WHAT is it?
FRETurb is a software application for decision-making by both public and private actors. It is used:
• To know the freight movements generated in an urban area.
• To evaluate the congestion linked to freight transport.
• To simulate transport and development policies, and to perform environmental audits.

Methods
FRETurb is a bottom-up model starting from the National Urban Goods Movements Surveys* on operations and routes. These surveys highlighted many salient characteristics of the national situation, making it possible to use Freturb for any urban area. Indeed, Freturb takes into account the characteristics of each business and service in a given urban area, so it can be adapted to any city, whatever its size, localization and specific nature.

It is a behavioural statistical model based on the nature of the generators of goods and the transport choices. It works as follow:
• Deliveries and Pick-ups generation,
• Distance and parking-time generation,
• OD matrix of vehicles.

WHO is it for?
• Researchers (Geography, Economics, Ecology, Town planning, Modeling…)
• Government services, Local authorities, Consultants and Engineering offices
• Companies (Logisticians, Freight companies, Large distribution…)

MAIN references:

HOW does FRETurb work?

Establishment file
Identifies all the private and public establishments in the city studied

Zone file
Describes the area studied (population, surface area, etc.).

WHERE is it used?

AND then?
The SILOGUES project* aims at transforming Freturb into a dynamic model by simulating scenarios (urban development, transport and environmental policies, purchase behaviour…).

FOR more information
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* see poster on this topic.