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A socio-economic model of the German energy market

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A socio-economic model of the German energy market will be presented. The model is based on data of the study-group of energy balances at the VDEW (Organization of German energy supplier). The end energy consumption will be recorded in 4 sectors (households, low consumer, industries, traffic) and 4 service arrays (room heating, process heat, mechanical energy and light) specified for primary energy sources. It is possible to define over 40 years objectives on higher energy saving in the most service arrays of each end energy consumption sector. The effects on CO2-emission of several strategies of energy saving will be calculated including commercial data and socio-economic aspects (investment, foreign trade, energy prizes, jobs etc.). of power plants is realized in a bookkeeper sense. The model is build by 45 EXCEL files including more than 400 corresponding work sheets. There are several complete data sets of year up to 2003. A overview of the results of the model is given. A more detailed look of the ways of realization of the energy model is given.