



SustainCity

Summary on the three case studies

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Policy scenarios

	Paris	Zürich	Brussels
Test scenario = cordon pricing around the city centre	Cordon pricing	Cordon pricing	Cordon pricing
Urban road pricing	= Cordon pricing	= Cordon pricing 5 € in the city of Zürich between 6h and 24h	Distance toll 0.43 €/km in the congested area (BCR and Ring) between 6h and 10h
Infrastructure investment	Grand Paris project	Enlargement of the existing by-pass (highway)	Increase the capacity of the Ring (orbital motorway)
Land use policy	Densification in target areas (CDT)	Densification	Densification (for population and tertiary sector)

Current stage

	Paris	Zürich	Brussels
Land use/transport integration	OK	OK	Memory problems with Matsim to be solved (in progress) Mode choice model to be integrated (in progress)
Demographic model	Implementation in progress	OK	Probably no time to implement it
Policy simulations	New infrastructure and densifiication scenarios are done	Cordon pricing and densification in progress	Densification in progress

Main difficulties encountered in the simulations

	Paris	Zürich	Brussels
Land use/transport integration			<p>Memory problems with Matsim to be solved</p> <p>Mode choice model still to be integrated</p> <p>Technical problems in the interfaces</p>
Simulations	<p>Important computational resource is needed for capacity constraint simulation (both transport and land use) (eg : some price effect to be improved)</p>	<p>Some difficulties in effect interpretation , mainly in the jobs</p>	<p>Sometimes need to check once more model coefficients when checking the effects of policies</p>

Next challenges for the city teams (after the simulations)

❖ Calculate land use and transport indicators

- Indicators defined by city
- Indicator module

❖ Provide inputs to the social welfare function

- KUL: specify deadlines

❖ Reporting

- D7.2 (calibration and implementation) (to be assembled by Stratec):
 - Matsim for UrbanSim (TUB): done
 - firmographic model(UCP)
 - demographic model (INED)
 - 3 chapters on the calibration/implementation in the 3 cities (city teams)
- D7.3 Policy brief (ETHZ)
- D6.1 Policy brief (Stratec): done (LUTI models for sustainable policy making)