

# Interactions between the European Electricity and Gas Market

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The future development of the European electricity and gas market is characterised by the process of liberalisation and the goal of climate change protection. Several measures have been initiated on European or national levels to combat climate change. In this context a large amount of power plants in Europe has to be replaced, which can possibly lead to a higher share of gas fired power plants within the next two decades. With a regionalised TIMES energy systems model the long-term development of the European electricity and gas market is studied. The influence of policy instruments and the interactions between electricity generation structure, electricity and gas prices and the availability of gas reserves are presented.

**Keywords:**

European Electricity Market, Gas Market, Electricity Prices, Climate Change Policies