

HOWMOVE – HOme Work MObility eValuation Tool Suite

Innovations and Benefits - HOWMOVE is a tool allowing both the ex-ante identification of strategies suitable to manage the home-work mobility and the ex-post evaluation of the adopted measures on the basis of different performance indexes. The innovation of the product is the multidisciplinary approach, gathering methodologies ranging from for mobility surveys, graphs analysis, energy consumption and pollutant emissions estimation, economic analysis. In particular, the estimation of consumptions and emissions is very accurate thanks to paths reconstruction based on the real road network characteristics. Further, HOWMOVE allows to evaluate the externalities and the differences between several scenarios.

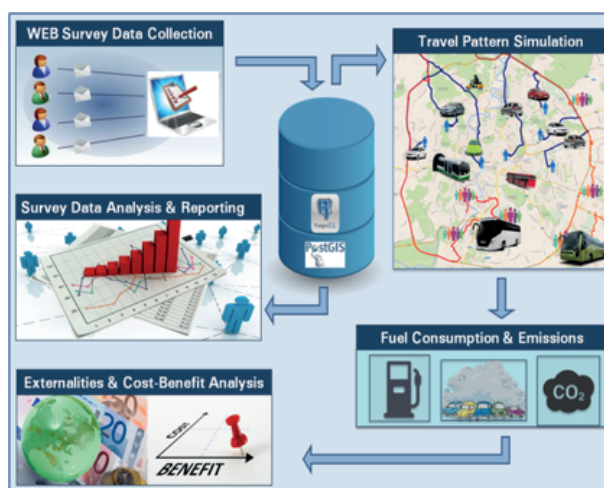
Uses - HOWMOVE is a decision support tool for the Mobility Managers of urban areas for monitoring and evaluating the home-work mobility policies. HOWMOVE can also be used by Corporate Mobility Managers to arrange the home-work trips of employees.

The software modules of HOWMOVE allow to:

- conduct web surveys in order to acquire data on the commuters mobility;
- perform analyses and statistical reports on the survey data;
- identify the home-work paths;
- estimate fuel consumption and pollutant emissions in the reference and project scenarios;
- study the economic benefits by evaluating the investment and operating costs of transport as well as the external costs (traffic congestion, pollutant emissions, travel time, safety) .

Past and Present Activities -

HOWMOVE has been successfully applied to quantify the benefits of the home-to-work bus service of the ENEA Casaccia research centre.



Characteristics: CUSTOM

Thanks to its flexibility, the interoperability support service can be adjusted to different needs and contexts