

# Energy Infrastructure Model for Asia/Eurasia with CO<sub>2</sub> Emissions Abatement Options

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The purpose of this study is to investigate the possible future allocation of energy and CO<sub>2</sub>-related infrastructure in Asia/Eurasia. For this purpose, the authors developed a large-scale energy system model, which minimizes inter-temporally the sum of the discounted total energy system costs up until the year 2050. The preliminary results indicate that carbon taxes of a few hundred dollars per ton of carbon have the possibility to make CO<sub>2</sub> sequestration technologies economically viable, and then lead to the cumulative amount of CO<sub>2</sub> sequestration of about 10 billions tons of carbon in this region by the year 2050.