

Intelligent Route Guidance for Heavy Goods Vehicles



Sustainable Surface Transport 1.6.2

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HeavyRoute aims at deriving the safest and the most cost effective routes for road freight transports throughout Europe

- **Basic concept of routing**; finding the shortest (or fastest) route
- In **HeavyRoute** not only the shortest route is searched but also the "greenest", safest and with least damage on road and bridges.









Steps to derive recommended routes





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Vehicle/Infrastructure interaction models





Vehicle/Infrastructure interaction models

No new models have been developed in HeavyRoute, but some of the selected models have been adapted

Trans-European models has been prioritized





Fusion of database information



Road data	Road category (static data)
	Alignment (static data)
	Condition (periodic data)
HGV characteristics	e.g. Height, width, load factor, number of axles
Traffic data	Traffic flow
Other data	Population density











* including max allowed speed





* including max allowed speed







* including max allowed speed

























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