

Emission Trading Scheme and Technology Innovation

Presented by Dr. Yigang WEI



Abstract

Emission trading schemes (ETSS) have grown in popularity, as an increasing number of countries and sub-nations have begun rolling out, speeding up, or strengthening construct of ETSS and carbon financial markets. In 2013, China successively carried out ETS pilot runs in Beijing, Shanghai, Guangdong, Shenzhen, Tianjin, Hubei, and Chongqing. The pilot runs covered nearly 3,000 key emission units in more than 20 industries, such as power, steel, and cement. In July 2021, the nationally unified ETS was officially established, and China's ETS surpassing the European Union(EU) ETS has become the world's largest ETS. One of the core policy objectives of the ETS is to promote low-carbon technological innovation and achieve green and low-carbon transformation. This study aims to explore the effect of the ETS on the technological innovation and competitiveness of these enterprises.

Speaker Bio

Dr Yigang Wei is an Associate Professor in the Department of Applied Economics at the School of Economics and Management, Beihang University. He received his PhD degree from the Faculty of Construction and Environment at the Hong Kong Polytechnic University. He has served as a visiting scholar at the Department of Land Economy at the University of Cambridge. Dr Wei's current research focuses on low-carbon economics, emission trading schemes, and green innovation. He has published articles in journals such as the World Economy, Technovation, Climate Change Economics, Structural Change and Economic Dynamics, Journal of Environmental Management, Energy Economics, Technology Analysis & Strategic Management.



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