

Seminar on Green Energy and Sustainable Development of Urban Communities for Developing Countries

Project Description

Name	Seminar on Green Energy and Sustainable Development of Urban Communities for Developing Countries		
Organizer	National Research Institute for Rural Electrification (NRIRE), Ministry of Water Resources/Hangzhou Regional Center (Asia-Pacific) for Small Hydro Power (HRC)		
Time	July 21-August 3, 2022	Language	English
Training Mode	Online	Application	ZOOM Meeting
Invited Countries	Developing Countries	Number of Participants	35
Training Objectives	The seminar is aimed to grasp the connotation and standard of green energy, understand the current development direction of green energy, understand the hybrid complementary power generation technology of solar energy, hydropower, wind energy and other renewable energy, improve the management level of green energy construction, and further play the role of clean and renewable energy in energy conservation and emission reduction, and promote the sustainable development of urban communities.		
Requirements for the Participants	Professional background	——professional background: Green energy management ——Employment background: related officials or engineers -----Level, academic degree or other relevant qualification requirements: personnel working in the field of green energy	
	Age	Under official retirement age of participating countries	
	Health	In good health, able to complete the online seminar	
	Language	Fluency in listening, speaking, reading and writing in English	
	Others	Able to complete the seminar via ZOOM platform	
Training Content Introduction	1. Main Online Presentations: (1) Introduction to China and China's experience against Covid-19 (2) Development and application of clean energy in China (3) Evaluation and practice of green small hydropower (4) Green photovoltaic power generation technology and its application (5) Practice and prospect of small hydropower development to promote sustainable development of urban communities (6) Smart low-carbon energy technology and its application in urban communities (7) Research and application of renewable energy multi-energy complementary technology (8) Multi-energy complementation helps the development of low-carbon industrial parks (9) Roof distributed photovoltaic technology (10) Green energy investment and financing mode and case study		

2. Online Technical Visit

- (1) QINGCHUN Pumping Storage, to exchange views on green energy technology and the development and application of green energy to promote sustainable economic and social development and environmental protection in cities and towns.
- (2) West Lake and Xixi Wetland in Hangzhou to exchange views on urban water environment and wetland protection.
- (3) International Center for Small Hydropower to exchanged views on hydropower development to promote the development of urban communities
- (4) Hangzhou Hangfa Power Generation Equipment Co., Ltd. to learn about the manufacturing, process and selection of hydropower equipment.

3. Online Cultural Experience

- (1) Arrange Chinese learning before class, learn simple Chinese communication, in order to better understand Chinese culture.
- (2) Through audio, video and other media to display Chinese traditional culture, such as handicraft production, food, drama and so on.

4. Exchanges and Discussions

To exchange and discuss the current situation and demand of green energy in the trainees' countries, the challenges and potential opportunities, as well as opinions and suggestions on training projects, not only to enhance the sense of participation of officials, but also to improve the two-way exchange of information, and lay a good foundation for follow-up cooperation.

5. Introduction to Presenters

- (1) Huang Yan, deputy director of International Center on Small Hydropower, is in charge of international exchanges and cooperation in the field of small hydropower, and is responsible for the implementation of small hydropower international cooperation projects in many countries in Asia, Africa and Latin America;
- (2) Ou Chuanqi, professor-level senior engineer, is the chief of the Domestic Affairs Department of the International Center for Small Hydropower, responsible for the establishment of green small hydropower in China. He has published more than 40 papers and won many provincial and ministerial awards for scientific and technological progress.
- (3) Dong Guofeng, chief of the South-South Cooperation Division of the International Center for Small Hydropower, has many years of experience in international cooperation in the field of small hydropower, and was the project manager of the Shiwang Andu Project in Zambia. And responsible for organizing a number of foreign aid training and domestic green small hydropower training courses;
- (4) Wang Weiquan, deputy secretary general of Renewable Energy Professional Committee of China Energy Research Association, Senior Engineer/Registered Consulting Engineer (Investment Direction), mainly engaged in policy analysis, industry research and technology promotion of renewable energy and climate change.
- (5) Xu Feng, male, Doctor of Medicine, director of International Cooperation and Exchange Office of Xiyuan Hospital of China Academy of Chinese Medical Sciences. He is also an executive director of the Chinese Medicine Culture Professional Committee of the World

	<p>Federation of Chinese Medicine Societies, and a member of the International Exchange and Technical Cooperation Committee of Beijing Integrative Medicine Society. In 2017, he was selected as one of the first batch of "Outstanding Talents in Traditional Chinese Medicine" by the State Administration of Traditional Chinese Medicine.</p> <p>(6) Lin Ning, deputy translator and reviewer in HRC, was once the manager of small hydropower international training project of TCDC, responsible for international training, foreign affairs project management, small hydropower policy research, etc. He is now the director of foreign affairs and Training Department. He has organized and participated in more than 30 foreign aid training projects, involving more than 1000 officials and engineers from more than 100 countries.</p> <p>(7) Ma Zhijie, Ph. D., Senior Engineer and Master Supervisor of China National Center for Sustainable Development of Hydropower, China National Research and Development (Experimental) Center for Efficient Utilization of Energy and Hydropower and Dam Safety, China Academy of Water Resources and Hydropower Sciences;</p> <p>(8) Ye Shuiquan, a doctoral candidate, is currently the president of Hangzhou Mechanical Design and Research Institute of State Power Corporation, a member of the Technical Committee of the Institute, the general manager of Hangzhou Huayuan Artificial Environment Engineering Co., Ltd. At the same time, he is also the director of the Energy Storage Air Conditioning Analysis and Research Center of the State Power Corporation, the member of the Senior Title Evaluation Committee of the Electric Power Machinery Bureau of the State Power Corporation, the senior member of China Refrigeration Society and the director of Zhejiang Refrigeration Society.</p> <p>(9) Xue Hongxing, President of Beijing Green Design Promotion Association, Distinguished Professor of the Party School of the Central Committee of the Communist Party of China (National School of Administration) and Secretary-General of the Forum on the Development of Towns with Chinese Characteristics;</p> <p>6. Materials needed</p> <p>To facilitate communication and exchange, the participants are required to sort out the development of green energy in the region, including hydropower, wind energy, solar energy, potential project resources to be developed, technical support needed in the project development process, etc.</p>
Notes	<ol style="list-style-type: none"> 1. The seminar will be held online which requires participants to prepare necessary equipment and devices such as internet connection, computer, microphone, camera, etc. 2. Participants should enter the virtual seminar room in advance with the screen name "NAME + COUNTRY" identical to the passport information. 3. Participants should keep the confidentiality and security of the information and data concerning the seminar. Seminar materials will be shared to participants afterwards, which shall not be posted via social media.

<p>About the Organizer</p>	<p>HRC, also called NRIRE, was founded with the joint sponsorships of Chinese government and UN organizations such as UNDP/UNIDO in 1981 in Hangzhou, China, specializing in R+D and training etc. in the fields of renewable energy development including SHP and rural electrification. Over 40 years' development, HRC has fostered a team of rich experience and diverse educational backgrounds, and the team members are comprised of professor-level engineers, doctors and masters in different energy fields. HRC is also awarded as "International Cooperation Base for Renewable Energy and Rural Electrification of Zhejiang Province" by the local government, "International Training Base for Green Hydropower" by Ministry of Water Resources, "Family of SHP in the World" by the international community, and "Model of South-South Cooperation" by Ministry of Commerce of China.</p> <p>In the past 40 years since HRC's establishment, entrusted by Ministry of Water Resources, Ministry of Commerce, Ministry of Science and Technology, Ministry of Foreign Affairs, UNDP, UNIDO, ILO, FAO, ASEAN Secretariat, etc., HRC has successfully organized both at home and abroad in total 129 seminars, training courses and workshops covering the subjects of clean energy, rural electrification, water management, small hydropower, and etc., which have embraced about 4000 participants both at managerial and technical levels from some 123 countries.</p> <p>For more details, please visit HRC website: http://www.hrcshp.org.</p> <p>The co-organizer International Center on Small Hydro Power (ICSHP) is a public institution directly under the Ministry of Water Resources of the People's Republic of China. Over the past 20 years, ICSHP has devoted itself to the promotion of global SHP development through triangular cooperation among developing countries, developed countries and international organizations. ICSHP is mainly entrusted by the Ministry of Water Resources and other relative ministries to undertake the tasks such as to implement SHP cooperation and foreign aid projects, to review the "Sending Electricity to Villages" program, the rural electrification program and the "SHP Replacing Fuel" program invested by Chinese central government, and to carry out SHP training, demonstration and technology transfer, etc. In order to provide better services, ICSHP has established sub-centers in Asia, Africa (Nigeria) and Latin America. It has extensive cooperation with the local government and departments and will take part in the organization of the seminar.</p> <p>For more details, please visit ICSHP website: http://www.icshp.org.</p>
<p>Contact of the Organizer</p>	<p>Contact Person: Wu Xianhong (Ms.)/Zhang Hua (Mr.) Tel: 0086-571-87132776/56729101 Mobile: 0086-13071819994/13989482732 Fax: 0086-571-88062934 WeChat: 13071819994/13989482732 QQ: 624881662/375855658 E-mail: xhwu@icshp.org/hzhang@hrcshp.org</p>