

中国科协“一带一路”国际科技组织合作平台建设项目
China Association for Science and Technology (CAST) Program of International Collaboration Platform for
Science and Technology Organizations in Belt and Road Countries



北京工商大学——经济合作组织会科学基金会
“一带一路”科技与经济合作联合培训中心



BTBU-ECOSF Joint Training Center on Scientific, Technological and Economic Cooperation

under the Belt and Road Initiative

5th Joint Training Program

Pathways for Industrial Decarbonization in the Belt and Road Countries

Accelerating transition to low-carbon and climate-resilient development

June 8 and 9, 2022

I. About the BTBTU-ECOSF Joint Training Center

The Belt and Road Initiative (BRI) is a massive global initiative aimed at connecting international trading partners in the east and the west. The BRI offers a tremendous potential to spur a new era of trade, economic and industrial growth for the countries in the Asia and beyond. In order to maximize the benefits of BRI, the participating countries require to develop adequate technological workforce and engage in an alliance for promotion of cross-border cooperation in the Science, Technology and Innovation (STI) sectors.

Appreciating this need for skill development and capacity building in key economic sectors, the Beijing Technological and Business University (BTBU) in collaboration with Economic Cooperation Organization - Science Foundation (ECOSF) launched a BTBU-ECOSF Joint Training Center on Scientific, Technological and Economic Cooperation under Belt and Road Initiative in September 2020. The Center has won the financial support of China Association for Science and Technology (CAST) Program of International Collaboration Platform for Science and Technology Organizations in Belt and Road Countries.

BTBU is renowned as a one of the leading high-level research universities in Beijing. Having long been committed to promoting substantive exchanges and exchanges with overseas first-class universities and academic institutions, BTBU has achieved meaningful results in international exchanges and cooperation, personnel training, academic research, etc.

ECOSF is the specialized agency of the Economic Cooperation Organization (ECO), an intergovernmental organization for scientific and technological cooperation, with its 10-member states (Afghanistan, Azerbaijan, Iran, Kazakhstan, Kyrgyzstan, Pakistan, Tajikistan, Turkey, Turkmenistan, Uzbekistan). ECOSF has an extensive exchange and cooperation network with international scientific and technological organizations in Europe, Asia, Africa and other regions, as well as other international organizations.

BTBU-ECOSF Joint Training Center aims to promote the sustainable economic and social development of BRI countries through training in the fields of technology application, industrial economics, S&T standards and science communication.

II. Background

Climate Change is the biggest risk to mankind and one of the greatest global challenges of the 21st century, which needs to be addressed through international cooperation in the context of sustainable development. China has emerged as global climate leader with its announcement in 2020 that the nation would aim to achieve “carbon neutrality” by 2060. China already leads the world in the clean energy technologies, and it is by far the largest investor, producer and consumer of renewable energy.

Most of the world’s focus has rightly been on today’s major emitting countries when it comes to fighting the battle with climate change. From a forward-looking perspective, however, the biggest climate risk and opportunity lies in our ability to support a low carbon development pathway for the Belt and Road Countries that have signed up to China’s Belt and Road Initiative (‘BRI’). Hence, we are making this attempt to bring China’s extensive expertise and best practices in low carbon development to other Belt and Road (B&R) countries. In this respect, BTBU – ECOSF Joint Training Center is planning to host its 5th training program entitled on “Pathways for Industrial Decarbonization for the Belt and Road Countries” **on June 8-9, 2022.**

The purpose of this training program is to accelerate to low-carbon and climate-resilient development with special focus on key industrial sectors. On behalf of BTBU-ECOSF Joint Training Center, we are pleased to invite you to participate and benefit from this valuable training program on Low Carbon Industrial Development on June 8-9, 2022. It is important to note that this is going to be a second training session dedicated to low carbon development for BRI, previously we held the similar training session on low carbon development last year in June 2021.

In this backdrop, this training program will seek to understand and learn about viable options for low carbon transition, best practices, success stories, and barriers on implementation of policies and programmes promoting low carbon development, and match the potential cooperation among BRI counties in clean energy, charging station and new energy vehicles.

III. Relevance of this Joint Training Center to the ECO Region

The Economic Cooperation Organization (ECO) region is an epicenter of the ancient silk route and holds great significance as a gateway to connect China with the Middle East, South West Asia and Europe and beyond as three of China supported Economic Corridors (China Pakistan Economic Corridor, China-Tajikistan & westwards and China-Kazakhstan-Russia-Europe) transpires through ECO countries.

Thus, the Joint Training Center will play a crucial role to strengthen the scientific, economic and cultural exchanges among China, ECO Member States and other countries to promote the integrated development of industries, academia and research in the Belt and Road international cooperation.

IV. Agenda

TIME

AGENDA FOR THE 1ST DAY OF THE TRAINING ON JUNE 8, 2022

BEIJING TIME

14:00-14:10	Opening ceremony Prof. Dr. Manzoor Hussain Soomro President, ECO Science Foundation
14:10-14:50	Policies and practices for low-carbon transition in the coal power industry ZHU Fahua, Deputy General Manager, Science and Technology Research Institute Co., China Energy Investment Corporation (China Energy)
14:50-15:30	Policies and practices for low-carbon transition in the cement industry LI Yeqing Executive VP, China Building Materials Federation (CBMF)
TEA AND COFFEE BREAK	
15:40-16:20	Policies and practices for low-carbon transition in the steel industry GUO Zhancheng, Professor, State Key Laboratory of New Technologies of Iron and Steel Metallurgy, University of Science and Technology Beijing
16:20-17:00	Policies and practices for low-carbon transition in the chemical industry ZHANG Hua, Secretary General, China National Chemical Energy Conservation (Emission Reduction) Center (CNCECC)
Q&A	

TIME

AGENDA FOR THE 2ND DAY OF THE TRAINING ON JUNE 9, 2022

BEIJING TIME

14:00-14:40	Case study: renewable energy projects in developing countries CUI Xu, Deputy General Manager of China Power International Group Limited
14:40-15:20	Case study: Waste-to-energy technology and engineering WEI Li, Deputy General Manager of BGE Environmental Technology Co.
TEA AND COFFEE BREAK	
15:30-16:10	Case study: Household PV power generation system in developing countries PENG Luhua, Director of East Africa, Shenzhen LEMI Technology Co.
16:10-16:50	Case study: Energy saving and emission reduction technology in green transportation HUANG Guoliang, Shenzhen Spark Co., Ltd.
Q&A	
17:00-17:10	Closing Ceremony Leadership of BTBU

V. Zoom Login Access

June 8th

ZOOM: 876 6766 6216

<https://us06web.zoom.us/j/87667666216>

June 9th

ZOOM: 868 1574 2216

<https://us06web.zoom.us/j/86815742216>

VI. Partners and Collaborators

Hosted by:

- Beijing Technology and Business University (BTBU)
- Economic Cooperation Organization Science Foundation (ECOSF)

Organized by:

- BTBU-ECOSF Joint Training Center on Scientific, Technological and Economic Cooperation under Belt and Road Initiative
- School of International Economics and Management, BTBU

VII. Registration

Interested participant can register <http://www.ecosf.org/signup.aspx>. Once registered, you will receive further information with login and password to access the training sessions. Interested participants are requested to register themselves by June 06th, 2022.

VIII. Target audience/participants

Government officials, business executives, industry experts, clean energy professional, climate change specialists, and policy research institutes.

IX. Resource Persons/Experts

(I) **ZHU Fahua**, foreign academician of the Russian Academy of Natural Sciences; expert of the special government allowance of the State Council. Now Academician ZHU is the Deputy General Manager of Science and Technology Research Institute Co. in China Energy Investment Corporation (China Energy); Director of National Key Laboratory of Atmospheric Physical Simulation and Pollution Control; Doctoral supervisor of Nanjing Information Engineering University; Editor-in-chief of Power Science and Technology and Environmental Protection; Deputy editor-in-chief of China Electric Power. In 2019, under the leadership of Academician ZHU, China Guodian Environmental Protection Research Institute won the China Environment Award jointly established by the Environment and Resources Committee of the National People's Congress and the Population, and Capital and Environment Committee of the National Committee of the Chinese People's Political Consultative Conference. Academician ZHU has been interviewed by CCTV, Science and Technology Daily, China Environment News and China Electricity News for many times, and has been dedicated to ultra-low emission and carbon neutrality & emission peak.



(II) **LI Yeqing, Ph.D.**, professor-level senior engineer. Dr.LI is currently the President & Party Secretary of Huaxin Cement Co., Ltd, Director of the Technology Center, Director of the Technology Research Institute; Executive VP of China Building Materials Federation (CBMF), Executive Director of the Expert Committee; President of Hubei Building Materials Federation; Deputy Director of the State Key Laboratory of Silicate Building Materials; Adjunct professor & doctoral supervisor of Wuhan University of Technology. Dr.LI has won 2 National Science and Technology Progress Awards, 1 National Management Innovation Achievement Award, 42 authorized invention patents, and 22 major scientific and technological achievements. Dr.LI has been awarded as the National Outstanding Engineer, the expert of State Council Government Special Allowance, and selected into the National Hundred Million Talents Project.



(III) **GUO Zhancheng**, Professor of State Key Laboratory of New Technologies of Iron and Steel Metallurgy, University of Science and Technology Beijing; Director of Metallurgical Reaction Engineering Branch of Chinese Society for Metals; Member of the Discipline Review Group of Metallurgical Engineering of the State Council; Member of the Expert Group of Atmospheric Special Program of the Key R&D Program of the Ministry of Science and Technology; Expert of the Industry Group of the UN Intergovernmental Framework for Cooperation on Climate Change. Pro.GUO is mainly engaged in



the research of physical chemistry of coal energy conversion process in metallurgical process, flue gas purification and solid waste treatment technology, low-carbon iron-making of fluidized iron ore powder, super gravity metallurgy, etc. Pro.GUO is committed to the R&D of new processes and technologies for energy saving and emission reduction in metallurgical process. Pro.GUO is responsible for 10 National Natural Science Foundation of China (NSFC) projects, including "Simulation of Clean Iron-making Process System for Sustainable Development"; 2 NSFC key projects, including "Key Technology Fundamentals of Fluidized Iron Ore Deoxidation"; 4 "863" projects, including "Catalytic Combustion Technology for Coal Powder Injection in Blast Furnace"; key R&D projects, including "System Optimization and Energy Saving Technology for Chemical and Metallurgical Process Industry". Pro.GUO has published more than 300 academic papers, 4 monographs such as "Fundamentals of New Technology of Iron and Steel Metallurgical Slag Dust Utilization", and more than 60 authorized patents for technical inventions. Pro.GUO was awarded by the National Outstanding Youth Fund in 2002, listed into Tier1/2 "Hundred, Thousand, Ten Thousand" Talent Project of Ministry of Human Resources and Social Security of the People's Republic of China in 2003, awarded the Billiton Gold Medal by the Institute of Minerals & Materials & Mining in 2006, granted a special allowance by the State Government in 2008, awarded the China Patent Excellence Award in 2015, awarded the Innovation Award for Scientific and Technological Achievements in Industry-University-Research Cooperation in 2016, awarded Honorary Professor by the University of Warwick (UK) in 2018, awarded the Spriggs Phase Equilibria Award by the American Ceramic Society (USA) in 2020, and awarded the Excellent Achievements in Scientific Research by the Ministry of Education (MOE) in 2020.

(IV) **ZHANG Hua**, Secretary General, China National Chemical Energy Conservation (Emission Reduction) Center (CNCECC); Head of Energy Conservation and Low Carbon of China Chemical Information Center; Expert in chemical industry of "National Carbon Market Help Platform". Ms. ZHANG, rich experience in petrochemical and chemical industry-related low carbon and energy saving, has led and participated in dozens of carbon neutrality & emission peak, and energy saving consulting projects in petrochemical and chemical industry. Ms. ZHANG is equipped with massive experience in greenhouse gas accounting for nearly 300 petrochemical and chemical enterprises; responsible for and participated in the revision of the supplementary data sheet on greenhouse gas emission accounting for the chemical industry issued by the Ministry of Ecology and Environment; responsible for and participated in the research of carbon emission baseline for 7 energy-consuming chemical products by the Development and Reform Commission; undertook the carbon emission benchmarking research project for the chemical industry in cooperation with Tsinghua University, EU Climate Division and US Environmental Protection Association; responsible for and participated in the training of carbon verification agency personnel in Shandong Province, and the carbon emission training of Yanchang Petroleum Group and China Sinochem Group.



(V) **CUI Xu**, Deputy General Manager, New Energy and Power Department, China Power International Group Limited. CUI Xu, 10-year experience in such new energy generation as wind power and solar power. Mr. CUI has been mainly engaged in the market development of international new energy projects recently, and has organized national renewable energy planning for Africa, America, Southeast Asia and other regions respectively, and successfully developed new energy projects in Vietnam, Philippines, Kazakhstan, Argentina, Ethiopia, Kenya, etc; Mr. CUI has participated in the compilation of Chinese standards for wind power and solar power, which has promoted Chinese standards to apply in the global market.



(VI) **WEI Li**, VP of Environmental Technology Co., Deputy General Manager of BGE Environmental Restoration Co. Ms. WEI has been honored as Senior Engineer, National Environmental Protection Professional and Technical Young Talent, and Young Scientist of the Chinese Society of Environmental Science. Ms. WEI graduated from Zhejiang University in 2003 and joined BGE in 2011, mainly engaged in the implementation and management of oil and groundwater restoration projects, and technology and equipment development and application research. Ms. WEI has organized and implemented more than 150 restoration projects for contaminated soil and groundwater, generating revenue of more than 6 billion yuan; participated in the compilation of 17 industry standards and norms, and published more than 80 patents, papers and monographs; won the "Second Prize of National Science and Technology Progress", "Third Prize of Science and Technology Progress of Zhejiang Province", "First Prize of Scientific and Technological Progress of China Construction Society", "Outstanding Youth Science and Technology Award of China Environmental Protection Federation", "Beijing 38th Red Flag Medal", "Beijing Municipal Haidian District 38th Red Flag Medal", "Beijing Haidian District Excellent CPC Member", etc.



(VII) **PENG Luhua**, Director of East Africa of Shenzhen LEMI, Founder of the former Light Up Global Project Laboratory of Shenzhen Quality Inspection Institute, consultant for Chinese language translation of IEC 62257-9-5 standard, and First Director of Lighting Laboratory of TUV SUD Certification Group in Germany.



X. Contact Points

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