

## Seminar on Rural Energy and Environment for Developing Countries

Name	Seminar on Rural Energy and Environment for Developing Countries		
Organizer	National Research Institute for Rural Electrification (NRIRE), Ministry of Water Resources		
Time	December 1- December 21, 2022	Language	English
Invited Countries	Developing Countries	Number of Participants	25
Training Objectives	<p>1. Share with the other developing countries the latest overview, advanced concepts, applicable technologies, experiences and practices of China in rural energy development, especially small hydropower, solar energy, wind energy as well as the role it plays in improving rural environmental hygiene and promoting economic and social development.</p> <p>3. Build a platform to promote multi-lateral and bilateral exchanges between China and other developing countries in related fields through exchanges and technical and economic exchanges and promote practical cooperation.</p> <p>4. The seminar participants will experience Chinese culture, and learn about the achievements of reform and opening up, etc., thus promoting humanistic exchanges and international friendship.</p>		
Requirements for the Participants	Professional background	<p>——Professional background: energy, environment related</p> <p>——Employment background: Officials or experts engaged in related fields from governments, non-governmental organizations, enterprises, colleges, etc.</p>	
	Language	Fluency in listening, speaking, reading and writing in English	
	Others	Able to complete the seminar via ZOOM platform	
Training Content Introduction	<p>1. Main Online Presentations:</p> <p>(1) Overview of China and the “One Belt, One Road” initiative</p> <p>(2) China's National Situation and Sharing of China’s Experience in Fighting COVID-19</p> <p>(3) Overview of China's poverty alleviation policies and poverty reduction</p> <p>(4) Clean Energy Development and Utilization in Rural Areas of China</p> <p>(5) Green Trade and Environmental Protection</p> <p>(6) Overview of the Development of Small Hydropower and Rural Electrification in China</p> <p>(7) Theory and Practice of Ecological Cities</p> <p>(8) Creation and Practice of a Market-oriented Green Technology Innovation System</p> <p>(9) Investment and Financing of Rural Energy Projects and Overseas Practices</p> <p>(10) Small Hydropower Development Planning and Methods</p> <p>(11) Development of Green Energy Biogas in Rural Areas</p> <p>(12) Green Hydropower Development</p> <p>(13) Centralized Control Technology And Application of Rural Hydropower Stations</p> <p>(14) Rural Hydropower and Dam Safety</p> <p>(15) Rural Drinking Water Safety and Environmental Health</p> <p>(16) Rural Solar Photovoltaic Power Generation and Applications</p> <p>(17) Rural Wind Power Generation Technology and Applications</p>		

(18) Off-Grid Multi-Energy Complementary Power Generation Technology and Its Applications

2. Exchange and Discussions

- (1) To conduct discussions and exchanges on the current condition of rural energy and environment in developing countries;
- (2) To conduct discussions and exchanges on the development of renewable energy in developing countries;
- (3) Based on the video “Green development of Yucun Village”, to conduct discussions and exchanges on the topic of rural green development;
- (4) To discuss and exchange the development status of rural electrification in developing countries;
- (5) Participants from various countries will exchange views on international cooperation in rural energy and environmental governance in developing countries;
- (6) To exchange on the seminar implementation and achievements.

3. Online Technical Visits

- (1) Online visit to Yu Village, a rural green development demonstration project, to understand the concept of green development and environmental protection in rural China;
- (2) An online visit to the Zhejiang Electric Power Design Institute to discuss the development of rural electricity;
- (3) Online visit to the West Lake Water Environment Management Project to exchange ideas on sanitation and environmental management;

4. Online Cultural Experience

- (1) Arranging participants to learn everyday Chinese and experience the charm of Chinese writing;
- (2) Show participants traditional Chinese culture such as paper-cutting, Tai Chi and Chinese opera through audio and video.

5. Introduction to Presenters

- (1) Mr. XU Feng: 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 Federation of Chinese Medicine Societies. He has published more than ten academic papers and two books in the fields of Chinese medicine;
- (2) Mr. DING Yifan: Graduated from the Faculty of Law of the University of Bordeaux, France with a PhD in political science. He was the deputy director of the World Development Institute of the Development Research Centre of The State Council. He now is a researcher at the institute of world development under the State Council Development Research Centre, and a professor in charge of the Yi Yang lecture in Beijing foreign studies university. He has published ten monographs in Chinese and one in English about economic globalization, knowledge economy and other relevant academic disciplines;
- (3) Mr. XIE Pengfei: PhD, senior research scientist, certified urban planner. He worked on management and research in international and domestic organizations for a long time, and has

	<p>led and participated in compiling the national standards on urban sustainability. Currently, he works as the China Director of RAP (Regulatory Assistance Project). Prior, he worked as the China Chief Representative of C40 Cities Climate Leadership Group, Director of China Sustainable Cities Project of NRDC (Natural Resources Defense Council), research associate of the Smithsonian Institution, etc. He has also acted as consultation expert for multinational organizations such as UNDP and IUCN;</p> <p>(4) Mr. Xu Jincai, Director General of National Research Institute for Rural Electrification, Ministry of Water Resources/ Hangzhou Regional Center (Asia-Pacific) for Small Hydro Power (hereinafter referred to as HRC), national registered consulting engineer, Director of the Special Committee on Hydropower of Chinese Hydraulic Engineering Society. He has been engaging in the research and application of renewable energy and rural electrification for many years, and has completed over 20 projects of ministerial and provincial levels. He has given lectures for participants from over 100 countries in more than 30 training programs;</p> <p>(5) Mr. Huang Jianping, the previous Deputy Director of National Research Institute for Rural Electrification, Ministry of Water Resources / HRC. He has about 30 years' experience on SHP and water conservation, and has provided consultation for more than 50 projects both at home and abroad. He has abundant experience in river basin planning, feasibility study, site selection, primary design, bidding, detailed construction design and site construction supervision.;</p> <p>(6) Mr. Lin Ning, Chief of Division of Foreign Affairs &amp; Training, National Research Institute for Rural Electrification, Ministry of Water Resources / HRC. He has been engaging in international SHP training, bilateral project cooperation &amp; management, SHP-oriented policy research, electro-mechanical equipment export etc. for over 20 years. And he has organized more than 30 training programs with the participation of thousands of officials and experts from over 100 countries;</p> <p>(7) Mr. Zhao Jianda, Chief Editor of National Research Institute for Rural Electrification / HRC. He is committed to the design and consultation of hydropower projects, research on the technology and policy of SHP development both at home and abroad, as well as the editing and reviewing of scientific journals;</p> <p>(8) Mr. Cui Zhenhua, Deputy Director of the New Technology and Standards Research Office, National Research Institute for Rural Electrification / HRC. His research focuses on the sustainable development of green small hydropower, and ecological restoration and management of hydropower.</p> <p>6. Materials needed</p> <p>To facilitate communication and exchange, the participants are required to prepare materials relevant to the seminar which include: introduction to participants and their employers, status quo and challenges of rural energy and environment of participating countries, international cooperation in the related fields of participating countries with China, etc.</p>
Notes	<ol style="list-style-type: none"> <li>1. The seminar will be held online which requires participants to prepare necessary equipment and devices such as internet connection, computer, microphone, camera, etc.</li> <li>2. Participants should enter the virtual seminar room in advance with the screen name "NAME + COUNTRY" identical to the passport information.</li> <li>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</li> </ol>

	shall not be posted via social media.
About the Organizer	<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 135 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. HRC has consecutively held seminars on the topics of water resources development and water treatment for many years and accumulated abundant management experience in the field. All the seminars were highly appraised by the officials and experts from developing countries which encourages participants to improve their professional and practical abilities, and build friendship with the Chinese people.</p> <p>For more details, please visit HRC website: <a href="http://www.hrcshp.org">http://www.hrcshp.org</a>.</p>
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