



Zurich, 06 March 2013

Revision: 6

SustainCity Workshop: Scenarios and Indicators 18/19 February 2013

Minutes

Location Faculty of Economics, Katholieke Universiteit Leuven
HOG 01.10, Naamsestraat 69, 3000 Leuven, Belgium

Time Monday 18 February 2013, 13:00-18:00
Tuesday 19 February 2013, 09:30-13:30

Attendees sp Stef Proost, KUL
svl Saskia van der Loo, KUL
sg Sylvie Gayda, STRATEC
ic Ines Cabrita, STRATEC
it Isabelle Thomas, UCL
sc Sanille Cotteels, UCL
jj Jonathan Jones, UCL
tn Thomas Nicolai, TUB
bb Balz R. Bodenmann, ETHZ (minutes)
cz Christof Zöllig, ETHZ
np Nathalie Picard, UCP
kim Kiarash Motamedi, UCP

Attachments a) Slides of kim
b) Slides of cz
c) Slides of sg
d) Briefing of svl

Notes / decisions taken

Decision / Assignment	Responsible	Delivery Date
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Status Case Studies

Paris (see slides of kim): The connection with METROPOLIS is in beta phase. Overall all models are implemented and the case study is in calibration phase. Scenarios already have calculated, calculation of the welfare indicator will be the next step.

Zurich (see slides of cz): The integration of MATSim and the demographic module are implemented but, still, cause failures. Additionally, due to constraints of the demographic module, Zurich scenarios have to stop in year 2022/2024. Next steps: definition of Scenarios, bugfixing (mainly demographic module), calibration, implementation of indicator module.

Brussels: (see slides of sg): Main improvements regarding real estate price model. Due to time restrictions, no demographic model has been implemented. Next steps are the calibration and the setting up of the scenarios.

Policy Evaluation Indicators

Status of the indicator module and welfare function:
The indicator module will be ready in 1-2 weeks and has to be introduced to the Case Study Teams.

The Case Study Teams have to be informed about what the module will provide and what the Case Study Teams have to implement by themselves.

sp / svl
ca / ed
4.3.2013

The tool calculating indicators and welfare function has to be implemented in UrbanSim. It is not possible for the Case Study Teams to adapt an external tool.

ca / ed
4.3.2013

sp will provide the Case Study Teams with assumptions to calculate Policy Evaluation Indicators proposed by KUL (especially for the environmental model).

sp / svl
4.3.2013

The social welfare function of the individual case studies may not include all the proposed indicators.

The function may be adapted with the utilities calculated in UrbanSim (may recalculated after the simulation runs) or with income of households. Additionally, travel time possibly will be replaced by an accessibility variable. sp/svl will check feasibility of this input and contact ca.

sp / svl
ca / ed
4.3.2013

Scenarios

If possible, the teams will evaluate all three scenarios. First of all, the road pricing scenario shall be done by all teams. If there is not enough time for all three scenarios, the teams chose the second one scenario individually.

The idea is that the SustainCity project presents at

least one scenario for all three cities and – additionally – two other scenarios for specific cities.

Road pricing: cordon toll, 5 EUR (Paris); distance toll, 0.43 EUR/km (Brussels). The Cordon will be defined by the Case Study Teams – the cases Paris, Brussels and Zurich are not comparable.

Infrastructure Project: Can be very different between the cities.

Densification: Mai, only Zurich will focus on this scenario.

Integration of MATSim

MATSim is ready for the scenarios “road pricing” and “transport network”. They are handled in the configuration files.

As the MATSim model only considers Home-Work-Home – traffic generally is underestimated and congestion occurs in the model only seldomly. Additionally, this may be the reason why travel times seem to be generally underestimated. This has to be checked and corrected in the Models for Brussels and Zurich.

Teams
Brussels
and
Zurich

tn will send an e-mail with all open questions to kn (and in CC to all participants).

tn asap

Next Steps

Handbook Chapters: The schedule regarding handbook have to be redefined and communicated. bb will contact Lausanne

bb

Final SustainCity Congress/Consortium Meeting: they will take place as discussed 17-19 April 2013 in Zurich. SustainCity presentations at the Congress:

bb

- 45 minutes for the presentation of the three Case Studies (15 minutes each)
- 45 minutes for the Policy Insights (sp)

Case Study
Teams
sp

For details, see attached draft of the agenda.