

Study on Long-term Energy Strategy in Northeast Asia for CO₂ Mitigation with an Econometric Model

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This paper presents a consistent energy demand-supply projection in Northeast Asia, focusing on China, developed by an integrated econometric model, and analyzes regional CO₂ mitigation strategy, such as IGCC, nuclear and energy conservation, to 2030 in a consistent way. Vigorous economic growth, soaring electricity demand and progressive motorization are going to expand the primary energy demand particularly in China, eventually positioning China as an important player in terms of regional CO₂ emissions increase. It is, against this background, becoming increasingly important for CO₂ emissions issue to be addressed as one where all Northeast Asian countries have a common stake and can elaborately commit themselves.

Keywords:

China, Northeast Asia, CO₂ emissions, integrated econometric model, primary energy demand, power generation, motorization