

TIMES Modeling of Energy, Emission and Climate Scenarios

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TIMES model is used to represent world energy and climate scenarios up to 2100. The transition from the MARKAL database to TIMES includes: keeping most of the structure of the 15-region MARKAL database; new assumptions about the long-term energy service demands, resources availability and specific energy policies/behaviours to be reflected in the base case; the implementation of a climate module and of non-energy and non-CO₂ abatement cost curves. Results are presented for the reference and some climate control cases.

Keywords:

MARKAL/TIMES model, energy/emission scenarios, climate change