

Urban Mobility Sharping the Future Together

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Abstract

Modelling the Great Transformation in the Ruhr Area

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Climate researchers agree that anthropogenic greenhouse gas emissions significantly contribute to climate change, and that radical measures to reduce greenhouse gas emissions and to adapt to the impacts of no longer avoidable climate change are needed. The German Federal Government with its Climate Protection Plan 2050 reinforced its target to reduce Germany's greenhouse gas emissions by 80 to 95 percent compared with 1990. The achievement of these targets requires nothing less than a fundamental transformation of spatial planning. In the paper a methodology to scientifically assess the likely impacts of possible combinations of policies or strategies to achieve the *energy transition*, i.e. to reduce the greenhouse gas emissions of urban mobility and transport is proposed and demonstrated, using the Ruhr Area, the largest conurbation in Germany, as an example.