



## A Collection of Primary Tools



### Green Transport

#### **Tool: Emission assessment of low-carbon transport modes.**

##### **What this tool does:**

The transportation sector accounts for 27 percent<sup>i</sup> of total greenhouse gas (GHG) emissions and is the sector with the greatest annual growth in terms of GHG emissions. Understanding the nature of these emissions is essential for developing efficient strategies to reduce them. Measuring CO<sub>2</sub> in transport projects and programs is essential to driving further action on transport and climate change, through quantification of the potential contribution of low carbon transport infrastructure and services in comparison to more carbon-intensive investments. Since it can be difficult to quantify positive impacts from complex transport systems in comparison to fixed energy infrastructure, the sustainable transport sector has traditionally received less attention than other sectors from sources of climate finance.<sup>ii</sup>

##### **How does it work?**

This tool is very technical in nature, but it supports important policy decisions in favour of technology choices regarding investments in transport technologies. Its application is a specialist's job, but the underlying principles are important. The transport sector plays an important role in energy conservation and emissions mitigation in China. It is the basis for policy making to find out the main factors affecting the energy consumption and emissions in China's transport sector. Taking automotive engine technology improvement, rapid transit system, and fuel conversion, designed different scenarios and forecasted the carbon emissions in China's road transport during 2000–2020. To reduce greenhouse gas emissions, individuals can use cleaner modes of transportation to get around, from public transit to biking and walking

## References:

<sup>1</sup> Figure refers to the USA. Source: <https://www3.epa.gov/ttnchie1/conference/ei12/green/pesinova.pdf>

<sup>1</sup> Source <http://www.slocat.net/news/1452>

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