



Zurich, 21 September 2012

Revision: 4

SustainCity Consortium Meeting

3/4 September 2012

Minutes

Location Ecole Polytechnique Fédérale de Lausanne
EPFL Campus
CH-1015 Lausanne, Switzerland

Time Monday 3 September 2012, 13:30-18:00
Tuesday 4 September 2012, 09:30-16:30

Attendees	adp	André de Palma, ENSC (Scientific Coordinator)
	kwa	KW Axhausen, ETHZ (Administrative Coordinator)
	ca	Constantinos Antoniou, NTUA
	mb	Michel Bierlaire, EPFL
	bb	Balz R. Bodenmann, ETHZ (minutes)
	sc	Sanille Cotteels, UCL
	ed	Dimitris Efthymiou, NTUA
	bf	Bilal Farooq, EPFL
	sg	Sylvie Gayda, STRATEC
	rh	Ricardo Hurtubia, EPFL
	ii	Ignatio Inoa, UCP
	jj	Jonathan Jones, UCL
	em	Elisabeth Morand, INED
	kim	Kiarash Motamedi, UCP
	km	Kirill Müller, ETHZ
	kn	Kai Nagel, TUB
	tn	Thomas Nicolai, TUB
	np	Nathalie Picard, UCP
	sp	Stef Proost, KUL
	ps	Patrick Schirmer, ETHZ
	it	Isabelle Thomas, UCL
	lot	Lorenzo Turci, INED
	svl	Saskia van der Loo, KUL
	cz	Christof Zöllig, ETHZ
per Skype	lw	Liming Wang, UCB
	pw	Paul Waddell, UCB
Excused	drv	Domenico Rossetti di Valdalbero, CEC
	rb	Rodolfo Baggio, BU

Agenda

The issues discussed can be found in the indicated documents, which will be put on the website (www.sustaincity.eu → Intranet).

Monday 3 September 2012		
Time	Content (Speaker)	Documents
13:30	Welcome + introductions (kwa, drv)	
Reports		
13:40	Report of the Scientific Coordinator (adp)	adp1.pdf
14:10	Report of the Administrative Coordinator (kwa/bb)	bb1.pdf
Status Software (WP6)		
14:20	Integration of Metropolis (adp)	adp2.pdf
15:00	Integration of MATSim (tn/kn)	tn1.pdf
16:00	Break	
16:30	Integration of Demographic model (WP4) (em, pw/lw)	em1.pdf, lw1.pdf
17:30	UrbanSim (pw)	pw1.pdf
18:10	Close	
Tuesday 4 September 2012		
Time	Content (Speaker)	Document
Status: Case studies (WP7)		
09:00	Brussels (sg, rh, it)	rh1.pdf, it1.pdf
9:45	Paris (kim)	kim1.pdf
10:30	Break	
11:00	Zürich (ps, cz, km, bb kwa)	ps1.pdf
Issues of other WPs		
11:45	Spatial issues (it)	it2.pdf
12:30	D7.2 Calibration of the UrbanSimE models (sg)	-
12:35	Lunch	
13:45	Dissemination and valorisation (WP9) (rh/mb)	rh2
14:30	Policy insights, insights for sustainability (WP8) / M8.1 UrbanSimE indicator module (ed/ca, sp)	ed1.pdf, sp1.pdf
15:10	Joint modelling of workplace and household location (ii)	ii1.pdf

15:45	Discussion about expected changes (adp)	adp3.pdf
16:15	Summary, Agenda 2011, To do list (kwa)	-
16:30	Close	

Decisions taken

Decision / Assignment	Responsible	Delivery Date
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Milestones and Deliverables

In accordance with the statement of Domenico Rossetti, the SustainCity Consortium expects the project extension to 42 months and adapts the timeline accordingly.

First runs of Paris, Brussels and Zurich have been made. Next steps focus on the integration of the transport models, the demographic model and (among others) calibration issues.

D7.2 / M7.3 “Calibration of the UrbanSimE models in the three case cities” and M6.4 “Guide on UrbanSim usage of the integrated models”: The different milestones will be parts of one paper. sg will organise the paper and writes an introduction and summary. STR

The three Case Study teams will write a Working Paper with detailed description of the Implementation of the Case Studies (models, parameters, transport models). For D7.2 the provide STR with a short version for the wider public. CS-Teams

M6.6 “Report on travel behaviour modelling for IDF case study” and M6.7 “Report on travel behaviour modelling for Zurich case study” will be included in D7.2 ENS/ETHZ
STR

Transport Module

Mode choice models will be part of the transport models (MATSim), location choice of UrbanSim.

kn will test if it is possible to integrate a public transport network.

Transport network: the Case Study Area of Brussels is defined in the slides of UCL (slide 10, it2.pdf, 4.9.2012). The area will not change.

Policy insights, insights for sustainability (WP8)

sp will coordinate the valuation of policies. Case Study Teams will send by December first result to Stef. Steff will calculate the proposed indicator and discuss the results with the teams.	KUL	
ed will contact the case study teams for missing components. The tool will include all available informations for the calculation of the welfare function, missing informations will be omitted (e.g. in some cases income of persons).	NTUA	Oct. 2012
The mentioned linear utility function (page 2 of the slides in ed1.pdf) will be adapted according to the utility function of the location choice models.	KUL/NTUA	Oct. 2012
Scenarios: in Zurich Case Study, the parking scenario will be replaced by a road-pricing scenario.	ETHZ	
The Implementation of the scenarios in the three Case Studies will be coordinated. The sequence is: road pricing, land-use (densification), infrastructure projects.	Case Study Teams (CS-Teams)	Dec. 2012
Next steps:		
KUL provides one “test” scenario and what we can expect as outputs (based on literature) to test models	KUL	Oct. 2012
Test scenario run, results will be sent to KUL	CS-Teams	Dec. 2012
Teams perform simulations of other scenarios and produce outputs checked for consistency by KUL (iteration between Teams and KUL)	CS-Teams KUL	Jan. 2012 (starting)
Meeting with case study teams to discuss first results (in Leuven?)	KUL	Feb 2013

Handbook

The consortium agreed a new agenda:

Abstract	October 2012
Draft	March 2013
Peer review	April-June 2013
Final manuscript	End of June 2013

rh will send reminders for the Deadlines

EPFL

The Consortium agrees to give the authors the opportunity of coloured maps (and exceptionally graphics). They will be grouped on a couple of colour pages in the middle of the book.

The book will be written in Latex, rh will send the template to all partners as well as some guidelines for the publication.

EPFL

Oct. 2012

There shall be a list of symbols and a glossary to give the book a certain unity.

The list of the authors of each chapter has been updated. Responsible Persons for the Chapters are underlined:

1. Introduction

1.1 General description of the state of the art of integrated transport land use modeling (Kai Nagel, Thomas Nicolai and Christoph Zöllig)

1.2 Microsimulation for land use modeling: added value, new challenges (Michel Bierlaire and Ricardo Hurtubia)

1.3 Spatial challenges in modeling cities (Alain Pholo Bala, Dominique Peeters and Isabelle Thomas)

2. Modeling / methodological contributions

2.1 Agent-based microsimulation of population growth (Elisabeth Morand and Rodolfo Baggio)

2.2 Modeling real estate investment decisions in households (Andre de Palma, Matthieu de Lapparent and Nathalie Picard)

2.3 Location choice models considering intra-household decisions (Andre de Palma, Ignacio Inoa and Nathalie Picard)

2.4 Real estate development models with heterogeneous agents (Christof Zöllig and Kay W. Axhausen)

2.5 Modeling the life cycle of firms and it's effect on location choice (Balz R. Bodenmann and Kay W. Axhausen)

2.6 Methodological contributions to econometrics (Nathalie Picard and Constantinos Antoniou)

2.7 Aggregation and delineation problems in spatial econometrics: a Bayesian solution (Alain Pholo

Bala, Dominique Peeters and Isabelle Thomas)

2.8 Incorporating equilibrium aspects in microsimulation models (André de Palma , Stef Proost, Saskia)

2.9 Indicators of sustainable development for microsimulation models (Stef Proost, Saskia Van der Loo, Constantinos Antoniou)

3. Transport and land use model integration

3.1 Integration of new models in a UrbanSimE platform (Paul Waddell)

3.2 Integration of agent-based transport and land use models (Kai Nagel and Thomas Nicolai)

3.3 Integration of dynamic transport models and land use models (Andre de Palma and M. Saifuzzaman)

4. Case studies

4.1 Brussels (Sylvie Gayda, Ricardo Hurtubia, Jonathan Jones and Isabelle Thomas)

4.2 Paris (Kiarash Motamedi, André de Palma and Nathalie Picard)

4.3 Zurich (Patrick Schirmer and Kay W. Axhausen)

5. Summary / Conclusions

5.1 Microsimulation as a policy evaluation tool for land use and transport (Kay W. Axhausen and Sylvie Gayda)

5.2 Future challenges in transport and land use modeling (Michel Bierlaire, Andre de Palma and Paul Waddell)

5.3 Conclusions (Michel Bierlaire, Andre de Palma and Paul Waddell)

Administration

Based on the acceptance of the MTR and according Form C's, EC transferred EUR 500'000 as second interim payment. bb will send the payment details to all partners for approval. The payments will be made in the next weeks.

ETHZ

asap

Next meetings and conferences

An **additional intermediate meeting** to discuss the results of the three Case Studies will be organized:

ETHZ

Beginning February, Leuven (proposition)

tbd

bb will set up a doodle-survey to fix the date (2 days).
The participation of representatives of all case study teams is mandatory.

ETHZ

Final Meetings of the SustainCity Consortium:

Conference 17.4.(Evening) -18.4. 2013

ETHZ

Consortium Meeting 19.4.2013

Location: Zurich

Due to the extension of the project duration until June 2013, the Consortium Meeting and the Conference planned for 4-7 December 2012 have been cancelled.

Zurich, 21 September 2012, bb