

E3 Scenarios with Embodied and Induced Technological Change: Benefits and Costs of CO₂ Strategies for Austria

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For an overall assessment of different paths for energy use and CO₂ emissions the relevant energy/environment/economy (E3) linkages are modeled within an integrated multisectoral framework allowing both for embodied and induced technological change.

A business as usual scenario according to the IPCC guidelines („no additional measures“ scenario) up to 2020 is constructed using this integrated approach. The model is also used to simulate alternative scenarios based on induced technological change. The E3 links allow to draw conclusions about the overall benefits and costs of the different energy/CO₂ paths in the scenarios.

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