

ACROSS Project Closing Conference

27-28 November 2013
CEPS/INSTEAD, Esch-sur-Alzette, Luxembourg

CEPS
I N S T E A D

 Aix-Marseille
université

 UNIVERSITÉ DE STRASBOURG

 CNRS

 **SAGE**
Sociétés,
Acteurs,
Gouvernement
en Europe

 **ULB** UNIVERSITÉ LIBRE
DE BRUXELLES,
UNIVERSITÉ D'EUROPE

 **METICES**
Migrations, Espaces, Travail,
Institutions, Citoyenneté,
Épidémiologie, Santé



WELCOME IN BELVAL!

From Transport to Mobility

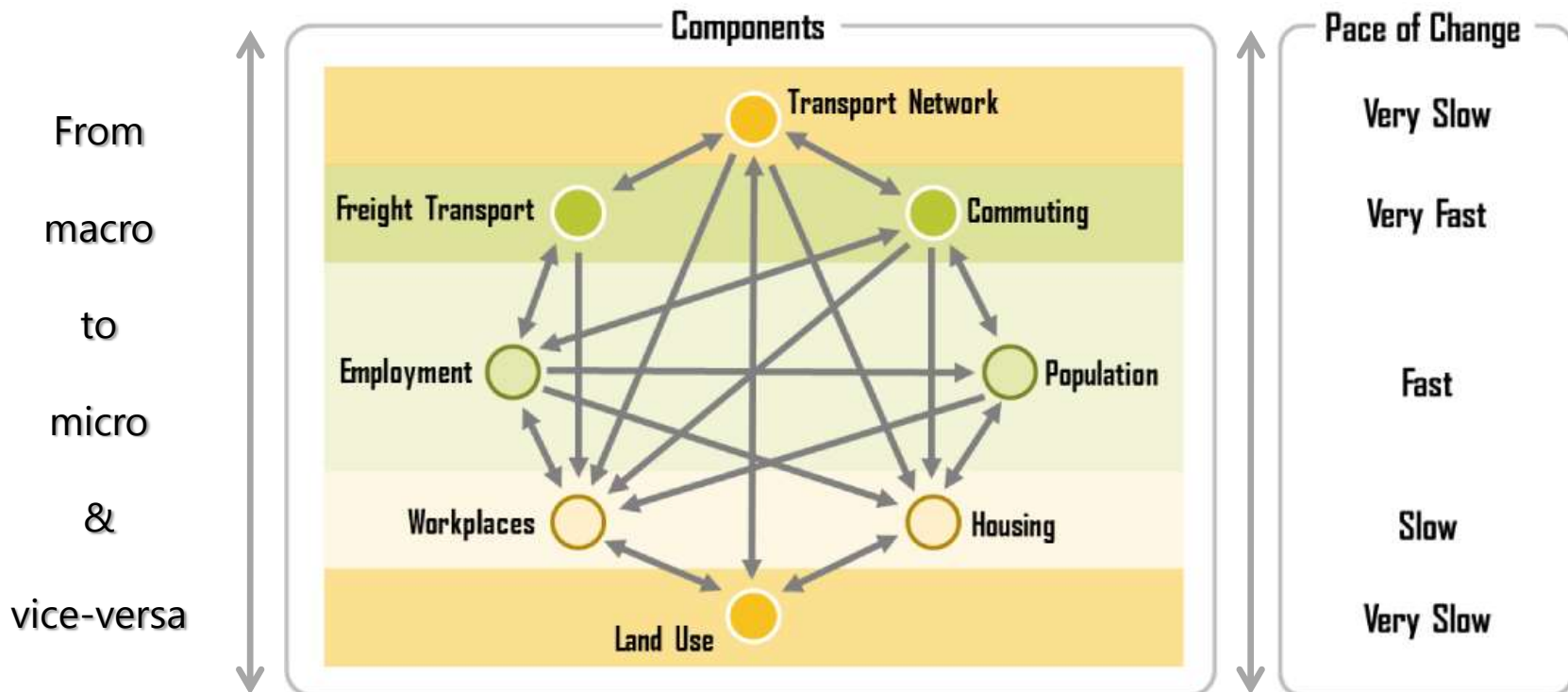
Factor	Old paradigm	New paradigm
Definition of the transport system	Transport, vehicle	Mobility, accessibility linked to its environment
Modal share	Car individualism	All modes
Urban Development	Weak densities, car dependency	Compact city, TOD, mixity, multi-modality
Indicators of performance	Speed, flow vs congestion	Multimodal speed, generalised accessibility
Improvements	New roads, parkings, speed	New PT, Mobility Management, ITS

Sources: Zoubir 2013, from Litman & Burwell 2006

Development and necessity of integrated, systemic and multilevel approaches, as LUTI modelling

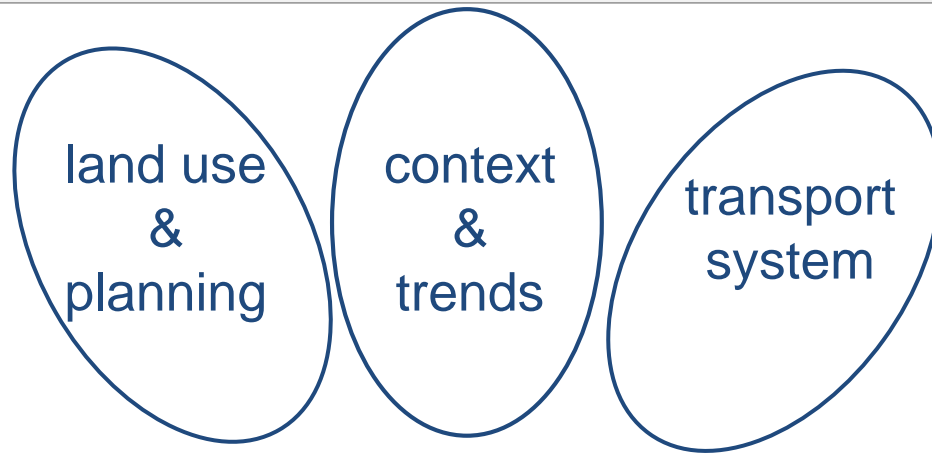
From Transport to Mobility & From Macro to Micro

Time, Levels & LUTI complexity systems



Source: Wegener, 1995, Adaptation: Rodrigue, Hofstra University, New York 1998-2014

From LUTI...



From
macro
to
micro
&
vice-versa

←—————→
Temporalities

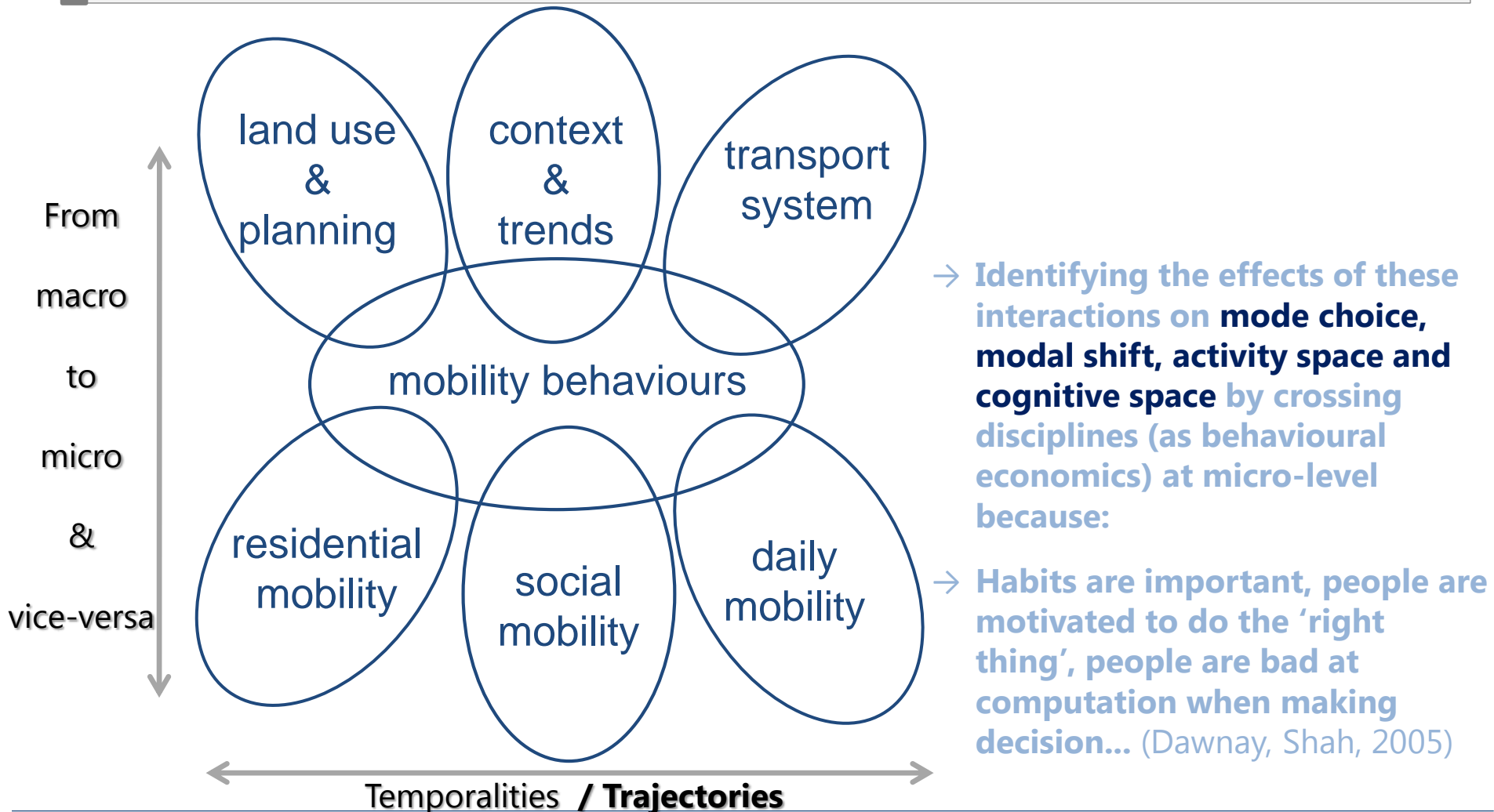
From LUTI...

What are the alternatives that could promote sustainable mobility, especially in the context of cross-border urban regions?

6 complementary links we are dealing with at macro / micro levels, including innovative data collection:

- Between spatial development and transport system (e.g. Time geography),
→ *Accessibility, Car dependency, Spatial mismatch, Degree of urbanization and amenities...*
- Between land use, transport system and prospective (e.g. LUTI, MOEBIUS, SMART-B...):
→ *Urban planning scenarios, synthetic populations, barrier effects...*
- Between urban planning & ICT (e.g. ITS, ZAC-eMOVIN, CURHA):
→ *Multimodal platforms, GPS, e-mobility, Mobility Management, Legislation...*

From LUTI... to LUMI?



Different issues for Mobility & CBI teams at CEPS

What are the alternatives that could promote sustainable mobility, especially in the context of cross-border urban regions?

6 complementary links we are dealing with at macro / micro levels, including innovative data collection:

- Between mobility behaviours & social, spatial, economic and demographic trends (ACROSS, CB-RES):
 - *Attitudes, beliefs, Representations, Personal norms, Past experiences, Social networks, Trajectories, Habits...*
- Between mobility behaviours & supply transport (CONNECTING):
 - *Car speed reduction, Urban toll, Infrastructures of PT, Accessibility...*
- Between mobility behaviours & built environment (ACROSS, CURHA, CROSSBING):
 - *Density, Mixity, Architecture, Activity-based demand, health...*

What we are doing in ACROSS

- ❑ **Assessing the sociocultural effects on Mobility Behaviours in Cross-Border Areas**
- ❑ **Helping to identify efficient incentives to promote the use of public transportation and soft modes.**
- ❑ **Assumption: people's mobility behaviours are guided by their individual position in a three-dimensional space combining the geographic position, the social position and the cognitive position.**

How?

- ❑ **Funding: FNR CORE 2010 (SR/783207), with ± 650,000 €**
- ❑ **Duration: ± 3 years (01.02. 2011 – 30.11.2014)**
- ❑ **Survey and case studies: European Institutions in Luxembourg and Strasbourg, 2 border case studies**
- ❑ **Methodology: econometric/statistical analysis, multivariate analysis, attitude theory and cognitive map analysis**

Who?



CEPS/INSTEAD is the public research centre in social sciences of Luxembourg

www.ceps.lu



Sage Research Unit is a multidisciplinary team in urban studies of the University of Strasbourg and the CNRS

<http://sage.unistra.fr/>



METICES is a social sciences research centre affiliated with the Institute of Sociology of the "Université Libre de Bruxelles"

<http://metices.ulb.ac.be>



ESPACE is a multidisciplinary social sciences research centre from CNRS, involving 3 Universities and dealing with territorial dynamics, <http://www.umrespace.org/>



Outline November 27

- 14h00** **Welcome speech**, Dr. Hilmar Schneider, General Director, CEPS/INSTEAD
- 14h15** **Introduction**, Dr. Philippe Gerber, CEPS/INSTEAD
- 14h30** **ACROSS project: Theoretical framework and mobility survey design**,
Ass-Prof. Samuel Carpentier, University Aix-Marseille & CNRS Espace
- 15h10** **Geographic, socio-cultural and modal usage determinants of activity space: a case study of EU Institutions in Luxembourg and Strasbourg**,
Dr. Tai-Yu Ma, CEPS/INSTEAD
- 15h50** Coffee break
- 16h10** **Social history of scientific research in mobility**,
Prof. Dr. Thierry Ramadier, CNRS SAGE & University of Strasbourg
- 16h50** **Socio-spatial representations and daily mobility of the city**,
Pierre Dias, CEPS/INSTEAD & CNRS SAGE University of Strasbourg
- 17h30** Discussion

Outline November 28

- 09h00** **Lifestyle and transport: Defining, measuring and using the lifestyle concept in travel behaviour research,**
Ass-Prof. Véronique Van Acker (Centre for Urban Studies, Amsterdam University)
- 09h50** **Impacts of daily mobility on daily spaces' social mix,**
Ass-Prof. Sandrine Wenglenski (CNRS LVMT and Paris Est Marne-La-Vallée University)
- 10h40** Coffee break
- 11h00** **Social representations: methodology and data analysis,**
Ass-Prof. Grégory Lo Monaco (EA LPS & Aix-Marseille University)
- 11h50** **Conclusion of the conference**
Prof. Dr. Frank Witlox (SEG, Ghent University)

Thank you for your attention!

Expected output	Description of Output in the project	Achieved output
PhD thesis	1 PhD track	Thesis defence (at the end of the fourth year, i.e. 06.2015)
Publications	4 Scopus/ISI journal articles	<p>2 published (1 Scopus)</p> <p>3 accepted (2 Scopus)</p> <p>1 in revision (Scopus)</p> <p>1 international conference paper</p> <p>3 reports of mobility survey results</p>
Other Tangible Outputs		
Survey database	WP2	<ol style="list-style-type: none"> 1. Mobility survey data (geo-coded residential locations and activity destinations for three EU Institutions in Luxembourg (EIB and CURIA) and Strasbourg (the Council of Europe). 515 persons in total. 2. Face-to-face residential and daily mobility survey data for the residents in Strasbourg (92 persons)
4 conference talks	WP3 WP4 WP5 WP6	Achieved (5 international conference talks and 4 national/project workshop talks)
Organization of an international conference	WP6	<ol style="list-style-type: none"> 1. First international workshop of ACROSS project, 14-15 Nov. 2013, Esh-sur-Alzette, Luxembourg 2. Re-thinking mobility in its psycho-social and spatial dimensions: closing conference of ACROSS project, 27-28 Nov. 2014, Esch-sur-Alzette