

China's Low Carbon development Scenarios to 2050

China is the biggest developing country in the world, and also the biggest GHG emission country. Realizing low carbon and environmental friendly development, is the main task of China's new government. Especially under the pressure of heavy haze, some counter measures have been taken to reduce the coal consumption.

However, it must be realized that: the increasing energy consumption and GHG emission is a developing problem. In process of Urbanization and Industrialization, there are a lot of rigid driving force from the infrastructure, the living improvement. Until now, no country has escaped from the historical principle.

In order to investigate low carbon development pathway, several uncertainties must be considered: economic upgrade, technology improvement, and clean energy development. By applying the AIM models, complex problem can be simulated, including the scenarios of China's economic transformation, the rational development of consumption and infrastructure, the technologies improvement and so on. To set the exogenous parameters reasonably, the international comparison are also considered.

This poster are partial of our research results. And a lot of follow-up study are needed. Please give us more help and suggestions. Thank you!