, food, music, and customs. The city of Harbin was appointed a UNESCO City of Music on 22 June 2010.</p>

<p>August 20th</p>	<p>Visit the energy companies and environment companies in Leading Park of HDQ Industrial Corridor</p>	 <p>The map, titled '中国黑龙江哈大齐工业走廊总体规划图', shows the industrial corridor across Heilongjiang province. It highlights key cities like Harbin, Daqing, and Qiqihar. A text box on the map states: '全省总面积 921Km², 其中:2010年开发建设 251Km², 启动区面积 94.23Km²'. Other callouts provide specific data for Harbin, Daqing, and Qiqihar, including their total area and 2010 development plans.</p>	<p>Harbin</p>	<p>The Leading Park of Harbin-Daqing-Qiqihar Industrial Corridor (Leading Park of HDQ) is a new engine specially installed to accelerate the scientific construction of Harbin-Daqing-Qiqihar Industrial Corridor (HDQ Industrial Corridor) by the Provincial Committee of Communist Party of China and the provincial government of Heilongjiang province. The leading park undertakes the historic mission of exploring new way to construct and develop industrial park, especially to create new models, set up new system and mechanism, cultivate regional internationalized commercial culture environment, and export advanced models and concept of constructing industrial parks to development zones throughout the province for the provincial economic development.</p>
<p>August 21st</p>	<p>Workshop</p>	 <p>The photograph shows a large, ornate building with a prominent clock tower, likely a government or institutional building in Harbin. The building features classical architectural elements and is set against a clear sky.</p>	<p>Harbin</p>	<p>We will have workshop with local government, researchers and companies around the topic of energy, sustainable urbanization and investment environment in Heilongjiang Province. We will send questionnaire to participants to collect questions and invite related experts to answer our questions in the workshop.</p>

August
22nd




Take Charter Bus to
Daqing and visit
Daqing Petroleum
Scientific Museum
and Daqing Museum








Daqing


Daqing is a prefecture-level city in the west of Heilongjiang province of Northeast China. It was founded in 1959 to house workers extracting oil and gas from the Daqing oilfield and to host industries which could take advantage of the energy and petrochemicals. Since its foundation it has been advocated as a model of good practice in industry and healthcare by the Chinese government.

Daqing Petroleum Scientific Museum is the biggest oil related museum in China. The museum introduces the history of development of Daqing oil field and oil exploration technology and engineering. It has Exploration Hall, Oil Reservoir Hall, Drilling & Production Hall, Ground Hall, and Oil Refining Hall and so on.

<p>August 23rd</p>	<p>Visit the Industrial Park in Daqing</p>	 	<p>Daqing</p>	<p>We will visit some factories in Industrial Park in Daqing and get to know the development of energy and environment industry with the company of leaders of Industrial Park and factories.</p>
<p>August 24th</p>	<p>Visit Oil Field</p>		<p>Daqing</p>	<p>Daqing Field is the largest oil field in China, located between the Songhua river and Nunjiang river in Heilongjiang province. Discovered in 1959 by Li Siguang. Wang Jinxi (known as 'Iron man' Wang, who led No. 1205 drilling team) worked on this oilfield. This field has produced over 10 billion barrels (1.6×10^9 m³) of oil since production started in 1960. Daqing contained 16 billion barrels (2.5×10^9 m³) or 2.2 billion tons in the beginning; the remaining recoverable reserves are about 3.6 billion barrels (570×10^6 m³) or 500 million tons. The current production</p>

			<p>rate is about 1 million barrels per day ($160 \times 10^3 \text{ m}^3/\text{d}$), making it the fourth most productive oil field in the world.</p>
<p>August 25th</p>	<p>Workshop in Northeast Petroleum University</p>	 	<p>Daqing</p> <p>Northeast Petroleum University (NEPU) a national key university, since its establishment accompanied by the discovery of the Daqing Oilfield, it has taken engineering as its key discipline while exploring the inter-penetrating and coordinative development of disciplines of engineering, science, management, arts, economics, laws and education. The university mainly offers undergraduate program with increasingly enlarging graduate program It has national key disciplines and key laboratories of China Ministry of Education.</p> <p>We will have lectures in the university. The topics will be about oil industry in China, transition of resource-based city and sustainable urbanization.</p>

<p>August 26th</p>	<p>Visit the Dorbod Linked Lake Wetland and the Mongolian Camp</p>	 	<p>Mongolian Yurt</p>	<p>The Dorbod Linked Lake Wetland is located in Daqing City Durbat Mongolian Autonomous County. The Wuyu'er River and Shuangyang River flow down meet here and evolve the wetland which covers more than 30,000 hectares. The most representative of the landscape is the large areas of grassland and reed marshes in such semi-humid and semi-dry environment.</p> <p>The Dorbod Mongol Autonomous County is the only Autonomous County in Heilongjiang Province. People of 17 ethnic groups like Mongolia, the Han, Manchu, Daur, etc live here. 18.2% of the population is Mongolian. The county keeps lots of Mongolian culture and custom.</p> <p>A Farewell party will be held in the evening in Mongolian Camp.</p>
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<p>August 27th</p>	<p>Leave Daqing to Harbin Taiping International Airport</p>	 A photograph of a white and blue airplane, likely a Boeing 737, parked on a tarmac. The aircraft is viewed from a low angle, showing its nose and front fuselage. The registration number 'T-15014' is visible on the nose. The background shows a clear blue sky with some clouds and other aircraft in the distance.	<p>——</p>	<p>Please purchase the ticket of plane or train which leaves after 14:00.</p>
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*The actual schedule may differ according to the current situation.

China Energy Trip 2011

● Participants:

Nationality		Name	School
European Union	Austria	Nikolaus Dobrowsky	Dresden University of Technology
	Belgium	Nathalie Hemeleers	Université Catholique de Louvain, Belgium
	France	Marin Denizet	SCIENCES-PO
	Germany	Alexander Sacharow, Korinna Joerling, Martin Lippmann	Dresden University of Technology
	Spain	Rosalía Galán	University of Pompu Fabra
Chile	Felipe Bustos	MIT	
China	YAN Mi, Binbin Wang		Xi'an Jiaotong University
	Wenyi Chu		East China Normal University
	Jacky Chen		MIT
Canada	Zein Virani	IE Business School	
Norway	Marius Korsnes	University of Oslo	
Saudi Arabia	Mazin Al Movallimi	IE Business School	
USA	Yangbo Du, Marcelar Rodriguez, Elena Alschuler, Charles Wilhelm		MIT
	Inga Chen		UC Berkeley
	Joseph Luk		Georgetown University
	Charles Wilhelm		Phillips Exeter Academy

● Photo Gallery



Shanghai Wind Energy Museum



Shanghai Volkswagen Automotive Co., Ltd



Baosteel Group Corporation



Shanghai Pudong Meishang High
Bio-technology Environment Processing Co., Ltd



Shaolin Monastery



Study Kung Fu



Shanghai Scientific Energy Conservation Museum



Xi'an Jiaotong University Workshop

● Essay

Finishing five essays: *Energy and Chinese Foreign Policy*, *Solar Energy in China*, *Energy Efficiency in Urban Areas-Policy and Economics*, *Wind Energy in China*, *Clean Energy Technology Transfer*

China Energy Trip 2010

● Participants:

Nationality	Name	School & Club
China	Yan Mi, Shen Zhongyang, Xu Yinfeng, Zhou Jiaju, Wang Yajie, Du Xuemin, Guo Na	Xi'an Jiaotong University Western China Clean Energy Collaborative
	Liu Yingkui	Chinese University of Petroleum
Japan	Yoshida Taisuke, Tetsu Yasui, Mikami Hidenori, Takada Motoshi, Yoshihisa Hirano	The University of Tokyo
USA	Sophia Lee	Yale School of Management Yale Energy Club
Vietnam	Cao Ha	Harvard Business School Energy and Environment Club

● Photo Gallery



The Mansion of Prince Gong



Tsinghua University



China Beijing Environmental Exchange



Han City, Shaanxi Province



Dang Jia Village



Shanghai

● Essay

The Simulation and Analysis of the Natural Ventilation in the Chinese Traditional Courtyard in Dang Jia Village, Han City, Shaanxi Province

Bibliography

Books:

Yutang Lin. *My country and my people*

Boye De Mente. *The Chinese Have a Word for It : The Complete Guide to Chinese Thought and Culture*

Daniel Yergin. *The Quest: Energy, Security, and the Remaking of the Modern World*

John King Fairbank, Chinese Thoughts and Institutions

China 2030: Building a Modern, Harmonious, and Creative High-Income Society

<http://www.worldbank.org/en/news/2012/02/27/china-2030-executive-summary>

China's Policies and Actions for Addressing Climate Change

http://www.gov.cn/english/2008-10/29/content_1134544.htm

China's 12th Five-Year Plan (2011-2015)

http://cbi.typepad.com/china_direct/2011/05/chinas-twelfth-five-new-plan-the-full-english-version.html

Economist Intelligence Unit 2012: A greener shade of grey

<http://www.economist.com/blogs/analects/2012/05/future-clean-energy>

Useful Websites:

EU-China Green Growth Corps: <http://www.greengrowthcorps.com>

World Energy Council: <http://www.worldenergy.org/publications/>

Collegiate Energy Association: <http://collegeenergy.org/>

Europe-China Clean Energy Centre: www.ec2.org.cn

Beijing Energy Network: <http://beijingenergynetwork.com>

China Daily: <http://www.chinadaily.com.cn/>

The Central People's Government of PRC China: <http://english.gov.cn/>

EU-China Energy relations:

http://ec.europa.eu/energy/international/bilateral_cooperation/china/china_en.htm

EU-China Partnership for Sustainable Urbanization:

http://eeas.europa.eu/delegations/china/eu_china/sustainable_urbanisation/sustainable_urbanisation.htm

EU-China Low-Carbon Economy Platform: www.chinalce.eu

Some movies about China and Chinese culture:

Crouching Tiger, Hidden Dragon

Raise the Red Lantern

Farewell, My Concubine

To Live

House of Flying Daggers

The Founding of a Republic

Beginning of the Great Revival

Assembly

Aftershock

General Information

Project Title:	China Energy Trip 2012
Contact Person:	YAN Mi miyan.wccec@gmail.com
Team Size Max:	40 participants
Minimum age of participation:	18 years of age
Accommodation:	double room with two single beds
Language:	English
Application Deadline:	July 15 th

The project is open to people from all countries. And there is no limitation when you choosing the modules. You can choose more than one module to participate.

Module	Theme	Date	Number of days	Fee*
Module A	Beijing & Tianjin	August 8 th to August 17 th	10	5500 RMB
Module B	Harbin & Daqing	August 19 th to August 27 th	9	5200 RMB

*The fee does not include travel to Beijing nor leave Harbin to your location. But the fee of Module C includes a one-way flight ticket from Beijing/Tianjin to Harbin.

Another 800 RMB need to pay for meals and alternative activities for every module. When the trip is over, the left money in this meal account will give back to participants.

For example, if you would like to apply for Module A and Module B, you need to pay $5500+800+5200+800=12300$ RMB. If there is money left in your meal account, the money will be given back to you after the trip.

More Information

If you want to get to know more about China Energy Trip 2012 or want to read our essays of China Energy Trip 2011 and China Energy Trip 2010, please contact with me. And if you would like to join China Energy Trip 2012, please send your application form on next pages to me.

In conclusion, our team and I look forward to meeting you in China. Hope by our initiatives you can understand the industry of energy and sustainable development better and make more friends in China. I believe that China Energy Trip will defiantly be unforgettable experience for you!

Thank you and See you in China!

Sincerely,

YAN Mi

Xi'an Jiaotong University School of Material Science and Engineering
President of Western China Clean Energy Collaborative
Founder and Co-president of EU-China Green Growth Corps



CHINA ENERGY TRIP 2012

APPLICATION FORM

I. Personal Particulars

Name in English (in block letters, surname first, leave a box between names):

Surname:																				
Given Names (in full):																				

Name in Chinese Characters (汉字/ if applicable):																	
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Date of Birth:								1	9				
	D	D		M	M					Y	Y		

Place of Origin:											Nationality:		
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Mobile Tel. No.:											Chinese Mobile Tel. No. (if applicable)		
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E-Mail Address:											Skype :		
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University, Major and Graduation Year: _____

Energy Club/Organization if applicable: _____ Position: _____

Which size of T-shirt do you wear (L for example),we will provide a memorial T-shirt for participant: _____

Male		Female	
Size	Height/ Chest Circumference	Size	Height/ Chest Circumference
S	165/88A	XS	155/76A
M	170/92A	S	160/80A
L	175/96A	M	165/84A
XL	180/100A	L	170/88A
XXL	186/104A	XL	175/92A
XXXL	190/108B	---	---

Photo

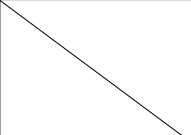
Correspondence Address (in English, leave a box between numbers and words):

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Language Proficiency: Please fill ▲ in the blank

	Native	Fluent	Intermediate	Beginner
English				
Chinese				
Other languages (Please write down)				

Which modules do you want to participate? Please fill ▲ in the blank. You can choose both Module A and Module B

	Module A: Beijing & Tianjin	Module B: Harbin & Daqing August 19 th -August 27 th
Participate		

II. Have you ever been to China? What is your impression of China?

III. Please briefly state the reasons for applying.

IV. Do you have any experiences in energy fields?

V. How do you know China Energy Trip?

VI. What do you want to get from this program? Which kind of role do you want to act in this international team?

VII. What do you want to say or tell us about this summer project? (some suggestion ,expectations, etc)

Signature of Applicant

Date

Please sent this application form to YAN Mi at miyan.wccec@gmail.com Thank you!

Contact

Mr. YAN Mi

2nd Floor, Qiankun Mansion, No.6 Sanlitun Xiliujie, Chaoyang District, Beijing 100027 China

Tel: +86-13661030499

Email address: miyan.wccec@gmail.com

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