



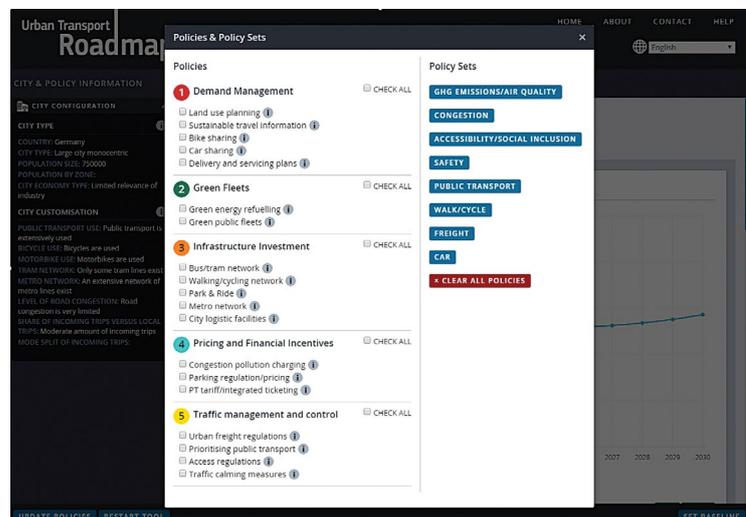
Ricardo
Energy & Environment

Urban transport roadmaps: a web-based tool to help cities develop sustainable mobility strategies

Cities are centres of economic activity, innovation and employment. Today, they face increasing challenges to their mobility systems such as carbon dioxide (CO₂) emissions, air quality, congestion, ambient noise, accidents and urban sprawl. Most of these problems are likely to get worse in the future as cities continue to grow in size and face demographic changes (such as ageing populations).

Many city authorities around the world do not have the necessary capacity or expertise required to develop strategies for addressing these problems. Therefore, the availability of tools and guidance documents is critical in helping cities to develop robust and cost-effective urban transport strategies.

Ricardo Energy & Environment has developed a web-based tool to help city authorities develop urban transport roadmaps that address the most pressing environmental, social and economic issues faced by their transportation systems between now and 2030.



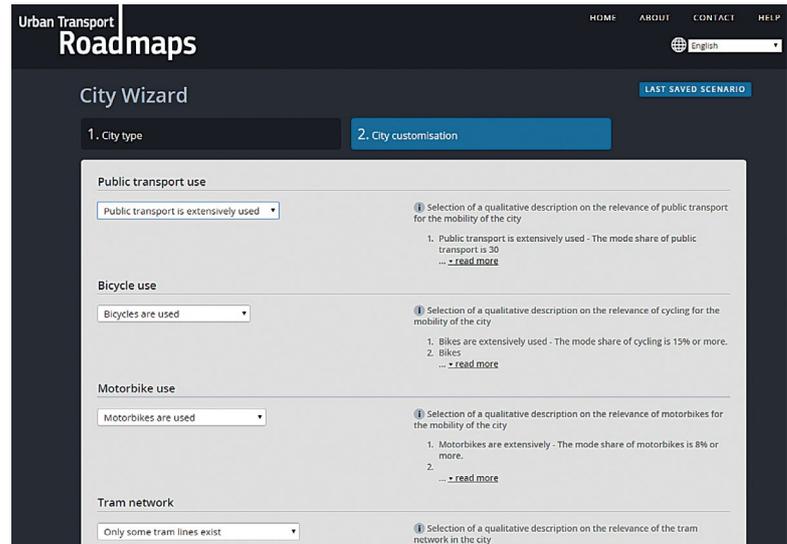
Delivering Excellence Through Innovation & Technology

ee.ricardo.com

Overview of the tool

The urban transport roadmap tool provides cities with the ability to identify, develop, screen and assess different transport policies and measures. In particular, it helps cities to quickly and easily assess the likely costs and impacts of measures that could help them improve the sustainability of their transport systems. Cities can explore combinations of different policy scenarios and assess the impacts of these scenarios on the environment, safety, mobility, the economy and the city's transport system. This type of scenario analysis helps cities to rapidly identify which policy measures are likely to be useful in supporting their own urban transport sustainability goals. For this purpose, the tool provides:

- Quantitative outputs that cover a range of different indicators – including impacts on greenhouse gas (GHG) emissions, air pollution, safety, congestion and costs – between now and 2030.
- High-quality, easy-to-understand graphical outputs that can be used to communicate roadmaps to a wide range of stakeholders.



The tool covers all modes of transport used in urban areas and has been designed for use by different types of city – users can select from a set of default ‘city types’ built into the tool. This allows users to select default data covering a wide range of parameters that are representative of the situation in their own city, reducing the amount of information that users need to supply. If users have access to more detailed data about their city, they can customise the default city data.

A key benefit of the tool is that users do not need any prior experience in transport modelling. The tool is user-friendly, and has a simple and intuitive graphical user interface.

By using the urban transport roadmaps planning tool, cities can now rapidly develop roadmaps and policy measures to improve the overall sustainability of their transport systems.



For more information about urban transport roadmaps: a web-based tool to help cities develop sustainable mobility strategies, please contact one of our experts at enquiry-ee@ricardo.com or +44 (0) 1235 753000