

Renewable Energy Policy Analysis in Japan: A Simulation with a Computable General Equilibrium Model

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Second generation model for Japan (SGM-Japan) is a computable general equilibrium model for estimating the abatement cost of carbon mitigation policies in Japan. This study provides the abatement costs of renewable portfolio standards (RPS), which is current renewable energy policy in Japan, and other policies such as renewable energy feed-in tariffs (REFIT) through the analysis by the extended SGM that can model renewable energies explicitly. And then the best combination of renewable energy policy and other carbon mitigation policies such as carbon tax is proposed.

Keywords:

renewable energy policy, computable general equilibrium model