

Changing Travel Behavior against the Background of Demographic Changes

M.Sc. Tim Hilgert

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PROFILREGION
MOBILITÄTSSYSTEME
KARLSRUHE

INSTITUTE FOR TRANSPORT STUDIES, KARLSRUHE INSTITUTE OF TECHNOLOGY (KIT)



Introduction

Travel behavior yesterday



Source: Rudolpho Duba / pixelio.de

Introduction

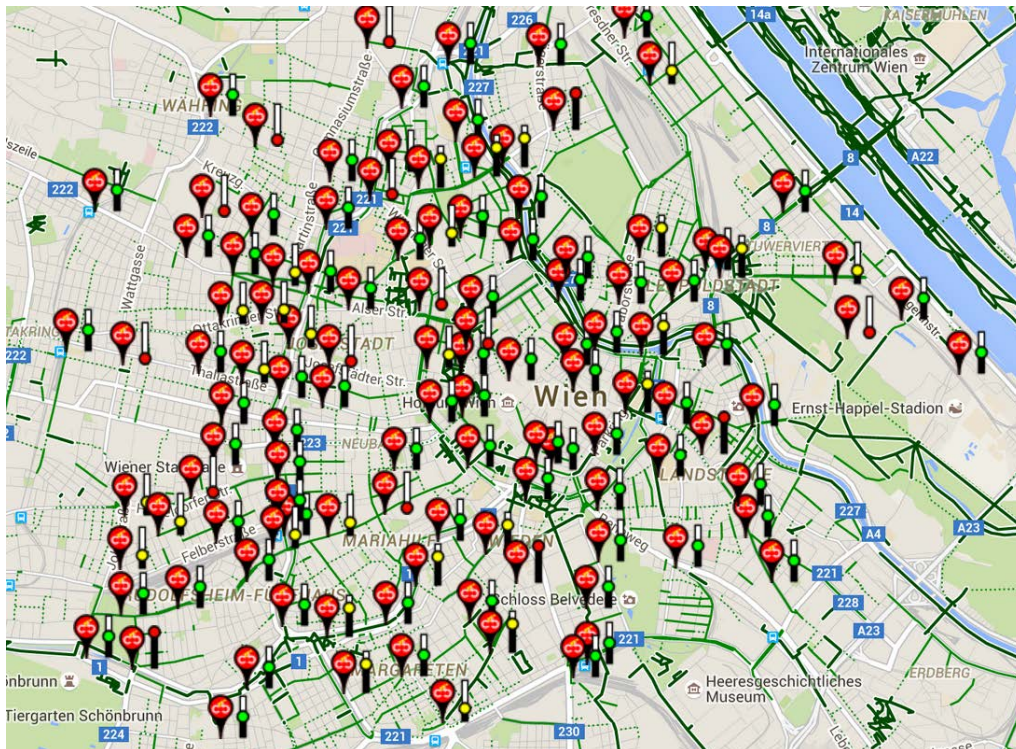
Travel behavior today



Source: pixelio.de, citybike.at; INOVAPLAN, moovel

Introduction

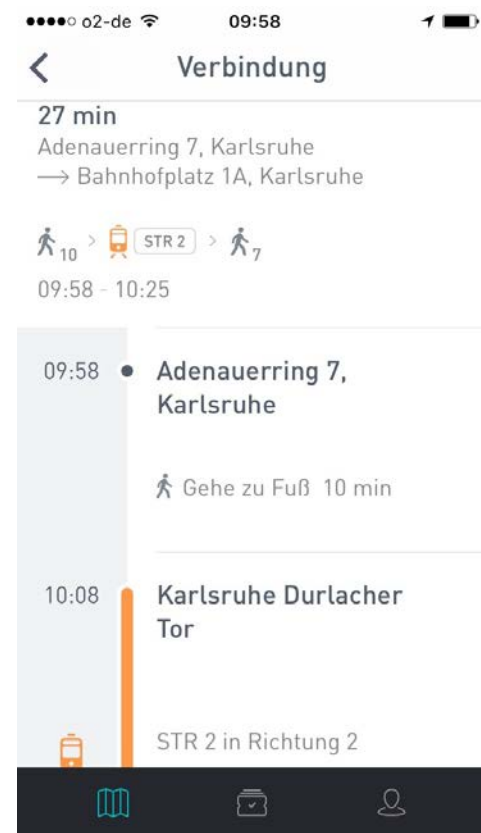
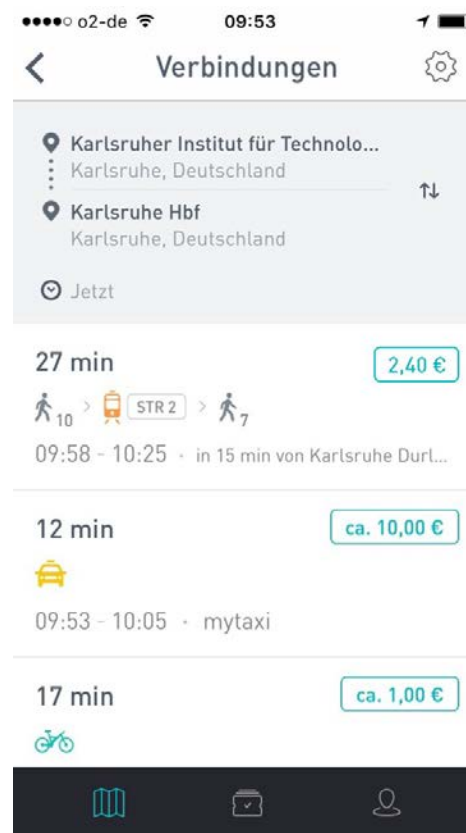
Travel behavior today



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Introduction

Travel behavior today



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Introduction

Carsharing ... Bikesharing ... Mobility Apps ...

This is what we are talking a lot about ...

... but how is travel behavior developing beyond new services and will they be used by everyone in future?

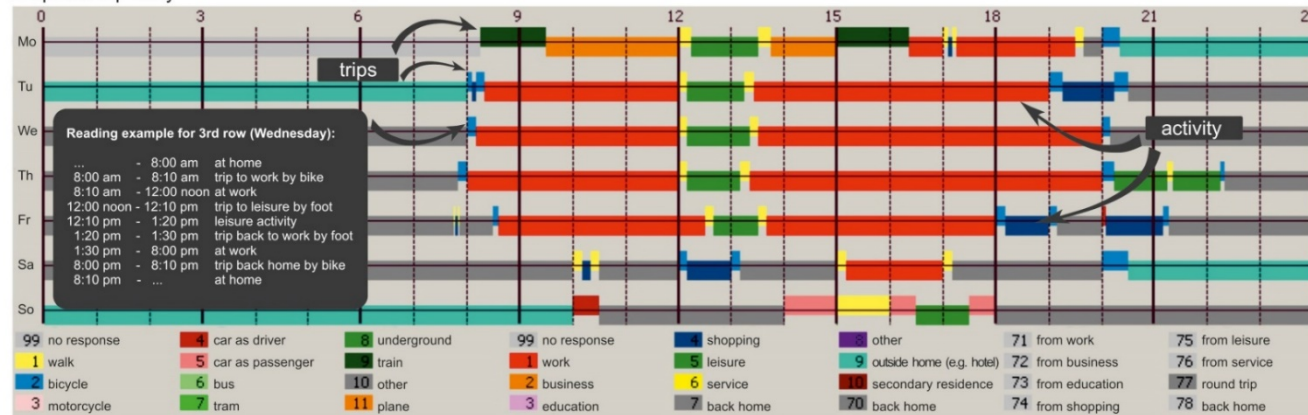
German Mobility Panel

- Annual survey (since 1994) on travel demand in German households
- Trip diary for a whole week
- People participate for three years in a row
- Analysis of mobility key values and the variety of personal travel behavior
- Identification of trends in mode choice



Trips

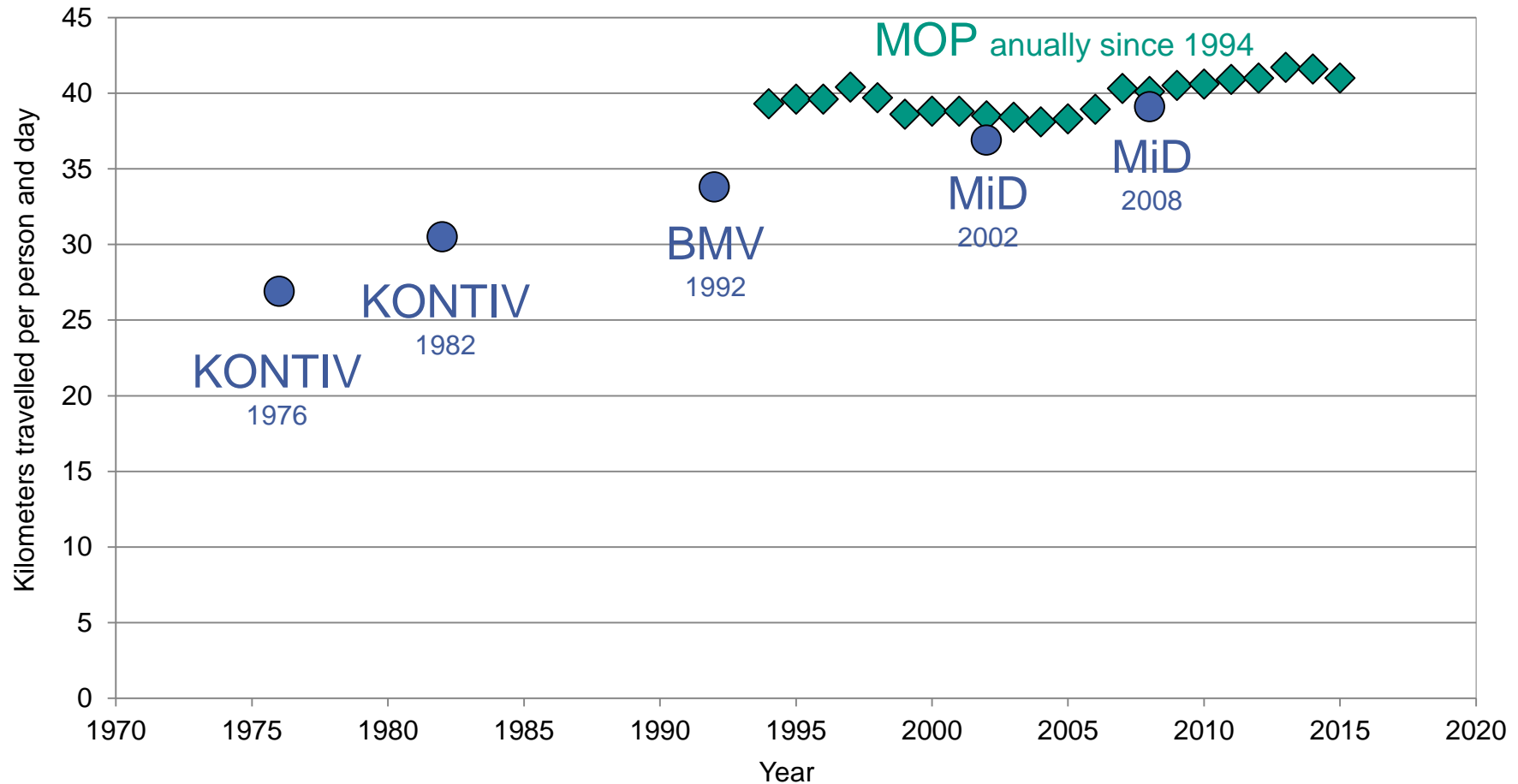
Graphical trip-diary



Source: German Mobility Panel

Travel Behavior

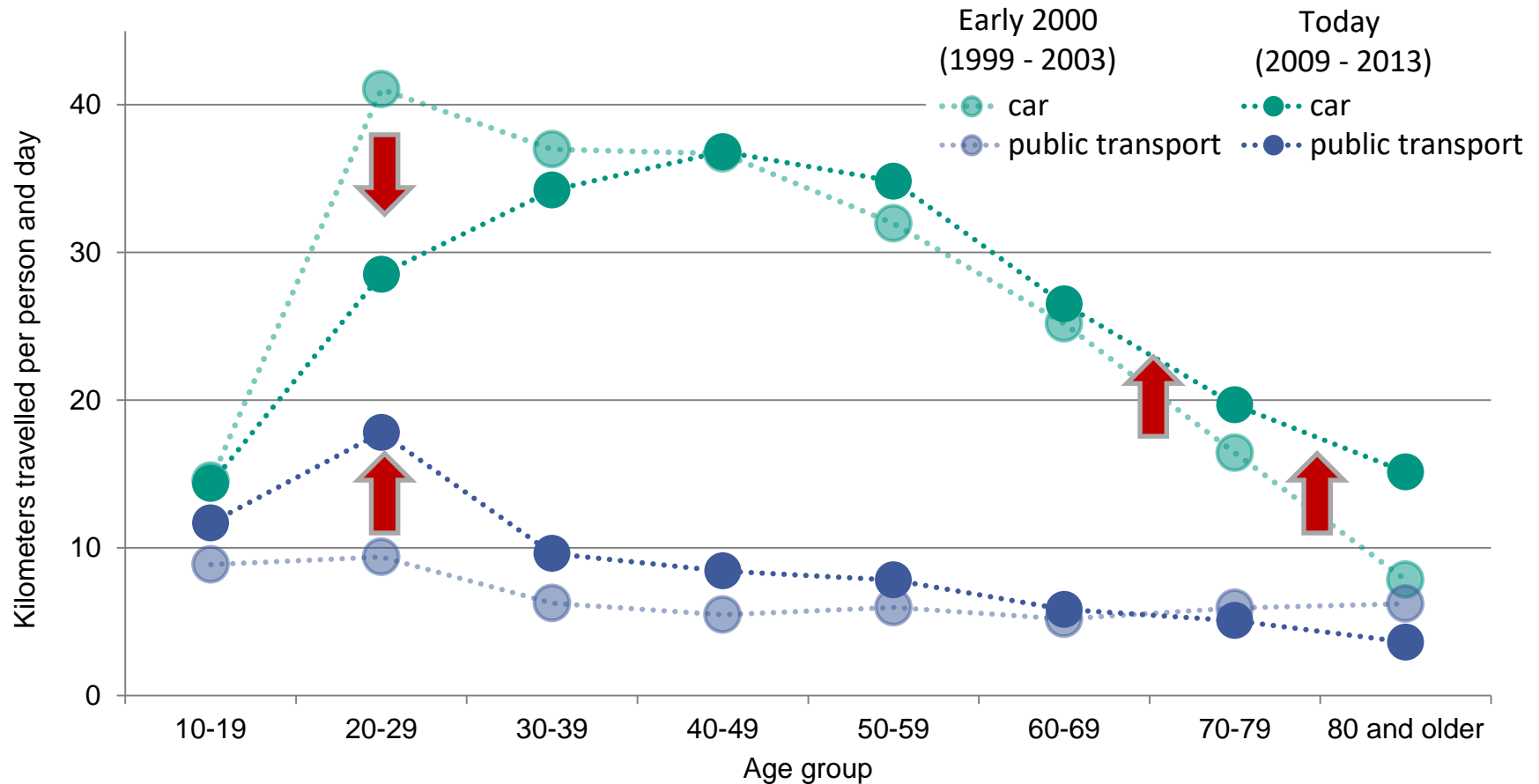
time series of distance travelled in Germany



Analysis of MOP and MiD

Travel Behavior

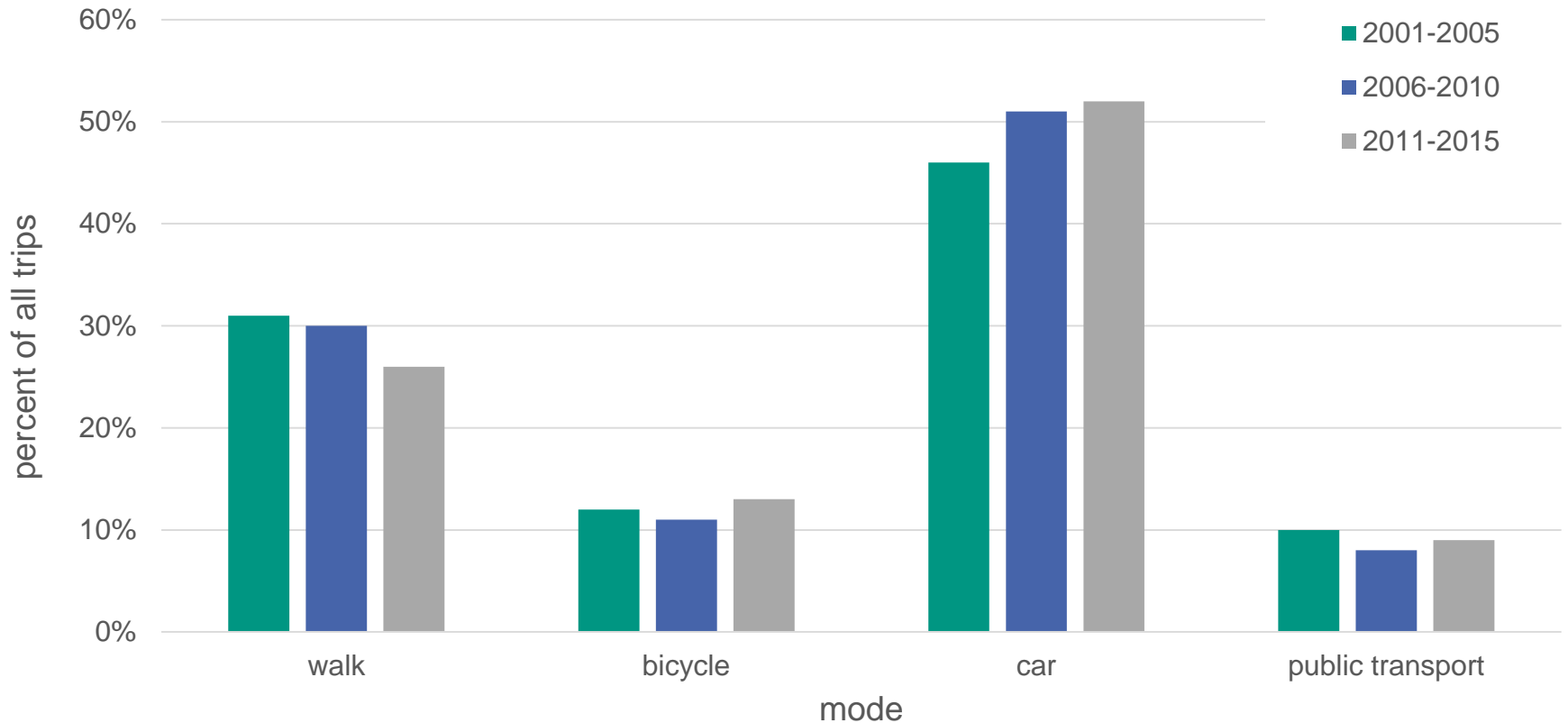
time series of mode usage in age groups



Source: German Mobility Panel

Travel Behavior

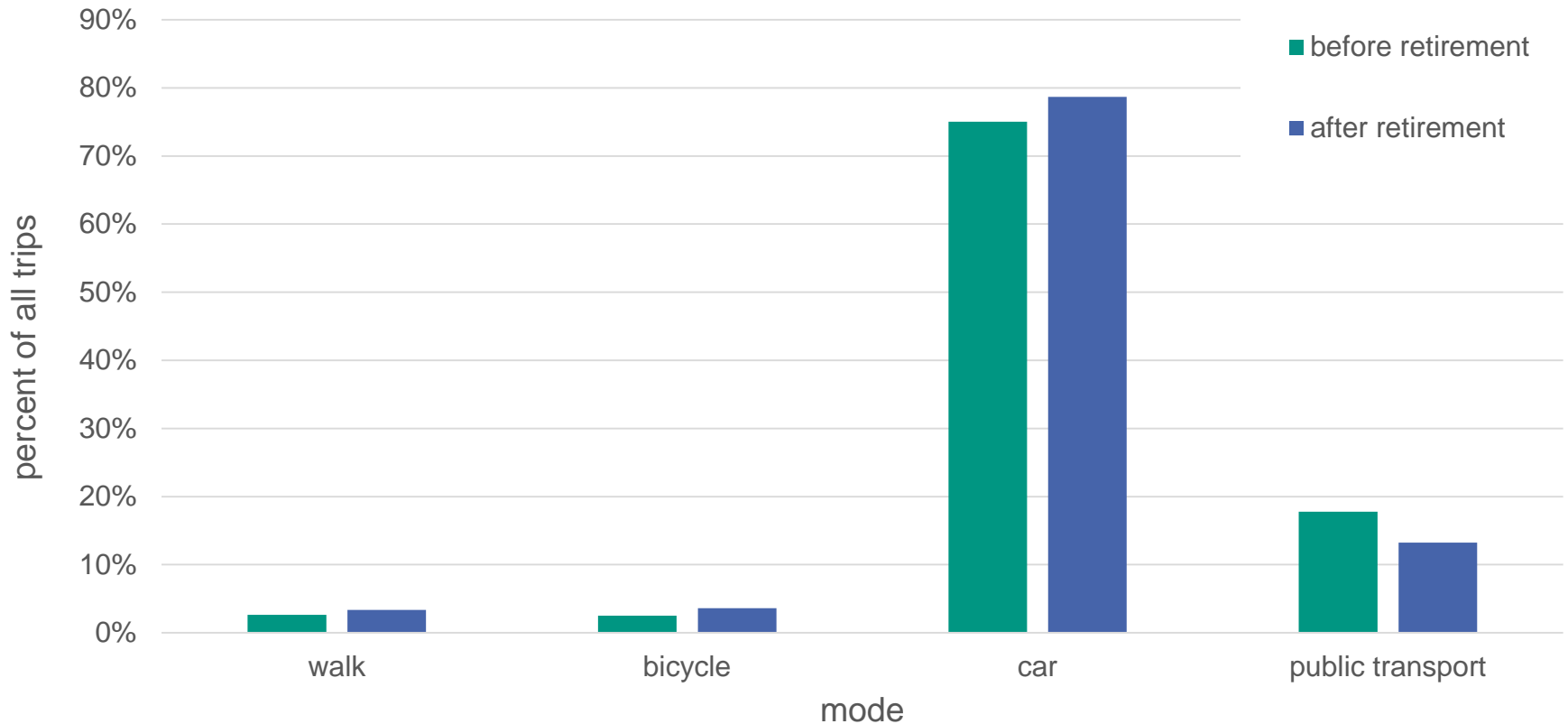
mode usage of older people (60 and older)



Source: German Mobility Panel

Travel Behavior

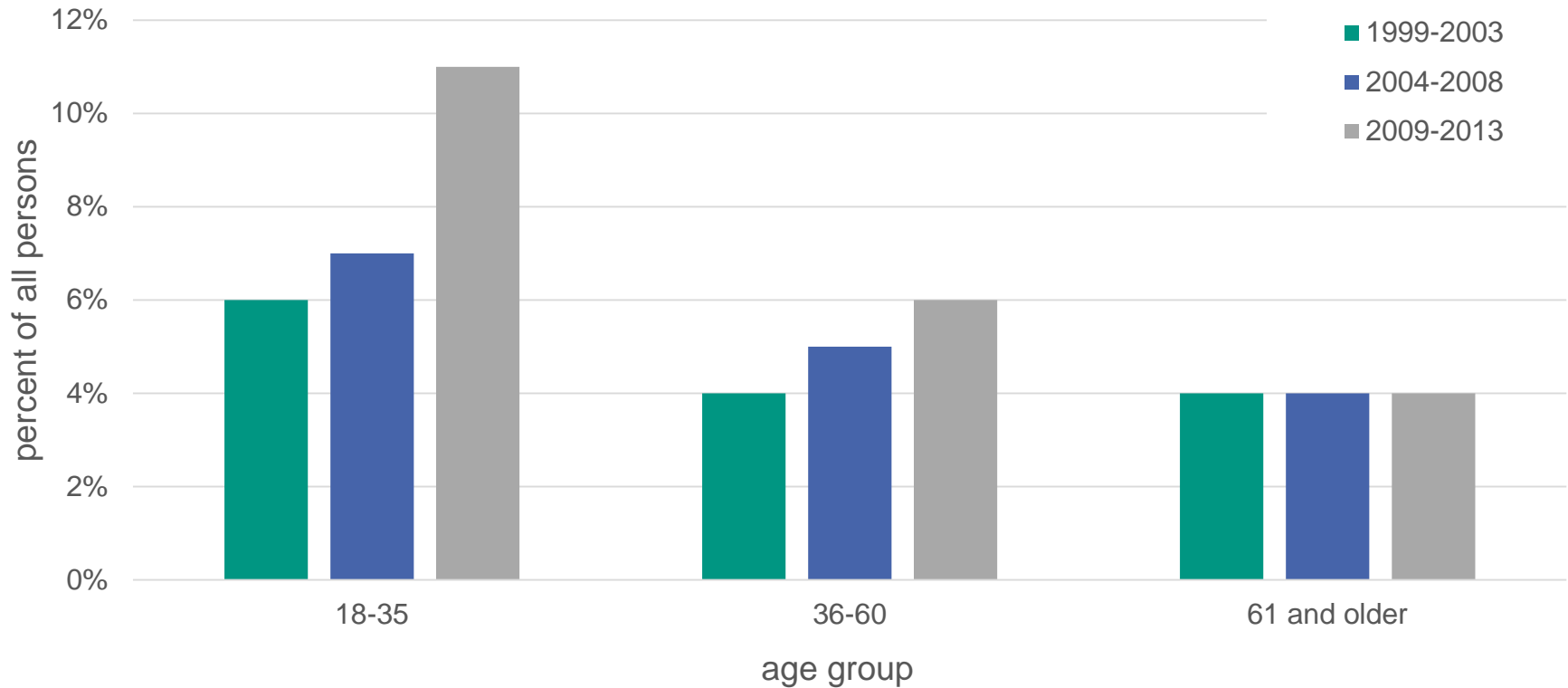
mode usage before and after retirement



Source: German Mobility Panel

Travel Behavior

multi modality*



* Usage of motorized individual traffic, public transport and bicycle at least once a week

Source: German Mobility Panel

Summary // Input for Discussion

- Distance travelled remains more or less constant
- Older people use their car more frequently
- Demographic change (seniors of tomorrow):
 - ~90% driver licenseship
 - Ritualized behavior
 - Own smartphones, but using apps?
 - Ongoing usage of cars in future?
- Multimodality
 - Affect younger people more than older people
 - Flexible mode usage as indicator for new mobility services?

How will the future look like?



Source: Qixxit

+ electric

+ autonomous

+ X

Thank you for your attention!



M.Sc. Tim Hilgert

Institute for Transport Studies

Karlsruhe Institute of Technology

Email: tim.hilgert@kit.edu

Web: www.ifv.kit.edu