Smart Mobility in the City of Leuven Sven Maerivoet – Transport and Mobility Leuven

General information A possible technological implementation Technology showcase Goal for the City of Leuven in this project An intelligent kilometre pricing



Goal for the City of Leuven in this project

- Ease trips by <u>reducing their total impedance</u>:
 - More fluid.
 - Safer.
 - More accessible (for all traffic modes).
 - More liveable (environment and noise).
 - Inform the City of Leuven and support them in creating a pricing scheme <u>as a possible means</u> to improve mobility.

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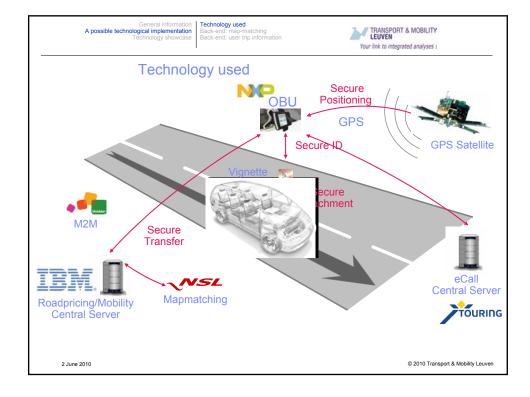
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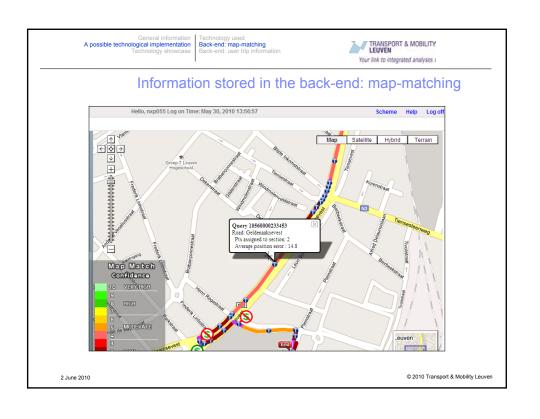


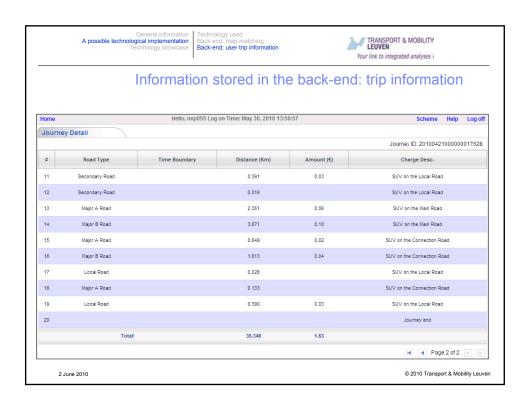
An intelligent kilometre pricing

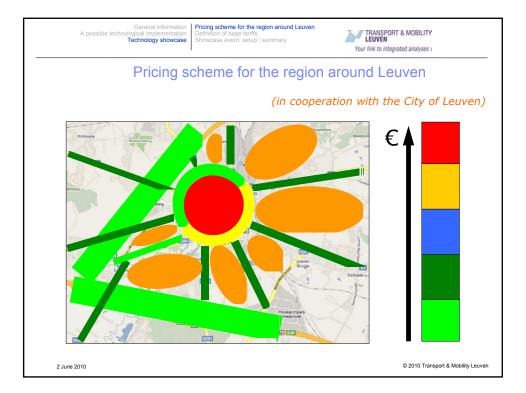
- Goal for Flemish government: make optimal use of the road network's hierarchy.
 - Use the highest level as much as possible, avoid rat runs: keep habitable areas liveable and highways flowing.
 - → Requires a differentiation in space.
- · However, capacity of the road network is limited: congestion.
 - → Requires a differentiation in time.
- · On top, different kinds of vehicles:
 - Difference in emissions, noise, harmful effects, ...
 - → Requires a differentiation to type of vehicle.
- → Everything is possible: cordon toll, zoneing, travel time, distance, ...

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Pricing scheme for the region around Leuven Definition of base tariffs Showcase event; setup / summary



Definition of base tariffs

- · Cost neutral: users will together not pay more.
 - → Or also: the average user pays exactly his <u>road tax</u> during 1 year.



- Variabilising the <u>existing road tax</u>:
 - Is dependent on the type of vehicle.
 - Weighed by the external costs.
 - Incorporates driven distances (~15,000 km/year).
 - Politically defendable.
 - → However only limited 'control' possible! (hence 'base tariffs')
- Differention wrt. space.
- Differention wrt. type of vehicle.
 - Car (1.6 l): 242.75 euro.
 - SUV (2.4 I): 532.36 euro. - Bus: 69.97 (!) euro.
 - Truck (E5): 1817,18 euro.
- For now, no differention wrt. time.

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