

China-IAEA International Seminar on Global Clean Energy Transition Plan

Program name	China-IAEA International Seminar on Global Clean Energy Transition Plan		
Organized by	International Cooperation Center(ICC), NDRC		
Time	2025-10-16 -- 2025-10-29	Language used	English
Countries invited	Government officials from relevant ministries in developing countries		
Planned number of participants	30		
Requirements for the Participants	Age	Under 50 years old for participants at director-general's level; under 45 years old for participants at or under division director's level.	
	Health condition	In good health with health certificates or medical examination forms issued by local public hospitals; without diseases prohibited from entry by China's laws and regulations; without severe chronic diseases such as serious high blood pressure, cardiovascular and cerebrovascular diseases and diabetes; without mental illnesses or infectious diseases that may pose serious threats to public health; not during the postoperative recovery period after a major operation or during the outbreak period of acute diseases; without severe physical disability; non-pregnant.	
	Language competence	Fluency in listening, speaking, reading and writing in English	
	others	Participants who come to China for training are not allowed to bring spouses or relatives.	
Venue	Beijing	Weather conditions	11°C~27°C
Cities to be visited	Hangzhou City, Zhejiang Province Hefei City, Anhui Province	Weather conditions	Hangzhou City, Zhejiang Province:14°C~23°C Hefei City, Anhui Province:10°C~22°C
Remarks	1. Please prepare the discussion materials related to the theme of the program; 2. Please wear formal or traditional ethnic clothing or working uniform to formal activities; 3. Please carry a small amount of common medications; 4. The Chinese side will not provide computers, please bring your own if necessary; 5. It is generally prohibited to alter international flight tickets personally. If necessary, please consult the Economic and Commercial Office of the Chinese embassy in your country to handle the process of flight ticket change; 6. If unexpected circumstances prevent your timely departure, or if your connecting flight is delayed, please contact the Economic and Commercial Office or the contact person of the organizer in a timely manner and inform them of the latest flight information for pick - up arrangements; 7. When transferring flights, please confirm whether you need to recheck your luggage; 8. After collecting your luggage upon landing, please wait patiently at the international arrival exit or domestic arrival exit. Our staff will pick you up with a sign bearing the name of the organizer. If the wait exceeds 15 minutes, you can contact with the contact person of the organizer by phone; 9. It is recommended to download and register WECHAT in advance.		

Contact information of the organizer	Contact person for the program	Ms.Ma Muge, Ms.Lee Xinxian
	Office phone	0086-10-63906225(Ms.Ma), 0086-10-63906204(Ms.Lee)
	Mobile phone	0086-15840247462(Ms.Ma), 0086-18374702887(Ms.Lee)
	Fax	0086-10-63906201(Ms.Ma), 0086-10-63906071(Ms.Lee)
	E-mail	ndrcicc2022@163.com(Ms.Ma), ndrcicc2022@163.com(Ms.Lee)
	Address	Block C, Guohong Building, Muxidi Beili, Xicheng District, Beijing.
About the Organizer	<p>Established in 1993, the International Cooperation Center (ICC) of the National Development and Reform Commission (NDRC) is a government institution directly subordinate to NDRC. Under the guidance of the thought on Socialism with Chinese Characteristics for a New Era and the correct leadership of the party committee of NDRC, ICC is willing to make efforts to implement the 2030 Agenda for Sustainable Development proposed by the United Nations and to contribute to build the community of shared future for mankind so that the platform of bilateral and multilateral cooperation and sharing China's development achievements can be set up. Based on the function of international cooperation and committed to the high-quality development, we will always adhere to the overall work of the party and the country as well as the key work of NDRC. Presently, ICC, working in with NDRC, has become the major institution which supports a series of international cooperation mechanisms in the construction of Belt and Road Initiative and international capacity cooperation and the new-type comprehensive think tank involving different fields such as policy research, international cooperation, planning consultation, high-end training, foreign affairs services, etc. ICC is a member of the joint conference on international cooperation of NDRC as well as a member of the leader group office of promoting the construction of Belt and Road Initiative.</p> <p>1. Main functions of ICC:</p> <ul style="list-style-type: none"> -- Consultation. ICC deeply participates in the major theoretical research and top-level design for the national development and reform work and provides intellectual support for the work of the Party Central Committee, the State Council and NDRC. -- Mechanism implementation. ICC is in charge of implementing the multilateral or bilateral negotiation and cooperation mechanism established by NDRC and foreign governments. Also, ICC is making efforts to promote the construction of Belt & Road Initiative and the connectivity of strategy and planning, mechanism, platform and project in international capacity cooperation. -- Public diplomacy. ICC undertakes the work of organizing international exchanges between governments, institutions and enterprises, formulating cooperation plans, providing policy consulting services, conducting international training and promoting international cooperation. -- Assisting local governments. ICC provides policy guidance, prepares developing plan and builds cooperation platform for local governments in order to help them develop higher-level open economy in the new-round reform and opening up. -- Guiding the orientation of public opinion. On the basis of the advantages of theoretical innovation and international cooperation, ICC properly guides the orientation of public opinion and contributes to the national development and reform as well as opening up by propagating high-quality thoughts with objectivity, scientificity and predictability. -- Providing foreign affairs services. ICC undertakes the foreign affairs work from institutions of NDRC and organizes various types of international conferences to guarantee the key work of NDRC. <p>2. Brief introduction of foreign aid work:</p> <p>ICC makes full use of the advantages of relevant departments and bureaus of the National Development and Reform Commission and the Academy of Macroeconomic Research. Over the years, a large number of experts have been gathered to make great contributions to</p>	

	<p>recipient countries in terms of economic policy interpretation, planning formulation, and international cooperation. As of the end of 2024, ICC has implemented more than 500 foreign aid training programs. It has invited nearly 20,000 officials from more than 130 countries and regions on six continents . There are more than 20 themes, mainly covering the construction of the “Belt and Road”, macroeconomics, infrastructure, urbanization, China’s experience sharing, governance, public management, capacity cooperation, climate change, medium and long-term planning. Over the years, ICC has organized and implemented 44 projects under the “Belt and Road” initiative, training more than 1600 officials from countries along the route. ICC has made great efforts to publicizing the “Belt and Road” initiative, interpreting Chinese policies and measures, sharing development experiences, and promoting people-to-people bonds in countries along the route.</p> <p>3. Overview of the executive team:</p> <p>ICC has more than 30 professional and executive staffs for foreign aid training project, who have participated in foreign aid training and related international cooperation projects for many years, including 6 members with more than 8 years of foreign aid training experience and 7 members with more than 6 years of foreign aid training experience. There are 6 members with 5 years of foreign aid training experience, and more than 11 members with 4 years or less of foreign aid training experience. Their working languages involve English, French, Spanish, and Russian. Among them, 8 people has passed the TEM-8 and 7 have returned from studying abroad with rich experience in foreign affairs and international cooperation. Meanwhile, other research teams of ICC can also participate in the work of foreign aid training projects to ensure the successful implementation of the project.</p>
Training content	<p>Sponsored by the Ministry of Commerce of the P. R.C., the program is as follow:</p> <p>China has engaged in in-depth cooperation with the International Atomic Energy Agency (IAEA) within the framework of global clean energy transition initiatives, jointly advancing the innovative development of low-carbon technologies such as nuclear energy. As a key participant in the global clean energy transition, China has not only actively developed its domestic nuclear power industry—currently leading the world in the number of nuclear power units under construction, including the indigenous third-generation nuclear technology “Hualong One,” which has passed the IAEA’s Generic Safety Review—but has also provided technical support and capacity-building to developing countries through the IAEA platform. China has contributed to the IAEA’s Nuclear Energy Technology Cooperation Fund for multiple consecutive years, donating \$2 million in 2023 to support nuclear infrastructure development in developing countries. Their collaboration spans cutting-edge fields such as the formulation of nuclear power safety standards, research and development of nuclear hydrogen production technology, and applications of radiological medicine, while also jointly launching nuclear talent development programs in Asia, Africa, and other regions. China has also actively participated in the IAEA’s “Nuclear-Renewable Hybrid Systems” initiative, promoting the coordinated development of nuclear energy with photovoltaic and wind power to provide diversified solutions for achieving global carbon neutrality. This cooperation not only demonstrates China's commitment to fulfilling its emissions reduction pledges but also highlights its constructive role in global clean energy governance.</p> <p>Through this training program, we will share China’s experiences in clean energy transition with officials from other developing countries, offering professional guidance and assistance tailored to their practical needs to further strengthen exchanges and cooperation between relevant departments in China and other developing nations. In addition to a rich curriculum, we will organize field visits to Hangzhou and Hefei, two representative Chinese cities. Hangzhou is a major central city in eastern China, a national historical and cultural city, an international comprehensive transportation hub, a national innovation center for the digital economy, a regional hub for scientific and technological innovation, an advanced manufacturing base, and a modern service industry center in the eastern region. Hefei is an important central city in the Yangtze River Delta region, a national comprehensive transportation hub, an advanced manufacturing base in central China, a regional hub for scientific and technological innovation, and an international air cargo distribution center. Field visits to these cities to examine local development and engage in discussions with local enterprises will help participants gain a deeper understanding of China’s regional development strategies and precisely align with practical cooperation needs.</p> <p>1. Lectures:</p> <p>Public Courses</p>

	<p>1.Introduction to China’s National Conditions: Mainly introduce the current situation of China’s development in the political, economic, social and cultural fields.</p> <p>2.Interpretation of Xi Jinping’s Thought on Governance in the New Era: Introduction of the contemporary background, the key contents, and the inner logic and essence of Xi Jinping’s Thought.</p> <p>3.New Energy Cooperation among Countries Along the “Belt and Road”: Introduction to the Development Strategy of the “Belt and Road” Initiative, the State of New Energy Development, and Typical Cooperation Projects.</p> <p>Specialized courses</p> <p>1.Global Carbon Neutrality Goals and the IAEA’s “Net Zero Initiative” Framework: Global carbon neutrality policies, IAEA’s net zero pathway, and synergistic solutions integrating nuclear power with renewable energy sources.</p> <p>2.Global Energy Transition and China’s Energy Revolution: Overview of the global energy transition trend, China’s pathway to a low-carbon revolution, and the construction of a green and smart energy system</p> <p>3.Interpretation of China’s “14th Five-Year Plan” for Modern Energy System: Introduction to the guiding principles and main objectives of China's “14th Five-Year Plan” for modern energy system, along with six key tasks, and an explanation of the plan’s implementation and management strategies</p> <p>4.China’s International Cooperation in Renewable Energy: Overview of global renewable energy development and China’s international cooperation in hydropower, wind power, photovoltaic, and other renewable energy sectors.</p> <p>5.Project Investment and Financing Models, Carbon Finance, and ESG Evaluation: Green investment and financing tools, carbon market mechanisms, ESG ratings, and case studies of nuclear energy projects.</p> <p>6.Construction of Environmental and New Energy Industry Projects in China: Introduction to the full-process management of green projects, integration of new energy technologies, and implementation of carbon neutrality investment, financing, and policies.</p> <p>7.Development of the New Energy Storage Industry: Overview of the current development status of China’s new energy storage industry and international policies for the new energy storage sector, sharing China’s experience in this field.</p> <p>8.Multi-Energy Complementary Operation of Nuclear Power, Wind, Solar, and Energy Storage in Smart Grids: Smart grid dispatching, coordination of nuclear, wind, solar, and energy storage systems, flexible control strategies, and real-time optimization approaches.</p> <p>Note: The cities for visits and field trips may be adjusted according to the actual situation.</p> <p>2. Study tour arrangements</p> <p>1. China Electronics Technology Group Corporation (CETC)</p> <p>2. China Huaneng Group Co., Ltd. (or simply China Huaneng Group)</p> <p>3. Nuclear Power Operation Research Institute under China National Nuclear Corporation (CNNC)</p> <p>4. Hangzhou Boiler Group Co., Ltd. (HBG)</p> <p>5. Hefei General Machinery Research Institute (HGMRI)</p> <p>6. Anhui Yingliu Group Co., Ltd.</p> <p>7. Underdeveloped regions in Hefei</p> <p>3. About the lecturers</p> <p>1. Zhang Qiang, Beijing Normal University, Professor</p> <p>2. Yin Yanhong, Chinese Academy of Governance, Research Fellow</p> <p>3. Jiang Hao, China Renewable Energy Engineering Institute, Professor-Level Senior Engineer</p> <p>4. Xiong Xiaoping, Climate Research Office, Institute of Resources and Environment, Development Research Center of the State Council, Research Fellow</p> <p>5. Su Ming, China Academy of Macroeconomic Research, Research Fellow</p> <p>6. Zhai Dawei, Deputy Division Director, Price and Cost Survey Center, National Development and Reform Commission</p> <p>7. Du Mei, Senior Engineer (Principal Level), Planning and Design Administration Bureau of the South-to-North Water Diversion Project, Ministry of Water Resources</p> <p>8. Tao Ye, Associate Research Fellow, China Academy of Macroeconomic Research</p>
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