

Development of emissions scenarios database for the IPCC Fourth Assessment Report and Regional Mitigation Analysis: A Review of post-SRES scenarios

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We have been updating the current emissions scenarios database to contribute for the IPCC Fourth Assessment Report. The objective of this study is to review emission and mitigation scenarios and analyze various mitigation scenarios since the IPCC Third Assessment Report (TAR). By developing the current database, it becomes available to assess characteristics of mitigation scenarios and conduct quantitative analyses on GDP, population, carbon intensity, energy intensity, carbon tax etc in multiregional aggregations. In particular, while global level analyses were in general taken into account in TAR, this study focuses on regional level analyses as well as global level analyses.

Keywords:

Greenhouse gases, Emission scenarios, Mitigation scenarios, Integrated assessment models, Post-SRES